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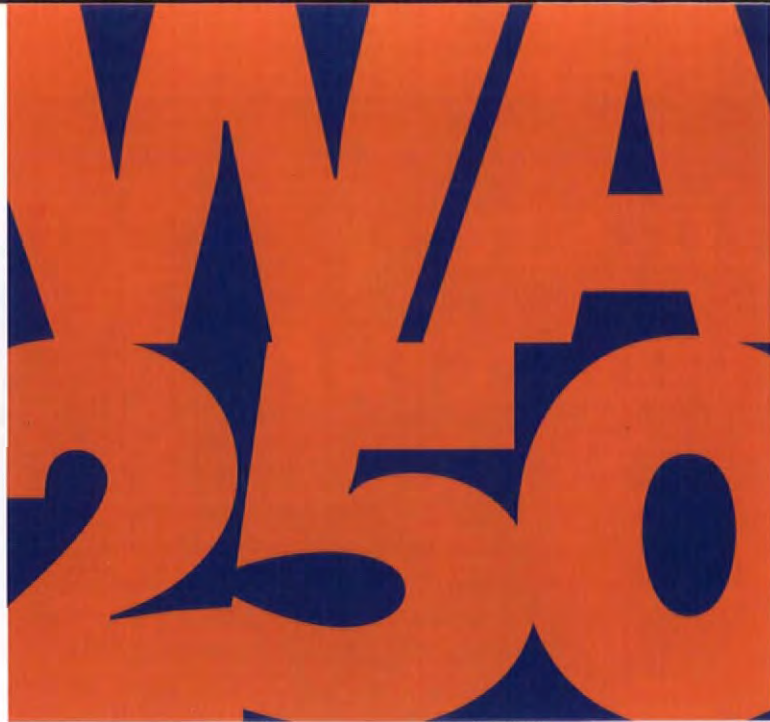


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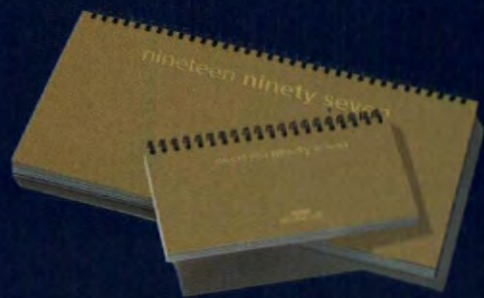
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1997

This year's survey WA250, has expanded to become an essential guide. For dynamic architectural firms who want to see where the future lies, the charts and graphs in the following pages show where the work is, what type of work there is and who, if anybody, is already there. However big, no architectural practice can afford to ignore the competition. WA250 reveals how companies are repositioning themselves according to the global markets, and how they are restructuring to meet demands. WA250 confirms that there is huge potential for architects working on an international scale but the competition for lucrative projects is tough and knowledge, as always, is power.

The future of architecture



Every major event. Every major competition, every major award. Between these handsome covers, you'll find just about everything you need to know for the forthcoming year in architecture. All the most important architectural associations are listed. And all the renowned architectural schools. There's an array of useful information and reference material, including time zones and international dialling codes, year planner and forward planner, world map and full year calendar. And each diary has been carefully designed to be a pleasure to use, giving a full week-to-view on each page in a convenient landscape format. There are two diaries for you to choose from, both lavishly produced using the finest materials. Whichever you choose, it will prove an invaluable addition to your pocket or desk. The pocket diary measures 80mm x 160mm and costs just £8.00 (US\$12). The desk diary measures 150mm x 300mm and costs just £25.00 (US\$40). For the diary of your choice, contact World Architecture Diaries on telephone: +44 (0)171-470 7000, fax: +44 (0)171 470 7007, or write to World Architecture Diaries, 3-6 Kenrick Place, London W1H 3FF, UK.

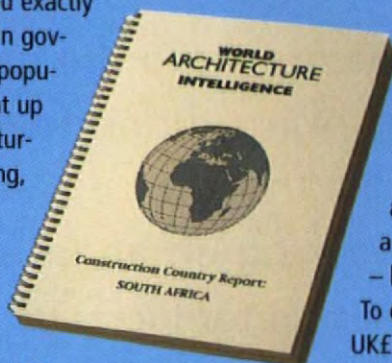
in 52 weekly installments

South Africa from the ground up

Every question you've ever asked yourself about doing business in South Africa is answered in the new World Architecture South Africa Construction Country Report.

In over 180 pages of expert, in-depth analysis, we tell you exactly what's happening today in government, commerce and population, and bring you right up to date on every architectural sector, including housing, offices, industrial and commercial, retail and sports stadia.

We outline all current project activity. We tell you when the major exhibitions and conferences take place. We give details of the top 100 architectural practices in South Africa, and of all overseas practices currently active in the Republic.

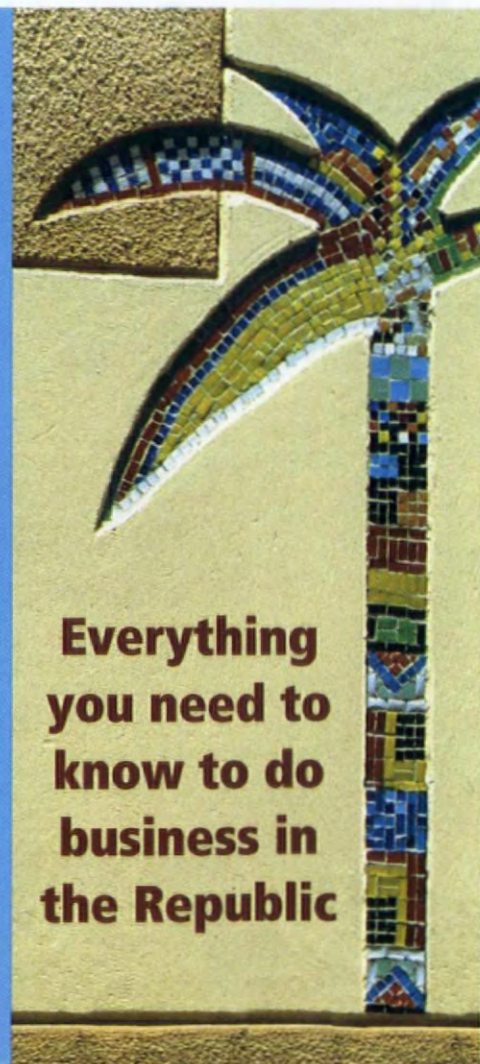


There's a complete section on building products and services, and another on building costs.

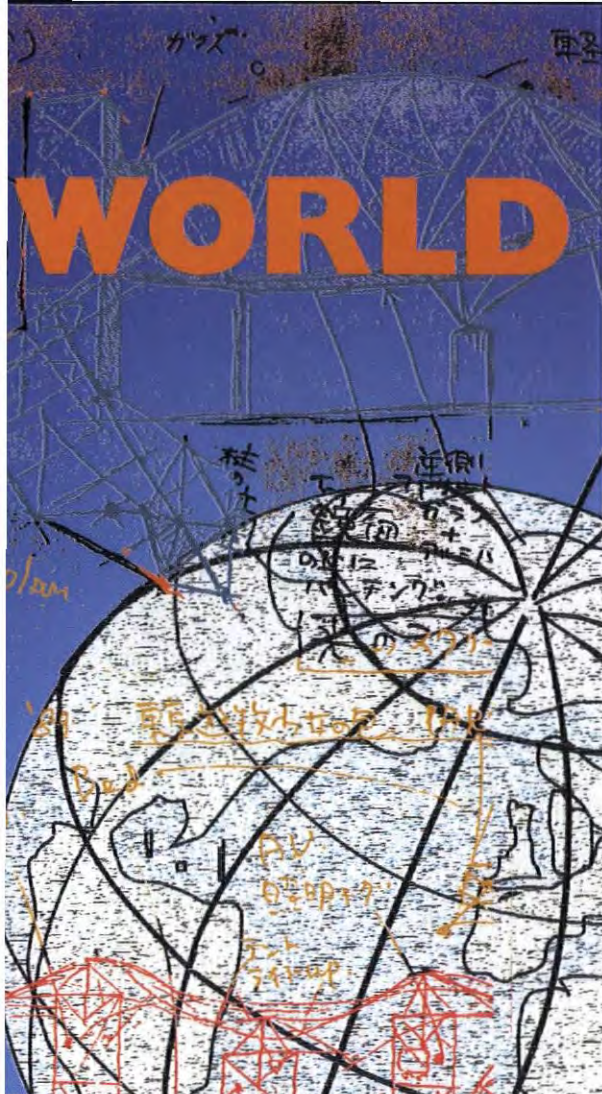
And the guide is completed with a comprehensive directory giving you full details of all major practices, associations and Government departments.

The World Architecture South Africa Construction Country Report is an invaluable study of unique value to anyone considering – or doing – business in the Republic.

To order your copy, price UK£195 or US\$295, or to receive more information, simply contact World Architecture Intelligence by fax: +44 (0)171 470 7007, telephone: +44 (0)171 470 7000 or in writing to WAI, 3-6 Kenrick Place, London W1H 3FF, UK.



Everything you need to know to do business in the Republic



ARCHITECTURE

The 1997 Survey of the World's 250 Largest Architectural Practices / Design Firms

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The entries in this 1997 *World Survey* are based on information supplied by the firms listed. The publishers are not responsible for the authenticity of the statements made in connection with the firms and cannot accept liability for errors or omissions.

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World Architecture has tried to elicit details from as many architectural/design firms as possible. Omissions among the major organisations are few, and our grateful thanks go to all the firms who have supported *World Architecture* in publishing this survey. If your organisation has not been included in this edition, and you are eligible, you can participate in the 1998 *World Survey* by writing directly to Robert Taynton at *World Architecture Survey*, 3-6 Kenrick Place, London W1H 3FF, UK.

Global Practice in '97

Last year, architects everywhere could afford to be cautiously optimistic in their continuing good fortune, this year, however, they will just have to be cautious. **WA** finds out what top level management in practices around the world predict for 1997.

US on an even keel

The US market has remained more resilient than most. Staffing has actually increased over the year, while fee levels and architect



Binh Vinh, Kling Lindquist

numbers are only slightly down.

"We experienced a tremendous growth last year," says Binh Vinh, Architect and Design Principal of Philadelphia-based Kling Lindquist, a specialist in pharmaceutical laboratories. In 1996 they more than doubled the number of architects they employ, from 60 to 132. "We were busy because we landed a few good-size projects: a new Federal Drugs Administration research centre outside Washington, DC and a US facility for European drugs giant HMR."

Despite Kling Lindquist's good fortune, however, Vinh confirms that the situation in the US has begun to change for the better.

Hi-tech strong in US

In the US, Binh Vinh confirms that "Hi-tech areas are still strong [and] research facilities

are still in demand. The office market will probably get out of the doldrums next year."

Although economic factors can account for much of the shape of the architectural industry this year, changes in technology are having an increasing influence. Arthur Gensler of Gensler makes the intriguing point that the increasing capital-intensiveness of manufacturing will mean that more of it will be located in the USA.

Timid Tigers

In the Tiger economies, growth was unspectacular this year. Singapore in particular seems to have attained the status of the "Switzerland of the East". Meanwhile, after remaining broadly stable in 1995, Hong Kong registered steady growth in both architect and staff numbers despite fee levels that fell by almost the same percentage.

Hong Kong "non-event"

It is tempting to look at Hong Kong for the effects of next year's reunification with China, but Terence Smith of locally-based firm Leigh & Orange dismisses it as a non-event.

"The perception of Hong Kong by the world media is very different from the actual situation," he says. "There aren't going to be any serious consequences whatsoever. All of the business houses are quite confident [about it]." According to Smith, reunification has already happened. "The whole of the manufacturing industry has gone across the border into China [which] is now inescapably part

of the family of world trading nations". In Hong Kong the residential market is showing signs of resurgence.

Shanghai, according to Smith, is now overbuilt and throughout China there has been a significant slowdown in the construction industry.

Australia on the up

Australia was the only country to register improvements in fees, architects and staffing for 1996. For the Buchan Group, the country's largest architectural firm, the experience this year has been slightly different.

"Fee levels are either flat or slightly down," says Buchan's Managing Director Paul Malone. But Malone remains upbeat. The situation is more buoyant than the period from 1989 to 1993, when there was an effective decrease in turnover of 12 percent. Buchan believes that there are real dividends in retaining their most

highly-skilled people and using the most advanced design tools available. Malone claims that the Buchan Group has the highest level of CAD use in Australia.

Australian retail boom

The retail and leisure fields were widely felt to be improving, although in Australia, according to Malone, the boom in retail is approaching saturation point. Once the current "mini-recession" is over, local industry briefings predict significant increases in office building. "Offices have been stagnant since about 1988/9, says Paul Malone, "Vacancy levels are falling to a point that the market expects as normal."

Freak results from Mexico

In Mexico fees are down by nearly 20 percent but architectural employment is up by over 30 percent.

Collapse in Fees in Germany

In Germany the collapse in fee levels observed in 1996 has continued, albeit at a slower pace.

"No-one has money to develop, says Christine Kohlert, an architect at Munich-based HENN Architekten Ingenieure. "Investors are stopping because they won't get the return."

Even so, implies Kohlert, Germany's highly developed industrial culture will force companies to return to industrial development. "In the next year industrial buildings will go on because companies see they have to keep giving their employees better working conditions."



Paul Malone, Buchan Group

Swedish market – depressed

"Construction investments have decreased by some 40 percent since 1991," says Leif Åberg, of FFNS Gruppen AB. Per Axenborg of White Arkitekter AB confirms: "We have a lot of problems for architectural firms right now". Much of this is due to local political factors, says Axenborg: "For example, when it comes to residential work, progress has been almost zero for a long time due to authorities changing the rules in taxes and so on."

"From an entirely international



Leif Åberg, FFNS Gruppen AB

perspective," says Åberg, "Sweden is a small market with just over 8 million inhabitants. This can be a disadvantage. [But] the advantages include extremely knowledgeable clients who know what they want and place great demands on us. This leads to our competencies developing through each project." There is a marked trend towards adaptable buildings.

Throughout the year the Swedish market remained depressed, with the market registering its fifth

successive year of decreasing demand.

The situation in Scandinavia as a whole, however, is mixed. "The market in Finland has shown the same signs as the Swedish," says Åberg. But he points to significant improvements currently under way in Denmark and Norway.

Scandinavian and UK architects are paid the least

In Denmark, reported fee levels are down by more than 30 percent, although staffing levels have held up remarkably well. Many UK architects may be surprised to see that the UK experienced the second greatest drop in fees after Denmark. In Sweden, by contrast, where the fee drop is comparable with that in Britain, architectural employment is down by about 12 percent with a corresponding effect on professional morale.

The UK's "millennium effect"

Advertised vacancies seem to be holding up well in the UK where the market is influenced by the "millennium effect".

Millennium projects have provided UK firms with a lifeline after several years of thin pickings. The snag is that much of this work is speculative, carried out for minimal or non-existent fees. Unless fee levels recover, we can expect a retrenchment in architectural employment in the next year.

Top spot in the UK

RMJM specialises in educational and laboratory work, but its commercial side is showing strong growth.



Robin Neall, RMJM

"We've got a lot more aggressive in our marketing," says Robin Neall, RMJM's Director of Corporate Development. A particularly high proportion of RMJM's work is in the Pacific Rim where, says Neall, "We don't get the same competition".

Even for a firm that is as export-oriented as RMJM, however, the UK accounts for 65 percent of their workload.

What of the coming year?

Computers effect staff level

The ubiquity and flexibility of computer workstations has allowed firms to run with a much smaller level of support staff – hence we can expect the average number of overall staff (as opposed to architects) to show a gradual decline year-on-year, and a more widespread adoption of Buchan's policy of maintaining a "rich mix" of highly-skilled staff.

International downturn in fees

On average, fee levels are down by roughly ten percent across the globe, and there are signs that the South East Asian boom is not what it was.

Employment "consolidated"

Employment levels, however, are down by only two to three percent, suggesting that the atmosphere is one of consolidation, and that the profit levels enjoyed last year were large enough to cushion any reduction in fees this year.

"Smarter head and leaner body"

"We believe consultancies will be restructured," says Leif Åberg. Vice-President of FFNS Gruppen AB. "We have identified this process as 'a smarter head and a leaner body'. The 'body', ie all those who work within the latter stages of the design process, will decrease in number. The 'smarter



Per Axenborg, White Arkitekter AB

head' is a combination of architects and other expertise which enable us to shoulder market demands."

WA

How to get ahead and stay there

Arthur Gensler reveals the secret of Gensler's success.

For the second year running, Gensler have emerged as the leader of *World Architecture's World Survey*. Founded by Arthur Gensler, FAIA, in 1965, the firm now has a staff of over 900 in 14 offices across the USA, as well as in London, Tokyo and Hong Kong, with a turnover of US\$ 100-120 million. They are, without a doubt, architecture's greatest corporate giant. Arthur Gensler speaks to *WA* about the importance of not just meeting but exceeding the client's expectations.



WA: What is the reason for your continuing success?

Arthur Gensler: Since Gensler was founded in 1965, the cornerstones of our success haven't changed: superior talent, solid finances and a passion for what we do. We are still finding opportunities that others cannot see.

Could you pick out two or three key projects that have contributed disproportionately to your workload?

Last year we worked with 700 clients on over 2,000 projects. No one client provides more than three percent of our revenue. We believe that is a unique feature of Gensler.

What structural changes are taking place in the architect-client relationship and in the construction market as a whole?

Architects are becoming much more involved in the project process and with pre-design and post-design services. They are repositioning their leadership role.

At Gensler, our work is based on the notion of the studio as the professional building block and basic unit of client service. We have fewer levels of authority and a more even distribution of responsibility which allows the next generation of leaders to develop.

With the increasing emphasis on technology and computer aided design etcetera – do you see any implications for the construction market or the way that architects work in the world-wide growth of the Internet? What is Gensler's involvement in this field?

Full use of the Internet may be a bit in the future, but Dodge Reports are already available as well as other critical pieces of information.

“Last year we worked with 700 clients on over 2,000 projects.”

Architects can use the Internet for the bidding process, transmission of documents, client communications. Eventually the Request for Proposals (RFP) process will take place on the Internet.

So is there a place for the traditional skills of design in the late twentieth-century? The emphasis seems to be on the architect as computer operator or the architect as businessman?

Design is the premise on which Gensler is

built. We are not in the commodity business. Architecture properly undertaken has, for its end, the making of great places. We want to be a firm that is recognised for design excellence as defined, not by the profession, but by our customers. We are adamant about advocating the benefits of good design. We want our clients to understand the value they receive for the fee we charge.

“Design is the premise on which Gensler is built. We are not in the commodity business”

How much does your strategy focus on the client?

Exceeding clients' expectations is our main ambition. We focus on building client relationships, not doing projects, and 85 percent of our work is from repeat clients or referrals. Clients do not receive a Gensler “look”: they are given a Gensler approach.

Most of your clients seem to be involved in business parks and commercial developments. Can you point to any significant trends in this area?

Most of our work is in urban centres, where there is a need for information and support spaces. We are intensively involved with developing centres for companies who wish to relocate certain functions outside the central facility. In the financial industry, we are

focused on bank consolidations and mergers. The revitalisation of the urban centre is also leading to another strong facility type for us, retail and entertainment. In general, there is a repositioning of properties and functions. Last year, the US market grew in our areas of project work. Health care projects diminished; housing is up; institutional and government work is up. The number of build-to-suit architectural projects rose considerably, as did lease-to-suit.

Your work in Europe and Asia has grown substantially during the year. Is this a reflection of the underlying economic conditions or an increased marketing effort on your part?

The business climate in England is strong. A large portion of our client base are UK organisations. We have intensified marketing efforts in Asia, although we are also asked by numerous US clients to do additional work for them.

Growth in the Pacific Rim has slowed this year. Do you feel that this is only a temporary phenomenon, or does it have greater long-term significance?

Our growth in the Pacific Rim has speeded up. Besides corporate interiors, we are working on a number of retail and entertainment projects and airports.

What do you identify as the major growth sectors of the market, both geographically and in terms of building type?

The major growth areas in the US will be the south-east and the west coast. In general, however, all regions in the US are growing, with perhaps the exception of the north-east. As for facility type, we are seeing many purpose-built project but clients are requesting an exit strategy.

With respect to clients: we expect government work to continue to grow. Adaptive re-use is also strong. As manufacturing becomes more capital-focused, there will be a shift from other countries to the US. Airports continue to be a strong market. We are beginning to see quite a bit of work in South America.

The market for industrial warehouses and distributions is growing. There is a shift in the kind of retail work we are seeing, more and more department stores are being converted into office space, movie theatres etcetera. Retail companies are requesting an entertainment component. In the UK we are seeing more office construction. In Asia, there are more industrial and entertainment projects.

WA

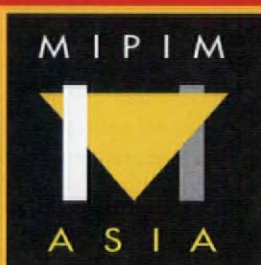
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Greece - Lita BORNE. Tel: 30 (1) 808 68 21, fax: 30 (1) 808 26 03.

The Top 250 League Chart

| 1997 Rank | Last year | Firm's name | Fee-earning architects | Total staff worldwide | Total national offices | Total int'l offices | Fee range (US\$m) | Country | Core activity | Specialisation |
|-----------|-----------|---|------------------------|-----------------------|------------------------|---------------------|-------------------|-----------|---------------|---------------------------------------|
| 1 | (1) | Gensler | 720 | 915 | 10 | 4 | 100-120 | USA | A/D | A:C:F:G:I:K:M: N:O |
| 2 | (2) | Kajima Design | 648 | 1420 | 11 | 8 | 180+ | Japan | A/E | D:G:F:E:I:J:K: L:M:N:O:P:Q |
| 3 | (4) | Hellmuth, Obata & Kassabaum, Inc | 564 | 1638 | 21 | 8 | 120-140 | USA | A/D | D:E:F:G:H:I:J: K:M:N:O:P:Q |
| 4 | (5) | Nikken Sekkei Ltd | 501 | 1788 | 21 | 3 | 180+ | Japan | A/E | A:D:E:F:G:H:I:J: K:M:O:P:Q:R |
| 5 | (6) | NBBJ | 493 | 630 | 6 | 1 | 60-80 | USA | A/D | A:I:J:K:L:M:N: O:P:Q:R |
| 6 | | Weidleplan Consulting GmbH | 380 | 500 | 8 | 5 | 60-80 | Germany | A/E | C:K |
| 7 | (10) | RTKL International Ltd | 378 | 605 | 4 | 6 | 60-80 | USA | A/E | A:D:E:F:G:K:J: I:H:M:O:P:Q |
| 8 | (9) | Daniel, Mann, Johnson & Mendenhall (DMJM) | 350 | 1500 | 29 | 7 | 140-160 | USA | A/E | A:B:C:D:E:F:G:H: I:J:K:L:M:N:O:P:Q |
| 8 | (3) | Skidmore, Owings & Merrill LLP | 350 | 700 | 4 | 2 | 40-60 | USA | A/E | A:D:F:I:K:N:O: Q:R |
| 10 | (11) | HNTB Corporation | 304 | 1953 | 40 | | 40-60 | USA | A/E | C:D:E:F:I:J:K: M:O:P:Q |
| 11 | | Peddle Thorpe Group Architects & Planners Ltd | 300 | 450 | | 14 | 40-60 | Hong Kong | A/D | C:I:J:K:M:O:P:Q |
| 12 | | Kume Sekkei Co, Ltd | 285 | 706 | 8 | | 140-160 | Japan | A/E | D:I:K:O:Q:R |
| 13 | (16) | The Ellerbe Becket Company | 279 | 705 | 6 | 5 | 100-120 | USA | A/E/C | A:C:D:F:I:J:K: N:O:P:Q:R |
| 14 | (23) | RMJM | 268 | 486 | 6 | 4 | 20-40 | UK | A/E | A:B:D:F:G:H:I: J:K:M:N:O:P:Q |
| 15 | (12) | The Buchan Group | 267 | 302 | 7 | 4 | 20-40 | Australia | A/D | A:E:F:G:H:I:K: M:N:O:P:Q |
| 16 | (15) | HKS Architects, Inc | 260 | 350 | 4 | | 20-40 | USA | A/E | I:K:R |
| 17 | (13) | FFNS Gruppen AB | 240 | 600 | 23 | 6 | 60-80 | Sweden | A/E | C:D:F:H:I:J:K: M:O:P:Q:R |
| 18 | (13) | Sir Norman Foster & Partners Limited | 230 | 400 | 2 | 5 | 10-20 | UK | A/D | F:G:I:K:L:M:P:Q |
| 19 | (137) | Lockwood Greene Engineers, Inc | 229 | 2000 | 24 | 6 | 180+ | USA | E/A | A:D:E:F:G:I:K: L:M:O:P:Q |
| 20 | (23) | Building Design Partnership | 225 | 810 | 5 | 6 | 40-60 | UK | A/E | A:D:F:G:H:I:J: K:L:M:N:O:P:Q |

KEY TO TYPE OF FIRM: A – Architect; A/D – Architects / Design Firms; A/E – Architects / Engineers; A/E/C – Architects/Engineers/Construction; E/A – Engineers / Architects

KEY TO CORE ACTIVITY AND SPECIALISATION CODES – Code letters used ranging from A to R and X:

A = Adaptive Re-use;
B = Arbitration;
C = Construction Project Management;
D = Engineering;
E = Facility Management;
F = Feasibility Studies;
G = Graphic Design;

H = Heritage and Conservation;
I = Interior Design;
J = Landscape Architecture;
K = Master Planning;
L = Product Design;
M = Programming / CAD;

N = Property & Facility Strategy;
O = Renovation;
P = Site Evaluation;
Q = Urban Design and Renewal;
R = Other;
X = No specialisation provided

| 1997 Rank | Last year | Firm's name | Fee-earning architects | Total staff worldwide | Total national offices | Total int'l offices | Fee range (US\$m) | Country | Core activity | Specialisation |
|-----------|-----------|---|------------------------|-----------------------|------------------------|---------------------|-------------------|-----------|---------------|-----------------------------------|
| 21 | (108) | SAA Partnership Pte Ltd | 220 | 250 | | 4 | 5-10 | Singapore | A/D | C:K:M |
| 22 | (19) | Callison Architecture, Inc | 213 | 300 | 2 | | 40-60 | USA | A/D | G:I:K:N:O:Q |
| 23 | (17) | von Gerkan, Marg und Partner | 210 | 300 | 5 | | - | Germany | A/D | X |
| 24 | (29) | Cox Architects & Planners | 200 | 250 | 10 | 3 | 10-20 | Australia | A/D | F:H:I:K:Q |
| 25 | (38) | Perkins & Will | 192 | 400 | 6 | 1 | 40-60 | USA | A/E | A:D:G:F:E:I:K: M:Q:P:O:N |
| 25 | | Woodhead Firth Lee International | 192 | 295 | 8 | 4 | 20-40 | Australia | A/D | E:F:G:H:I:K:M: O:P:Q |
| 27 | (18) | Kohn Pedersen Fox Associates PC | 190 | 229 | 1 | 3 | 40-60 | USA | A/D | I:K:Q:R |
| 28 | (34) | Leigh & Orange, Ltd | 188 | 605 | 1 | 9 | 20-40 | Hong Kong | A/D | C:K:I:H:G:F |
| 29 | (45) | Woods Bagot Pty Ltd | 175 | 335 | 6 | 3 | 20-40 | Australia | A/D | I:N:R |
| 30 | (21) | Ewing Cole Cherry Brott | 171 | 230 | 3 | | 20-40 | USA | A/E | A:C:D:E:F:I:K: M:Q:P:O:N |
| 31 | (26) | VOA Associates Inc | 170 | 201 | 4 | 1 | 10-20 | USA | A/D | E:H:I:J:K:M:N:O |
| 31 | (26) | Wimberly Allison Tong & Goo | 170 | 220 | 2 | 2 | 20-40 | USA | A/D | F:H:K:M:N:O:P:Q |
| 31 | (41) | Zimmer Gunsul Frasca Partnership | 170 | 215 | 3 | | 40-60 | USA | A/D | I:K:Q |
| 34 | | Anshen + Allen, Architects | 167 | 212 | 4 | 2 | 20-40 | USA | A/D | F:I:J:K:M:O:P: Q:R |
| 34 | (32) | Leo A Daly | 167 | 681 | 11 | 5 | 60-80 | USA | A/E | A:D:F:G:I:K:M: O:P:Q:R |
| 36 | (40) | HLW International, LLP | 164 | 216 | 3 | 5 | 20-40 | USA | A/E | A:C:G:F:E:D:K: J:I:Q:P:O:N:M |
| 37 | (28) | Cannon | 162 | 364 | 8 | 1 | 20-40 | USA | A/E | A:D:F:I:J:K:O:R |
| 38 | (20) | The Smith Group | 160 | 471 | 6 | | 60-80 | USA | A/E | A:D:F:I:J:K:M: N:O:P:Q:R |
| 39 | | Atkins Lister Drew Limited | 156 | 200 | 49 | 28 | 20-40 | UK | A/D | A:F:H:I:J:K:M: N:O:P:Q:R |
| 40 | (32) | Heery International Inc | 152 | 770 | 30 | 4 | 120-140 | USA | A/D | A:C:D:E:F:G:I: J:K:M:N:O:P:Q |
| 40 | (23) | Smallwood, Reynolds, Stewart, Stewart & Associates, Inc | 152 | 212 | 2 | 1 | 10-20 | USA | A/D | A:I:J:K:M:O: P:Q |
| 42 | (29) | BSW International | 150 | 446 | 4 | 1 | 10-20 | USA | A/E | C:D:F:K:L:M:N: O:P |
| 42 | (29) | Sasaki Associates, Inc | 150 | 200 | 2 | | 20-40 | USA | A/D | A:D:F:G:I:J:K: N:O:P:Q |
| 44 | (37) | White Arkitekter AB | 143 | 275 | 8 | 1 | 20-40 | Sweden | A/D | I:J:K:L:O:P:Q |
| 45 | | Naniwa Consultants International | 132 | 210 | 11 | | 10-20 | Japan | A/D | K:L |
| 45 | (108) | The Kling Lindquist Partnership | 132 | 331 | 2 | | 20-40 | USA | A/E | A:D:E:F:I:J:K: M:N:O:P:Q |
| 47 | | HBO & EMTB Pty Ltd | 130 | 145 | 2 | 3 | 5-10 | Australia | A/D | A:E:F:I:K:N:O:Q |
| 47 | (49) | Kaplan / McLaughlin / Diaz | 130 | 160 | 4 | 4 | 20-40 | USA | A/D | A:E:F:H:I:J:K: M:N:O:P:Q |
| 49 | (56) | Chapman Taylor Partners | 129 | 171 | 1 | 2 | - | UK | A/D | C:F:G:H:I:K:M: O:Q:R |
| 50 | (36) | Henn Architekten Ingenieure | 128 | 140 | 4 | | 20-40 | Germany | A/E | A:C:E:F:I:K:M: O:P:Q:R |
| 51 | (55) | Musil Perkowitz Ruth, Inc | 125 | 150 | 6 | | 10-20 | USA | A/D | A:C:F:M:K:I:O:P |
| 52 | (47) | epr architects limited | 120 | 242 | 1 | 4 | 5-10 | UK | A/D | A:C:E:I:H:G:F: K:M:O:P:Q |
| 52 | (141) | Gould Evans Affiliates | 120 | 160 | 5 | | 10-20 | USA | A/D | A:C:E:F:G:H:I:J: K:L:M:N:O:P:Q |
| 52 | (156) | Grupo BAIA SA de CV | 120 | 450 | 2 | 1 | 10-20 | Mexico | A/E | A:C:D:F:I:Q |
| 52 | (141) | Swanke Hayden Connell Architects, Ltd | 120 | 160 | 3 | 2 | 10-20 | USA | A/D | A:G:H:I:K:M:O:P |
| 56 | | Cooper Carry & Associates, Inc | 119 | 129 | 2 | | 10-20 | USA | A/D | A:F:G:I:J:K:M |
| 57 | | Vitetta Group | 117 | 215 | 6 | | 20-40 | USA | A/E | A:D:F:H:I:J:K: O:M |
| 58 | (43) | Henningson, Durham & Richardson, Inc | 115 | 326 | 4 | | 40-60 | USA | A/E | X |
| 59 | (125) | GMW Partnership | 112 | 173 | 1 | 4 | 5-10 | UK | A/D | A:F:I:H:M:K:O:P |
| 60 | (39) | Architekten Schweger + Partner | 110 | 130 | 5 | 1 | - | Germany | A/D | H:I:O:Q:R |
| 60 | (44) | Thompson, Ventulett, Stainback & Associates, Inc | 110 | 170 | 1 | 0 | 20-40 | USA | A/D | A:E:F:G:I:K:L:P:R |
| 62 | (53) | Pei Cobb Freed & Partners | 109 | 145 | 1 | | 20-40 | USA | A/D | F:I:K |
| 63 | (156) | Benoy Limited | 107 | 200 | 2 | | 5-10 | UK | A/D | F:G:I:O:P:Q:R:M |

| 1997 Rank | Last year | Firm's name | Fee-earning architects | Total staff worldwide | Total national offices | Total int'l offices | Fee range (US\$m) | Country | Core activity | Specialisation |
|-----------|-----------|--|------------------------|-----------------------|------------------------|---------------------|-------------------|-----------|---------------|---------------------------------|
| 63 | (56) | DLR Group | 107 | 410 | 12 | | 20-40 | USA | A/E | F:K:M |
| 65 | (68) | Architekturbüro W GK | 105 | 125 | 7 | | 20-40 | Germany | A/E | A:C:D:F:H:I:K:O |
| 65 | | Hammel Green and Abrahamson, Inc | 105 | 320 | 3 | | 20-40 | USA | A/E | A:D:I:J:K:O:R |
| 65 | | Payette Associates, Inc | 105 | 133 | 1 | | 10-20 | USA | A/D | F:G:I:J:K:M:O:P |
| 65 | (8) | The Hillier Group | 105 | 365 | 7 | 1 | 40-60 | USA | A/D | C:E:F:G:I:J:K:M:P |
| 65 | (61) | VBB Architects | 105 | 125 | 9 | | 5-10 | Sweden | A/E | J:K:Q:R |
| 70 | | Graeber, Simmons & Cowan, Inc | 103 | 127 | 3 | | 10-20 | USA | A/D | C:F:I:K:M:N:O: P:R |
| 70 | (56) | Sheppard Robson International | 103 | 140 | 1 | | 10-20 | UK | A/D | A:F:H:I:K:L:M: O:P:Q |
| 72 | (41) | Spillis Candela & Partners, Inc | 102 | 251 | 4 | 1 | 20-40 | USA | A/E | A:D:I:K:M |
| 73 | (108) | DP Architects PTE Ltd | 100 | 300 | 1 | 4 | 10-20 | Singapore | A/D | X |
| 73 | (49) | KHR AS arkitekter | 100 | 110 | 1 | | 10-20 | Denmark | A/D | C:E:F:G:I:J:K: L:Q:O |
| 73 | (108) | Wong Tung & Partners Limited | 100 | 280 | 4 | | 20-40 | Hong Kong | A/D | G:I:J:K:O:Q:R |
| 76 | (73) | Dissing + Weitling Architects A/S | 99 | 111 | 1 | | 10-20 | Denmark | A/D | C:F:G:I:J:K:L: O:P:Q |
| 76 | (89) | Ehrlich-Rominger | 99 | 240 | 5 | | 40-60 | USA | A/D | A:D:E:F:I:K:M: O:P:R |
| 78 | (63) | Dennis Lau & Ng Chun Man Architects & Engineers (HK) Ltd | 97 | 336 | 1 | 1 | - | Hong Kong | A/E | C:D:F:G:I:J:K: M:O:Q |
| 79 | | Niles Bolton Associates, Inc | 92 | 110 | 2 | | 10-20 | USA | A/D | A:E:I:J:K:L:O:P:Q |
| 80 | (82) | Development Design Group, Inc | 91 | 111 | 2 | 3 | 10-20 | USA | A/D | R:G:I:J:K:O:Q |
| 80 | (76) | Rolfe Judd | 91 | 120 | 2 | 1 | 10-20 | UK | A/D | F:H:I:K:O:Q:R |
| 80 | (67) | Studios Architecture | 91 | 137 | 3 | 2 | 5-10 | USA | A/D | A:C:F:I:K:M:N: O:P |
| 83 | (47) | BDG / McColl | 90 | 190 | 5 | 1 | 20-40 | UK | A/D | F:G:I:K:Q |
| 83 | (73) | Brennan Beer Gorman / Architects | 90 | 135 | 12 | 1 | 5-10 | USA | A/D | A:F:G:H:I:M:K: O:P |
| 83 | (102) | C Y Lee & Partners Architect & Planner | 90 | 150 | 3 | 3 | 10-20 | Taiwan | A/D | F:G:I:J:K:M:P:Q |
| 83 | (68) | Cecil Denny Highton Partnership | 90 | 130 | 3 | 1 | 10-20 | UK | A/D | A:B:C:F:H:I:K: M:N:O:Q:R |
| 83 | | Elkus / Manfredi Architects Ltd | 90 | 100 | 1 | | 10-20 | USA | A/D | A:F:I:K:M:Q:P:O |
| 83 | (61) | Richard Meier & Partners | 90 | 120 | 2 | | 5-10 | USA | A/D | K:M |
| 83 | (64) | Stone Marraccini Patterson | 90 | 125 | 2 | 1 | 20-40 | USA | A/D | F:I:K:M:Q:R |
| 90 | (68) | Murphy / Jahn, Inc | 89 | 99 | 1 | 2 | 10-20 | USA | A/D | X |
| 91 | (80) | TBV Consult | 88 | 329 | 5 | | 10-20 | UK | A/E | C:D:F:G:H:P:R |
| 92 | (73) | Broadway Malyan | 86 | 188 | 4 | 2 | 10-20 | UK | A/D | A:C:F:G:H:I:J: K:M:R:Q:P:O |
| 92 | (94) | RSP Architects Planners & Engineers (PTE) Ltd | 86 | 513 | 3 | 6 | 40-60 | Singapore | A/E | C:D:F:H:I:M:K: Q:P |
| 94 | | Rosser International, Inc | 85 | 255 | 3 | 1 | 20-40 | USA | A/E | D:F:I:K:M:P:O:R |
| 95 | (89) | Percy Thomas Partnership (Architects) Ltd | 83 | 148 | 6 | 1 | 5-10 | UK | A/D | A:F:G:I:J:K:M: O:P:Q |
| 96 | (81) | Harley Ellington Design | 81 | 175 | 6 | | 10-20 | USA | A/E | A:C:D:F:I:J:K: M:N:O:P:Q |
| 97 | (102) | Arrowstreet Inc | 80 | 100 | 1 | | 10-20 | USA | A/D | A:F:G:K:M:O:P: Q:R |
| 97 | (87) | Aukett Associates | 80 | 150 | 2 | 6 | 10-20 | UK | A/E | D:F:G:I:J:K:P:Q |
| 97 | (162) | Corgan Associates, Inc | 80 | 170 | 4 | | 10-20 | USA | A/D | A:F:G:I:K:M:R: Q:P:O |
| 97 | (94) | Einhorn Yaffee Prescott, Architecture & Engineering PC | 80 | 330 | 3 | | 20-40 | USA | A/E | A:D:F:G:H:I:K: O:P |
| 97 | (49) | Fitzroy Robinson Limited | 80 | 100 | 3 | 2 | 10-20 | UK | A/D | F:I:K:P:Q:R |
| 97 | (94) | Flad & Associates | 80 | 205 | 5 | | 20-40 | USA | A/E | A:F:G:I:J:K:R: Q:P:O:N:M |
| 97 | (133) | HLM Design Ltd | 80 | 105 | 3 | | 5-10 | UK | A/D | F:H:I:J:K:M:Q |
| 97 | (94) | KKE Architects | 80 | 100 | 1 | 1 | 10-20 | USA | A/D | I:K:M:O:P |
| 97 | | RMW Architecture & Design | 80 | 100 | 4 | | 10-20 | USA | A/D | A:F:I:M:P:O |
| 97 | (22) | Thurfjell-Gruppen AB | 80 | 170 | 14 | 1 | 10-20 | Sweden | A/E | X |
| 107 | (133) | Prof Bremmer - Lorenz - Frielinghaus | 79 | 89 | 4 | 1 | 10-20 | Germany | A/D | A:B:C:D:E:F:G: H:I:K:N:O:P:Q |

| 1997 Rank | Last year | Firm's name | Fee-earning architects | Total staff worldwide | Total national offices | Total int'l offices | Fee range (US\$m) | Country | Core activity | Specialisation |
|-----------|-----------|--|------------------------|-----------------------|------------------------|---------------------|-------------------|-------------|---------------|---------------------------------|
| 108 | (87) | Richard Rogers Partnership | 78 | 127 | 1 | 2 | 10-20 | UK | A | C:F:I:K:M:N:P:Q |
| 109 | | McKerrel Lynch | 76 | 103 | 2 | 3 | 5-10 | Australia | A/D | C:E:I:J:K |
| 110 | | WZMH (Webb Zerafa Menkes Holisden Partnership) | 75 | 105 | 2 | 1 | 10-20 | Canada | A/D | C:F:I:K:M:P:Q |
| 111 | (120) | Gruzen Samton Architects, Planners & Interior Designers | 74 | 85 | 2 | | 10-20 | USA | A/D | A:I:K:O:Q:R |
| 111 | (85) | KMSP (Kaplan - Matze - Schöler + Partner) Architekten BDA | 74 | 92 | 3 | | 5-10 | Germany | A/D | A:E:I:K:O |
| 113 | | Gresham, Smith & Partners | 73 | 493 | 11 | | 20-40 | USA | A/E | C:D:F:G:I:J:K: M:O:P:Q:R |
| 113 | | Loschky Marquardt & Nesholm | 73 | 90 | 1 | | 10-20 | USA | A/D | F:G:I:K:R |
| 115 | (108) | Fanning / Howey Associates, Inc | 71 | 270 | 8 | | 10-20 | USA | A/E | D:F:I:J:K:O:P |
| 115 | (99) | RHWL Partnership | 71 | 128 | 1 | | 5-10 | UK | A/D | A:F:H:I:K:M:P:Q |
| 115 | (141) | Terry Farrell & Partners | 71 | 100 | 2 | 2 | 5-10 | UK | A/D | A:F:K:Q |
| 118 | (59) | Renzo Piano Building Workshop | 70 | 95 | 1 | 3 | 10-20 | Italy | A/D | F:I:J:K:O |
| 118 | (82) | Takamatsu + Lahyani - Architects Associates | 70 | 85 | 3 | 4 | 100-120 | Germany | A/D | X |
| 120 | (60) | 3D / International, Inc | 69 | 511 | 15 | 1 | 10-20 | USA | A/E | A:C:F:E:D:H:I: K:M:N:O |
| 121 | (64) | HMC Group | 68 | 142 | 5 | | 10-20 | USA | A/D | I:O:N:M:L:K |
| 121 | (125) | Jung / Brannen Associates, Inc | 68 | 80 | 2 | | 5-10 | USA | A/D | A:E:F:H:I:K:M: O:P:Q |
| 121 | | PRP Architects Ltd | 68 | 88 | 3 | | 0-5 | UK | A/D | A:C:F:H:J:K:M: O:P:Q |
| 124 | (130) | Niels Torp A/S Arkitekter MNAL | 67 | 76 | 1 | 1 | 5-10 | Norway | A/D | A:C:I:J:K:N:O: P:Q |
| 124 | (99) | Peckham Guyton Albers & Viets, Inc (PGAV) | 67 | 87 | 2 | | 10-20 | USA | A/D | F:I:K:M:N:O:P:Q |
| 126 | (46) | Hansen Lind Meyer | 66 | 213 | 10 | | 20-40 | USA | A/E | D:F:I:J:K:M:O:P |
| 126 | (156) | KA, Inc, Architecture (formerly Keeva J Kekst Architects) | 66 | 82 | 1 | | 10-20 | USA | A/D | E:F:G:I:J:K:N:P |
| 126 | (133) | Lohan Associates | 66 | 80 | 77 | 3 | 10-20 | USA | A/D | A:F:G:I:K:M:O: P:Q:R |
| 129 | (82) | Heinle, Wischer und Partner, Freie Architekten | 65 | 123 | 5 | | 10-20 | Germany | A/D | A:C:F:H:I:K:L:O:Q |
| 129 | (125) | John Seifert Architects | 65 | 90 | 1 | 2 | - | UK | A/D | A:K:M:O:P:Q |
| 129 | | Kyodo Architects, Planners & Engineers | 65 | 80 | 4 | | 60-80 | Japan | A/E | A:G:C:D:E:F:I: J:K:P:Q |
| 129 | (91) | L Robert Kimball & Associates, Inc | 65 | 539 | 11 | | 20-40 | USA | A/E | D:J:R |
| 129 | (141) | Tengbom gruppen ab | 65 | 75 | 1 | | 5-10 | Sweden | A/D | A:F:H:I |
| 134 | (117) | ORMROD & Partners | 61 | 89 | 1 | | 5-10 | UK | A/D | A:C:F:G:H:I:J: K:O:P:Q |
| 134 | (104) | Thomson Adsett Architects | 61 | 130 | 9 | 7 | 10-20 | Australia | A/D | X |
| 136 | (119) | Albert Kahn Associates, Inc | 60 | 310 | 1 | | 20-40 | USA | A/E | A:C:D:E:F:G:H: I:J:K:N:O:P:Q |
| 136 | (108) | AS&P - Albert Speer & Partner GmbH | 60 | 70 | 3 | | 5-10 | Germany | A | A:F:K:O:P:Q |
| 136 | | BWBR Architect, Inc | 60 | 80 | 1 | | 10-20 | USA | A/D | I:K:M:O:R |
| 136 | (152) | Llewelyn-Davies | 60 | 175 | 1 | 1 | 10-20 | UK | A/D | F:G:I:J:K:P:Q:R |
| 136 | (117) | The Whinney Mackay Lewis Partnership | 60 | 72 | 3 | | 5-10 | UK | A/D | A:C:E:F:I:K:M: N:O:P |
| 136 | | Timothy Seow Group Architects | 60 | 72 | 1 | 4 | 10-20 | Singapore | A/D | F:G:I:K:M:Q:R |
| 136 | (54) | Zeidler Roberts Partnership/Architects | 60 | 110 | 1 | 4 | 10-20 | Canada | A/D | R:A:F:G:H:I:K: M:O:P:Q |
| 143 | | Kanko Kikaku Sekkeisha (Y Shibata & Associates) | 59 | 137 | 2 | 2 | 20-40 | Japan | A/D | F:I:K:M:N:P:R |
| 143 | (130) | Page Southerland Page | 59 | 197 | 4 | | 10-20 | USA | A/E | D:E:F:I:K:M:O:P |
| 145 | (120) | John R Harris Partnership | 58 | 90 | 2 | 6 | - | UK | A/D | F:H:I:M:N:O:P:Q |
| 145 | | TRO / The Richie Organisation | 58 | 160 | 3 | | 10-20 | USA | A/E | A:D:F:I:K:M:N:O |
| 147 | (139) | Austin - Smith : Lord | 57 | 81 | 4 | | 5-10 | UK | A/D | A:F:I:J:K:N:Q |
| 148 | | JASMAX Architects Ltd | 56 | 84 | 3 | | 5-10 | New Zealand | A/D | A:F:H:I:K:M:O: P:Q |
| 148 | (120) | Kallmann McKinnell & Wood Architects, Inc | 56 | 65 | 1 | 1 | 10-20 | USA | A/D | F:I:J:K:M:R |
| 148 | | Nadel Architects, Inc | 56 | 143 | 5 | | 10-20 | USA | A/D | I:K:M:O:Q |
| 151 | (125) | Groupe Archital | 55 | 81 | 3 | 3 | 20-40 | France | A/D | C:G:I:L |
| 151 | (150) | Hayes, Seay, Mattern & Mattern, Inc | 55 | 425 | 10 | | 20-40 | USA | E/A | A:D:F:G:I:J:K: M:O:P:Q |

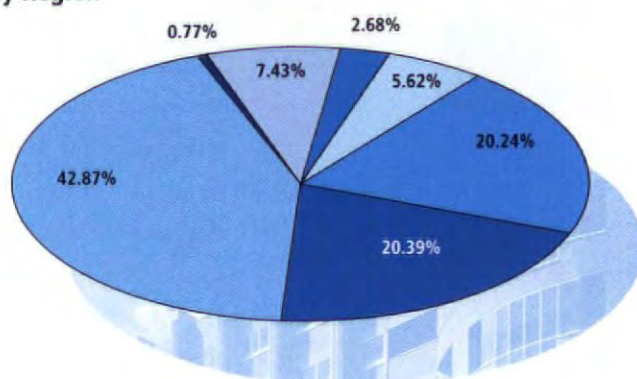
| 1997 Rank | Last year | Firm's name | Fee-earning architects | Total staff worldwide | Total national offices | Total int'l offices | Fee range (US\$m) | Country | Core activity | Specialisation |
|-----------|-----------|---|------------------------|-----------------------|------------------------|---------------------|-------------------|--------------|---------------|---------------------------|
| 151 | (190) | The Fairhurst Design Group | 55 | 151 | 4 | 6 | 5-10 | UK | A/D | A:F:I:J:K:O:P:R |
| 151 | | The Stubbins Associates | 55 | 65 | 1 | | 10-20 | USA | A/D | F:G:I:J:K:M:O:P |
| 155 | | Chetwood Associates Limited | 54 | 98 | 3 | | 5-10 | UK | A/D | F:G:K:M:P:Q:R |
| 155 | (130) | Nyréns Arkitektkontor AB | 54 | 60 | 1 | | 5-10 | Sweden | A/E | C:F:I:J:L:N:O:Q |
| 157 | | Hassell Pty Ltd | 52 | 310 | 4 | 4 | 20-40 | Australia | A/D | C:E:F:G:I:J:K:N:Q |
| 157 | (68) | Karlsberger Companies | 52 | 160 | 3 | | 10-20 | USA | A/D | F:G:I:J:K:P:Q:R |
| 157 | (150) | RDC Architects Pte Ltd | 52 | 110 | | | 10-20 | Singapore | A/D | C:F:K:O:P:Q |
| 157 | | The Peter van Kerckhove Partnership | 52 | 97 | 3 | 1 | 10-20 | Belgium | A/E | C:D:I:J:K:O:Q |
| 161 | (120) | Alsop & Störmer | 50 | 74 | 1 | 3 | 5-10 | UK | A/D | J:K:Q:R |
| 161 | (141) | Architekturbüro Prof Dipl -Ing Harald Deilmann | 50 | 75 | 3 | | - | Germany | A/D | X |
| 161 | (141) | EMW Eller Maier Walter & Partners, GmbH | 50 | 60 | 4 | 1 | 10-20 | Germany | A/E | A:F:G:H:I:K:O |
| 161 | (76) | Ingenhoven Overdiek und Partner | 50 | 70 | 1 | 1 | 10-20 | Germany | A/E | C:D:F:I:J:K:L:Q |
| 161 | (178) | Prof Gerber und Partner | 50 | 80 | 5 | | - | Germany | A/D | X |
| 161 | (171) | Scott Tallon Walker Architects | 50 | 61 | 3 | | 5-10 | Ireland | A/D | A:F:I:K:N:O:P:Q:R |
| 161 | | Sidell Gibson Partnership | 50 | 60 | 1 | | 5-10 | UK | A/D | A:F:H:I:K:O:Q |
| 161 | (164) | Simon Kwan & Associates Limited | 50 | 109 | | 2 | - | Hong Kong | A/D | X |
| 161 | | Stephenson & Turner Group | 50 | 105 | 2 | 2 | 10-20 | New Zealand | A/E | A:C:E:F:H:I:K:P:Q:R |
| 170 | (149) | Lewis & Hickey | 49 | 102 | 4 | 4 | 5-10 | UK | A/D | A:F:I:O:R:H:K:M:P:Q:C |
| 171 | (184) | AM Partners, Inc | 48 | 62 | 1 | | 10-20 | USA | A/D | I:K:O:R |
| 171 | | Ballinger | 48 | 103 | 1 | | 10-20 | USA | A/E | A:D:F:I:K:M:P:Q |
| 171 | (164) | SSOE, Inc | 48 | 608 | 4 | | 40-60 | USA | E/A | A:D:E:F:I:J:K:P:O:N:M:R |
| 174 | (108) | HJS Arkitektur AB | 47 | 76 | 4 | | 5-10 | Sweden | A/D | F:I:K:M:O:P:R |
| 175 | (141) | PLH Arkitekter A/S | 46 | 52 | 1 | | 0-5 | Denmark | A/D | A:C:F:H:I:K:L:O:P:Q |
| 175 | (152) | Skaarup & Jespersen as, Architects and Planners | 46 | 53 | 2 | 4 | 0-5 | Denmark | A/D | C:F:I:K:O:Q |
| 177 | (166) | Arch Center, Consulting, Architects & Engineers | 45 | 55 | 1 | | 0-5 | Saudi Arabia | A/D | X |
| 177= | (184) | Architekturbüro Michael Weindel | 45 | 65 | 2 | | 0-5 | Germany | A/D | A:E:F:G:I:J:K:M:O:P |
| 177 | (139) | Arkitek Maa SDN BHD | 45 | 120 | 1 | | 5-10 | Malaysia | A/D | Q |
| 177 | | BEEAH - Planners, Architects & Engineers | 45 | 130 | 1 | | - | Saudi Arabia | A/D | K:I |
| 177 | | Que - De La Cruz & Associates | 45 | 362 | 2 | | 0-5 | Philippines | A/D | C:I:J:L:O |
| 177 | (64) | Scott Brownrigg & Turner Ltd | 45 | 119 | 3 | 3 | - | UK | A/D | F:I:K:M |
| 183 | (156) | Loebl Schlossman & Hackl - Hague Richards | 44 | 90 | 1 | | 10-20 | USA | A/D | E:F:G:I:K:M:O:P:R |
| 183 | (198) | Narud•Stokke•Wiig | 44 | 52 | 2 | | 0-5 | Norway | A/D | H:I:K:L:Q:R |
| 183 | (76) | Odell Associates Inc | 44 | 200 | 3 | | 20-40 | USA | A/E | D:F:I:J:K:P:Q |
| 186 | | Lend Lease Design Group Limited | 43 | 97 | 1 | 1 | 10-20 | Australia | A/E | E:F:K:M:N:P:Q |
| 186 | (152) | WTW Architects | 43 | 64 | 2 | | 5-10 | USA | A/D | A:E:F:I:K:O:P |
| 188 | (190) | Eggert & Partners, Freie Architekten und Ingenieure BDA | 42 | 75 | 7 | 7 | 20-40 | Germany | A/D | X |
| 188 | (104) | Giffels Associates, Inc | 42 | 460 | 3 | | 20-40 | USA | E/A | C:D:F:I:K:M:O:P |
| 190 | | TAMS Consultants, Inc | 41 | 420 | 8 | 18 | 40-60 | USA | E/A | A:C:D:F:I:K:O:P:Q |
| 191 | (166) | DEGW International Ltd | 40 | 110 | 2 | 6 | 10-20 | UK | A/D | A:F:I:K:N:O:P:Q:R |
| 191 | (173) | Fox & Fowle Architects, PC | 40 | 50 | 1 | | 5-10 | USA | A/D | A:F:I:K:N:O:P:Q:R |
| 191 | (166) | Hamilton Associates Architects Ltd | 40 | 46 | 1 | 1 | 0-5 | UK | A/D | K:M:R |
| 191 | (173) | Mangor & Nagel, Arkitektfirma A/S | 40 | 45 | 3 | | 5-10 | Denmark | A/D | C:E:F:G:I:K:N:O:Q |
| 191 | (182) | Ricky Liu & Associates | 40 | 46 | 1 | | 5-10 | Taiwan | A/D | F:I:K:P:Q |
| 191 | (161) | Samark Architecture & Design | 40 | 45 | 2 | 1 | 5-10 | Sweden | A/D | I |
| 191 | | Samyn & Partners | 40 | 70 | 1 | | 5-10 | Belgium | A/E | A:B:F:E:D:C:H:I:J:K:O:P:Q |
| 191 | (166) | Steffen + Peter, Architekten BDA | 40 | 45 | 3 | | 0-5 | Germany | A/D | C |
| 191 | (173) | The Barton Willmore Partnership | 40 | 110 | 7 | | 5-10 | UK | A | C:F:H:J:K:P:Q:R |
| 200 | (178) | Tucker, Sadler & Associates | 39 | 45 | 1 | | 5-10 | USA | A/D | F:K:P:R |

| 1997 Rank | Last year | Firm's name | Fee-earning architects | Total staff worldwide | Total national offices | Total int'l offices | Fee range (US\$m) | Country | Core activity | Specialisation |
|-----------|-----------|--|------------------------|-----------------------|------------------------|---------------------|-------------------|--------------|---------------|-------------------------------|
| 201 | (212) | Peter Jöhnk / Ransley Jöhnk | 38 | 43 | 2 | 1 | - | Germany | A/D | I |
| 202 | | Robert Peck von Hartel Trethowan | 37 | 45 | 4 | | - | Australia | A/D | I:K |
| 203 | (184) | Ellis Williams Architects | 36 | 61 | 3 | | 5-10 | UK | A/D | A:F:K:M:R |
| 203 | (94) | Lyons + Sleeman + Hoare | 36 | 110 | 1 | | 5-10 | UK | A/D | F:G:H:I:K:Q:R |
| 203 | | Sergio Alemparte | 36 | 42 | | | - | Chile | A/D | L |
| 206 | (173) | Abbey Hanson Rowe | 35 | 140 | 4 | 2 | 5-10 | UK | A/D | A:F:H:I:J:K:O: P:Q:R |
| 206 | (156) | Karres-Hartmeyer-Dreyer & Partner | 35 | 40 | 3 | | 0-5 | Germany | A | C:D:H:M:O |
| 206 | | Petroff Partnership Architects | 35 | 125 | 1 | 1 | 10-20 | Canada | A/D | K:M:O:Q |
| 206 | (166) | Rochlin Baran & Balbona Inc | 35 | 65 | 1 | | 10-20 | USA | A/D | E:F:I:K:M:O:P:R |
| 206 | (190) | TSP Architects & Planners Pte Ltd | 35 | 80 | 1 | 1 | 0-5 | Singapore | A/D | C:F:K:P:Q |
| 211 | | Allen Jack + Cottier Architects | 34 | 54 | 1 | 1 | 5-10 | Australia | A/D | A:E:I:K:R |
| 211 | (182) | Donald W. Insall & Associates Ltd | 34 | 52 | 4 | | 0-5 | UK | A | A:C:F:H:I:K:Q:O |
| 211 | (197) | GHM Group / GHM Rock Townsend | 34 | 71 | 3 | | 0-5 | UK | A/E/C | C:F:K:M:N:P:Q |
| 211 | (198) | Rauh•Damm•Stiller Partner | 34 | 56 | 4 | | 5-10 | Germany | A/D | A:K:O:R |
| 211 | (152) | Watkins Carter Hamilton Architects, Inc | 34 | 77 | 1 | | 10-20 | USA | A/D | A:F:I:K:O |
| 216 | | Kwan & Associates Architects Ltd | 33 | 125 | 1 | | 10-20 | Hong Kong | A/D | C:F:G:I:K:Q |
| 217 | (208) | Morris Architects | 32 | 70 | 2 | | 5-10 | USA | A/D | A:E:F:G:I:K:M: O:P |
| 217 | (190) | Ricardo Bofill - Taller de Arquitectura | 32 | 50 | 2 | 1 | 10-20 | Spain | A/D | K |
| 217 | | Synman Justin Bialek Architects | 32 | 65 | 1 | | 0-5 | Australia | A/D | F:I:K:M:O:P |
| 220 | (190) | Architects Pacific Ltd | 31 | 75 | 1 | 3 | 0-5 | Hong Kong | A/D | X |
| 221 | (178) | Architekten Werkgemeinschaft | 30 | 40 | 2 | | 5-10 | Germany | A/D | C:F:K:O:Q |
| 221 | | Art & Build | 30 | 36 | 1 | 1 | - | Belgium | A/D | K |
| 221 | (198) | Carnell Green | 30 | 55 | 1 | | 0-5 | UK | A/D | F:I:K |
| 221 | | GAPP Architects & Urban Designers | 30 | 62 | 2 | | 0-5 | South Africa | A/D | H:K:Q:R |
| 221 | | Groep Planning | 30 | 85 | 2 | | - | Belgium | A/D | I:J:K:Q |
| 221 | (133) | Nicholas Grimshaw & Partners | 30 | 85 | 2 | 1 | 5-10 | UK | A/D | I:K:L:M |
| 221 | (171) | Norman & Dawbarn Ltd | 30 | 102 | 3 | 4 | 0-5 | UK | A/E | A:C:D:E:F:H:I: J:K:O:P:Q:R |
| 221 | | Ramirez Vazquez y Asociados, SA de CV | 30 | 140 | 4 | 2 | - | Mexico | A | G:K:L:Q:R |
| 221 | (198) | Schmidt, Hammer & Lassen A/S | 30 | 50 | 1 | | 5-10 | Denmark | A/D | C:G:H:I:J:K:L: M:Q |
| 230 | (99) | FRCH Design Worldwide | 29 | 182 | 2 | 1 | 20-40 | USA | A/D | A:C:G:H:I:K:O: P:R |
| 230 | | The Leonard Parker Associates Architects Inc | 29 | 49 | 1 | 1 | 5-10 | USA | A/D | F:I:K:M:P |
| 232 | | BSA Design | 28 | 109 | 1 | | 10-20 | USA | A/E | C:D:E:F:I:K:M: N:P |
| 232 | (163) | Schenkel & Shultz, Inc | 28 | 129 | 5 | | 10-20 | USA | A | C:F |
| 234 | (184) | CUH2A, Inc | 27 | 151 | 1 | | 5-10 | USA | A/E | A:D:F:G:I:J:K: P:O:N:M |
| 234 | | Osmond Lange Mosienyane Architects & Planners | 27 | 72 | 8 | 2 | 0-5 | South Africa | A/D | A:C:F:H:K:L:M: N:O:P:Q:R |
| 234 | (190) | Temple Cox Nicholls Architects | 27 | 53 | 1 | | 5-10 | UK | A/D | A:C:F:H:I:J:K: L:M:O:Q:R |
| 237 | (198) | Busmann & Haberer GmbH | 25 | 35 | 3 | | 5-10 | Germany | A/E | C:H:K:I:I:O:Q |
| 237 | (198) | Hardy Holzman Pfeiffer Associates | 25 | 93 | 2 | | 10-20 | USA | A/D | A:G:I:K:M:O:P |
| 237 | (198) | Venturi, Scott Brown and Associates, Inc | 25 | 45 | 1 | | 0-5 | USA | A/D | A:G:H:I:K:M:O: P:Q |
| 240 | | BLM Group | 24 | 60 | 1 | | 5-10 | USA | A/D | A:F:I:K:O |
| 240 | (221) | The Charter Partnership Ltd | 24 | 70 | 5 | | 0-5 | UK | A/D | C:F:N |
| 242 | | Cornoyer-Hedrick, Inc | 22 | 110 | 1 | | 10-20 | USA | A/D | C:E:F:G:I:J:K: M:O:P:Q:R |
| 243 | (137) | Alfred Wong Partnership Pte Ltd | 21 | 73 | 1 | 5 | 5-10 | Singapore | A/D | F:H:J:K:N:O:P:Q |
| 243 | (178) | The Spector Group | 21 | 63 | 2 | 2 | 10-20 | USA | A/D | A:E:F:I:K:M:O:P |
| 245 | | B + N Retail Group Pty Ltd | 20 | 60 | 2 | 3 | 0-5 | Australia | A/D | G:I:K:N:O:P:Q |
| 245 | | Griswold, Heckel & Kelly Associates, Inc | 20 | 170 | 5 | | 5-10 | USA | A/D | E:F:I:K:M:N:R |
| 245 | (68) | Mohamed Salahuddin Consulting Engineering Bureau | 20 | 124 | 2 | 1 | 0-5 | Bahrain | A/E | C:D:I:R |
| 245 | | Roger J. Thrum & Associates Pty Ltd | 20 | 35 | 1 | | 0-5 | Australia | A/D | C:K:O |
| 245 | (190) | The Hurd Rolland Partnership | 20 | 75 | 5 | | 5-10 | UK | A/D | A:B:F:H:O |
| 245 | | Zepeda Veraart Arquitectos | 20 | 30 | 2 | 1 | 5-10 | Mexico | A/D | E:I:K:Q:M |

The Shape of the Industry

Global trends and averages

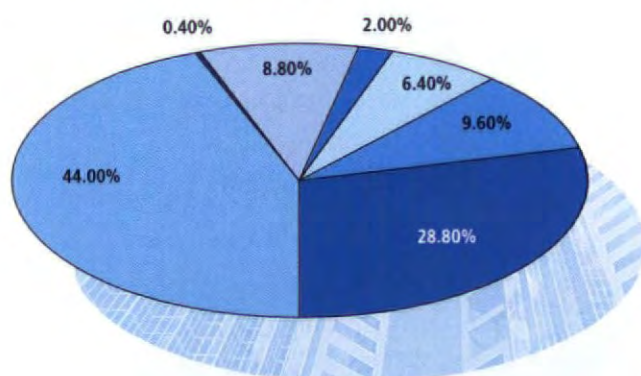
Breakdown of Activity by Region



Western Europe looks East

Western European firms look to Asia for nearly half their workload: a fact illustrated in the tables where only the market shares for Western Europe and the Pacific Rim are significantly different from the international distribution of firms in WA250.

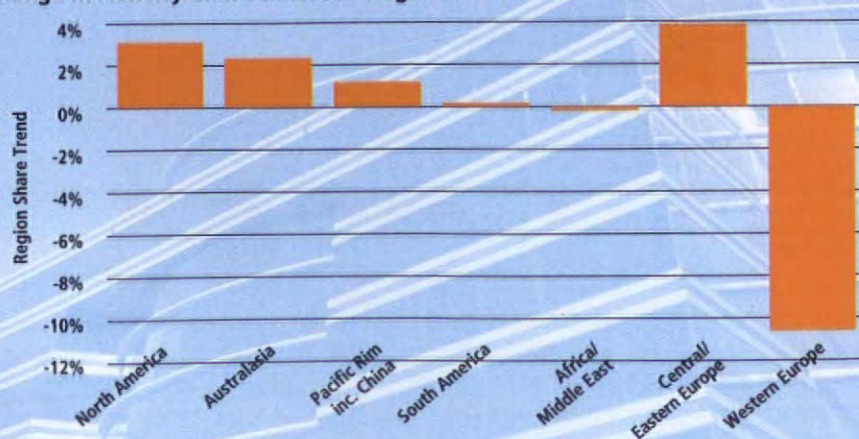
Breakdown of Firms by Home Market



KEY

- South America
- Central/Eastern Europe
- Africa/Middle East
- Australasia
- Pacific Rim inc. China
- Western Europe
- North America

Change in Activity Share between Regions, 1996-1997

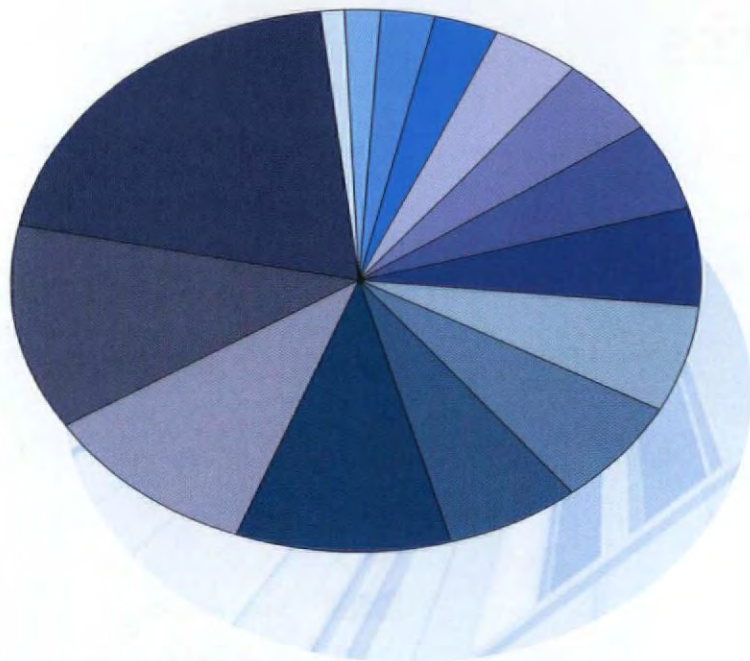


Central & Eastern Europe top growth rate

Central and Eastern Europe's share growth can be explained by the standardisation of the German figures, and their inclusion as part of Central and not Western Europe.

MARKET SECTOR ACTIVITY SHARE

Breakdown of Activity by Market Sector

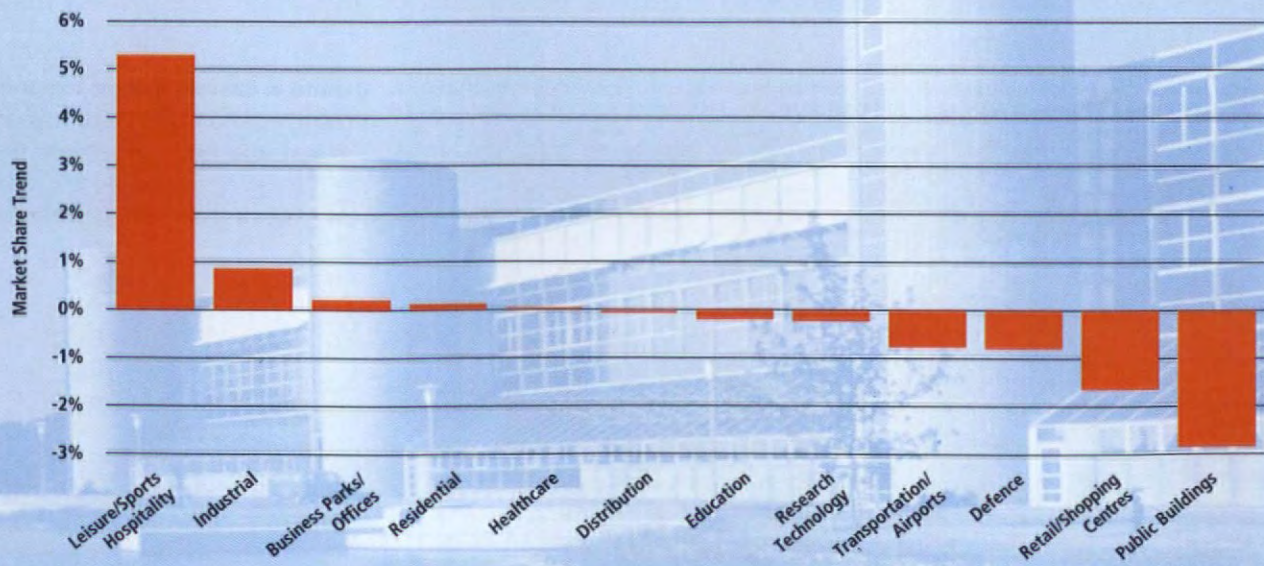


KEY

- Distribution 1.30%
- Defence 1.65%
- Criminal Justice 2.58%
- Sports 2.91%
- Research Technology 4.20%
- Leisure/Hospitality 4.59%
- Hotel/Restaurant 5.35%
- Residential 5.99%
- Public Buildings 6.26%
- Transportation/Airports 6.35%
- Industrial 6.47%
- Education 9.98%
- Retail/Shopping Centres 10.24%
- Healthcare 12.38%
- Business Parks/Offices 19.76%

1996 was good for the health
These charts show little fundamental change in the share for different market sectors year-on-year. However, healthcare and business parks continue to grow.

Change in Activity Share between Market Sectors, 1996-1997



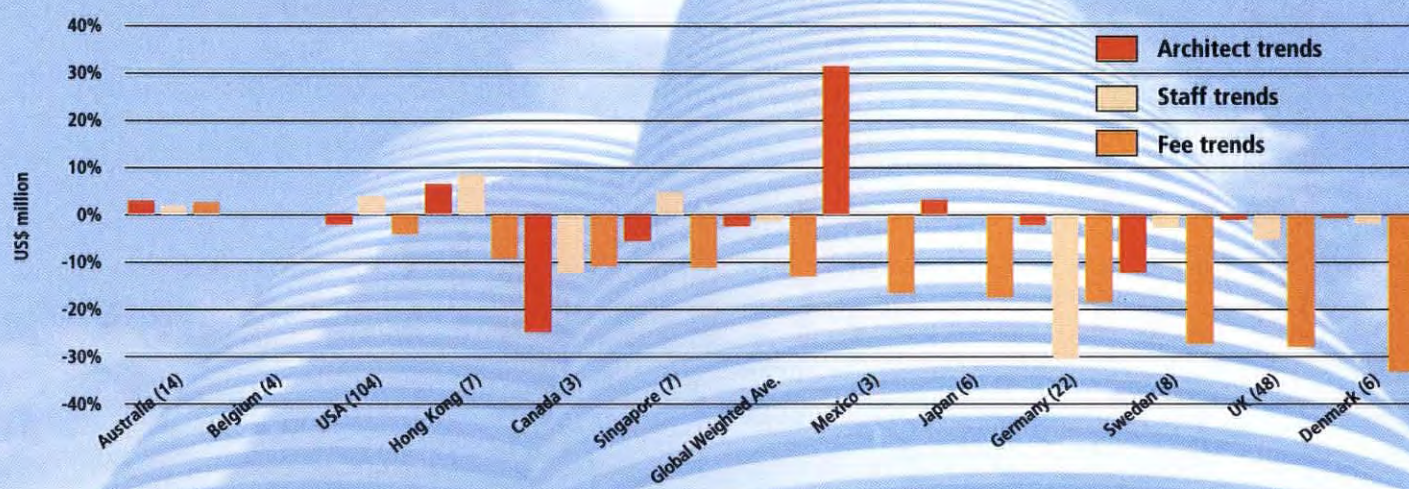
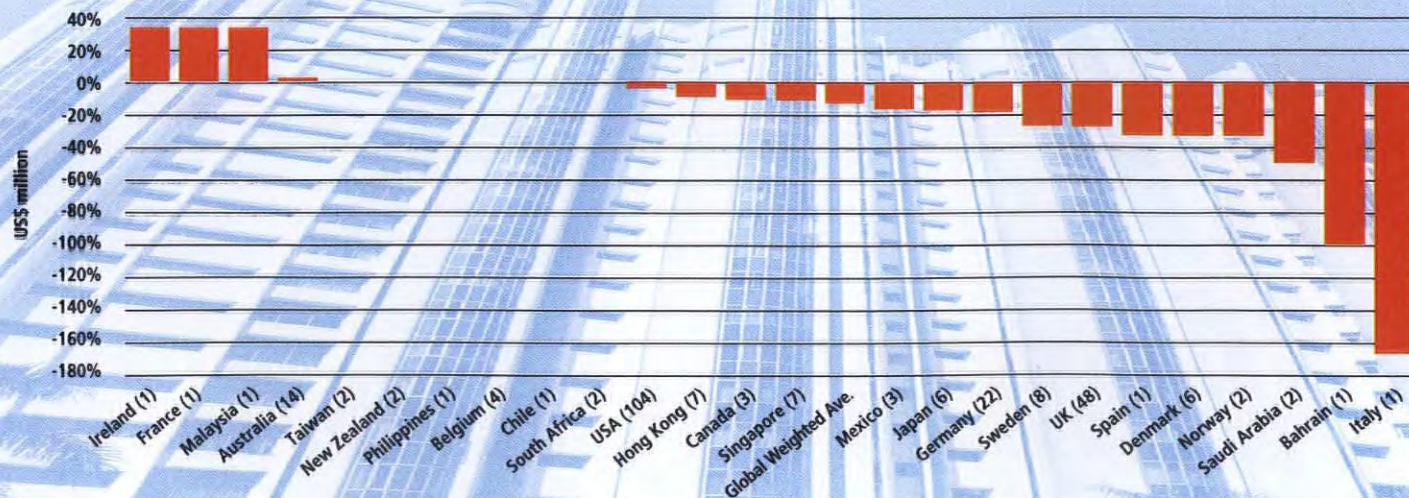
Global trend shows 13 percent downturn

- Only Australia managed a small increase this year.
- The Tiger economies' apparently unstoppable rise slowed: fees in both Hong Kong and Singapore are down significantly.
- In the US, which last year registered an increase in both architects and fees, total staff rose as the other two trends fell back – a sign of a large number of projects at the production stage.

- In the UK, increased competition may lead to lower fee income but it will not in itself persuade firms to shed staff, due to the prevailing mood of economic confidence.
- A large drop in fee income may be a precursor to recession and so generate large reductions in staff in the following year as in Germany, where fee income plummeted in 1995 even more than in 1996, but employment trends remained unaffected.
- The trend ranged from a growth of two per-

cent in Australia to a drop of 33 percent in Denmark.

- Some firms prefer to retain their most highly-skilled staff even while downsizing overall.
- The disproportionate reduction in total staff perhaps corresponds to the release of large numbers of temporary staff brought in to manage the now exhausted boom.

Architect and Staff Fee Trends by Country**Average Fee Trend by Country**

Note Only the world's top 250 firms – according to the number of fee-earning architects – are included in the following graphs. In some cases only one or two firms qualified. The figures in brackets are the size of the sample in each case.

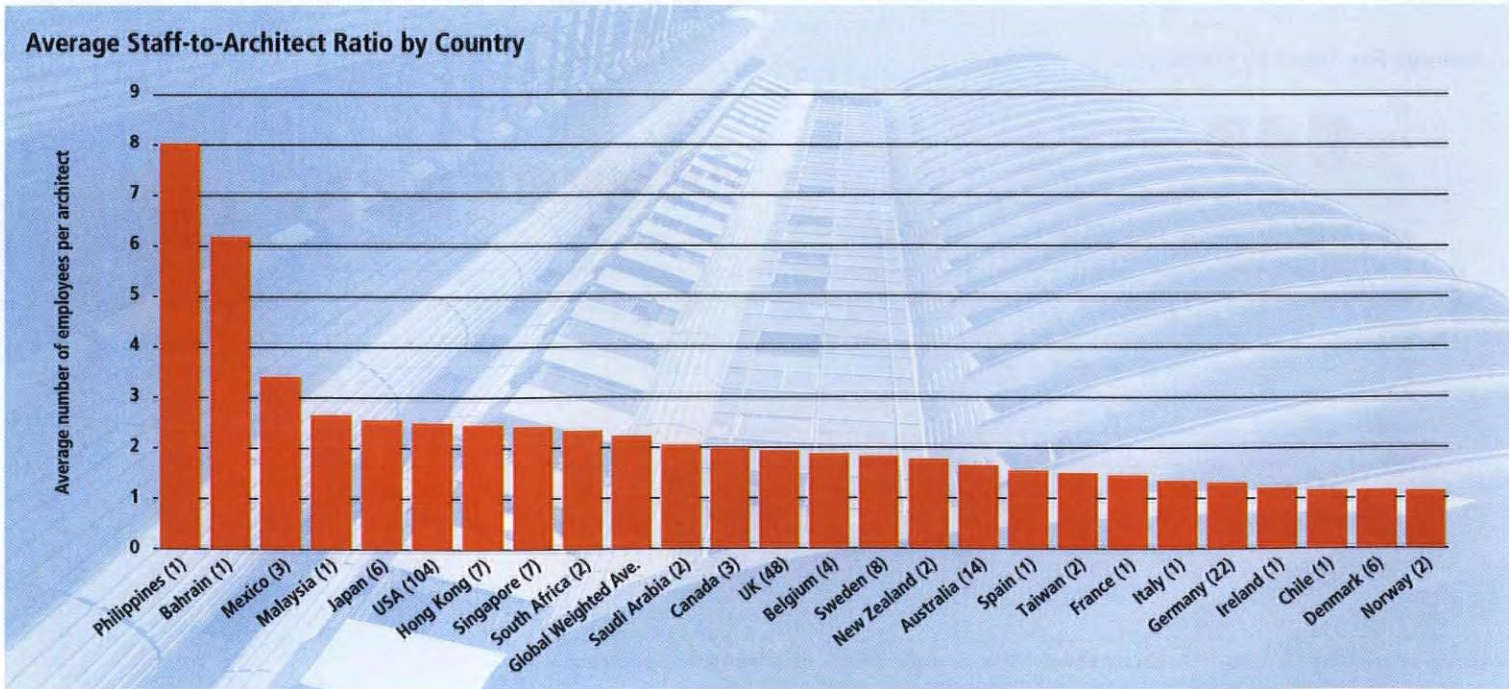
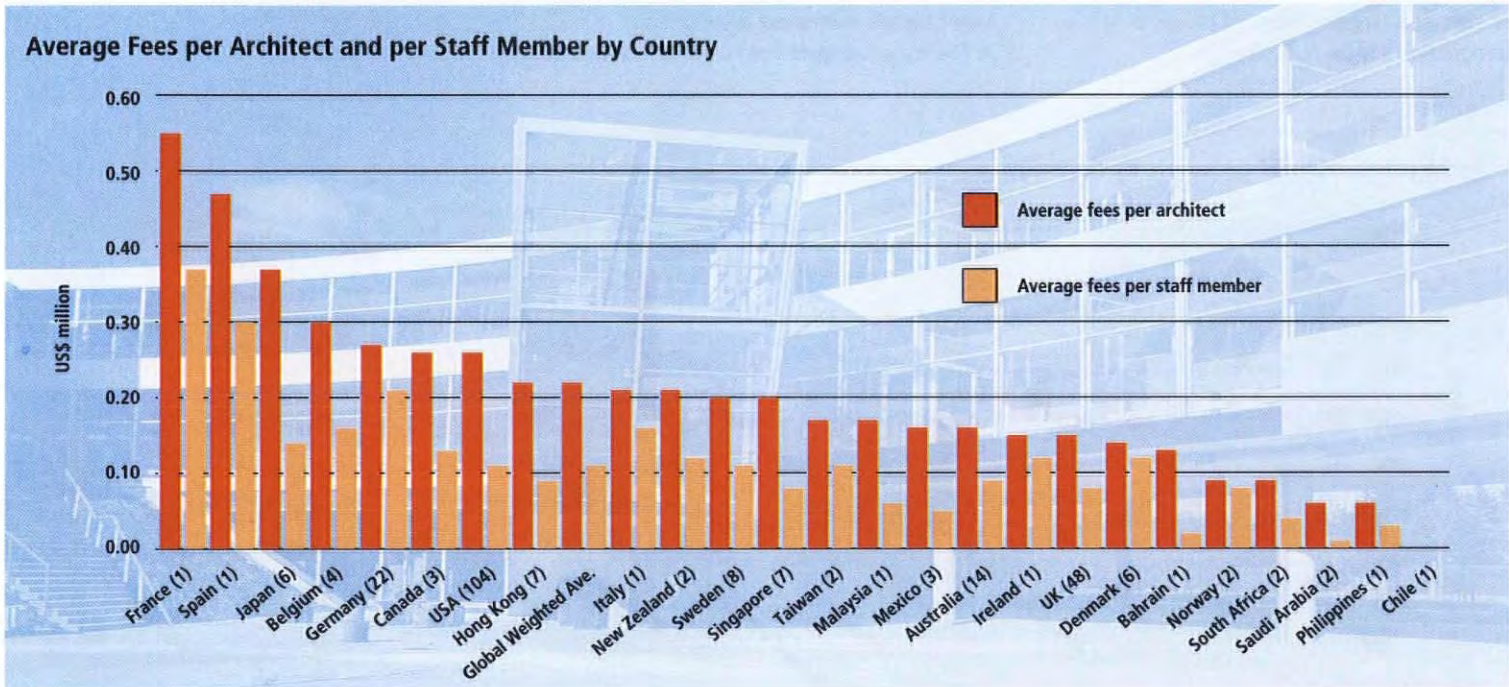
STAFF/ARCHITECT AND FEE AVERAGES

Belgian fees show unexpected strength

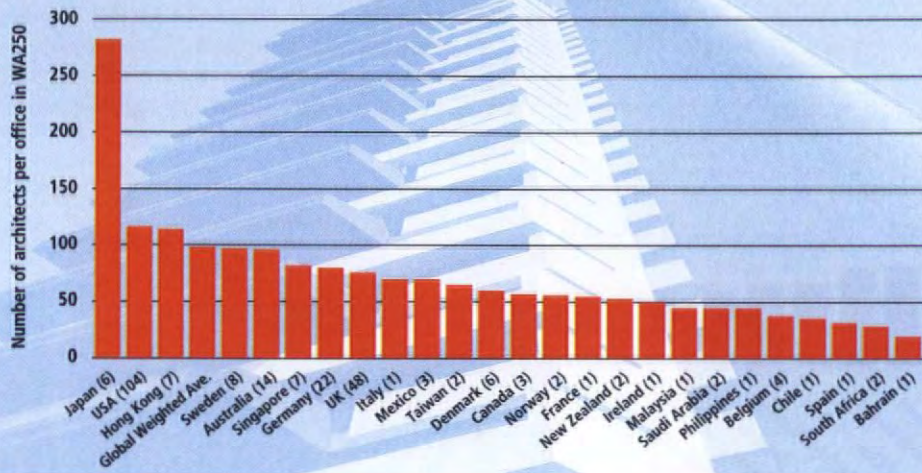
The average staff member can generate about US\$110,000. Although both France and Spain's sample size are too small to be significant, Belgium – represented for the first time – shows unexpected strength in this area.

Globally, the average architect can

expect to earn roughly US\$230,000 for his employer compared with over US\$250,000 last year.



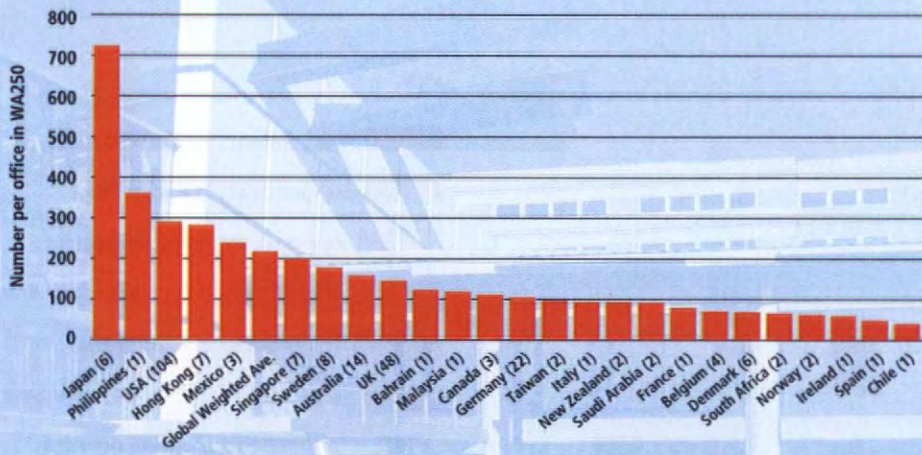
Average Architects by Country



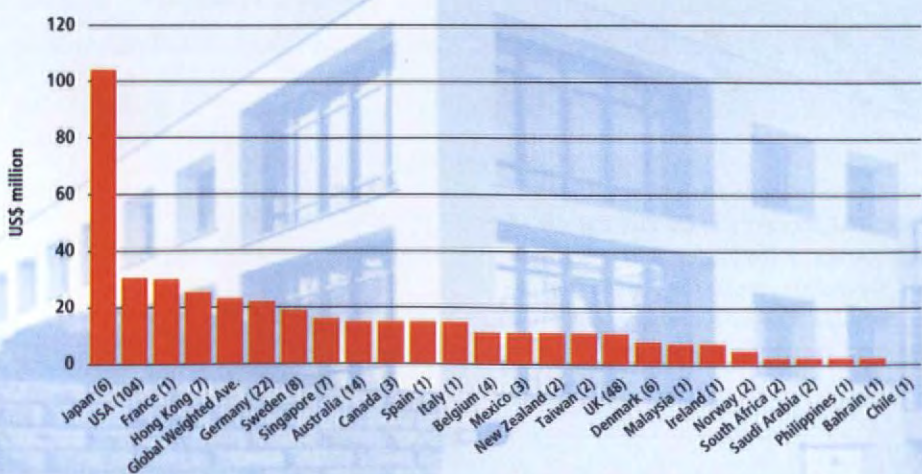
Japanese firms think big

All three graphs are dominated by Japan, the US and Hong Kong. Overall, the fall in number of architects is much steadier than that in total staff numbers.

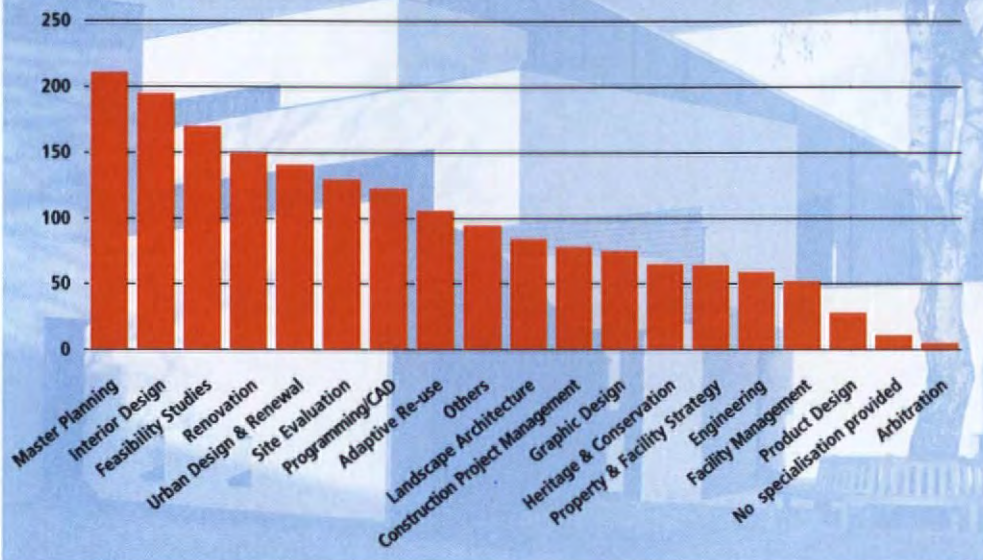
Average Total Staff by Country



Fees per Firm by Country



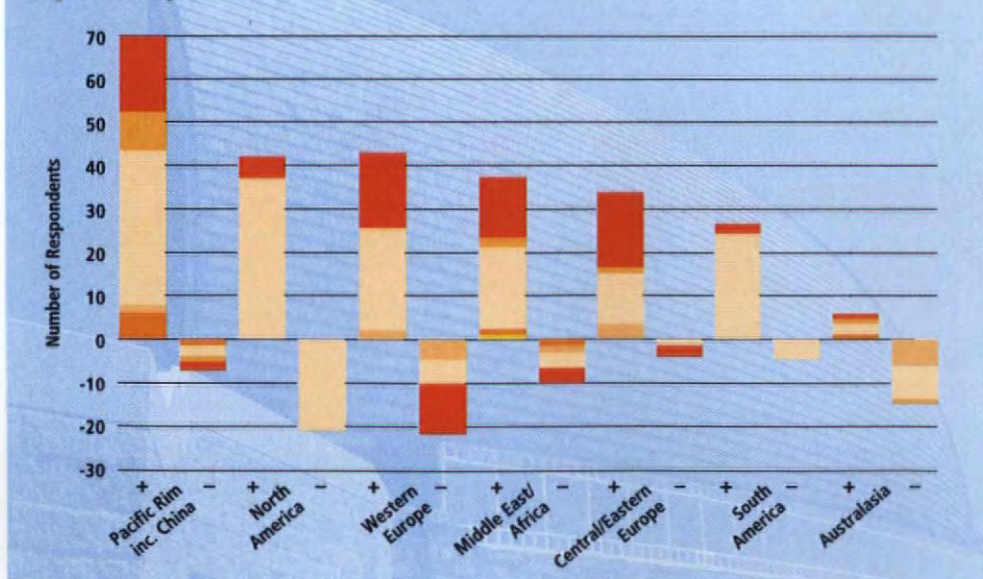
Range of Special Skills Offered



All part of the master-plan

Almost all firms claimed expertise in master-planning, while at the other extreme, only six were looking for work in arbitration. There was a surprising lack of firms offering skills in construction project management.

Regional Projections



KEY

- Respondents in Western Europe
- Respondents in Pacific Rim
- Respondents in North America
- Respondents in Central/Eastern Europe
- Respondents in Australasia
- Respondents in Africa/Middle East
- NONE Respondents in South America

Note This charts expresses the WA250 respondent's opinions about the likely growth in the construction industry of different regions of the world. Each column shows the total positive or total negative respondents for each region. Within each column, different coloured bands show the home region of respondents.

Optimists or pessimists

What is most striking about this graph is how optimists outnumber pessimists in their perception of every region except for Australia. Most respondents are most optimistic about their home region. However, those who were optimistic about South America (and the small number of pessimists) were almost all from North America. Western Europeans were only slightly more optimistic

about Central Europe than about Western Europe. Respondents in Central Europe were optimistic about the region and pessimistic about Western Europe. The Pacific Rim did best because it received broadly positive votes from virtually every region.

Biggest, Fastest, Smartest

WA answers your questions: Who? Which? What? Where? The following charts cover the top 30 WA250 rankings in growth and efficiency, world regions and market sectors.

THE GLOBAL GIANTS: FEE-EARNERS OVER \$40 MILLION

| | | Country (\$m) | Fee range |
|----|---|---------------|-----------|
| 1 | Kajima Design | Japan | 180+ |
| 1 | Nikken Sekkei Ltd | Japan | 180+ |
| 1 | Lockwood Greene Engineers, Inc | USA | 180+ |
| 4 | Daniel, Mann, Johnson & Mendenhall (DMJM) | USA | 140-160 |
| 4 | Kume Sekkei Co, Ltd | Japan | 140-160 |
| 6 | Hellmuth, Obata & Kassabaum, Inc | USA | 120-140 |
| 6 | Heery International | USA | 120-140 |
| 8 | Gensler | USA | 100-120 |
| 8 | The Ellerbe Becket Company | USA | 100-120 |
| 8 | Takamatsu + Lahyani - Architects Associates | Germany | 100-120 |
| 11 | NBBJ | USA | 60-80 |
| 11 | Weidleplan Consulting GmbH | Germany | 60-80 |
| 11 | RTKL International Ltd | USA | 60-80 |
| 11 | FFNS Gruppen AB | Sweden | 60-80 |
| 11 | Leo A Daly | USA | 60-80 |
| 11 | The Smith Group | USA | 60-80 |
| 11 | Kyodo Architects, Planners & Engineers | Japan | 60-80 |
| 18 | Skidmore, Owings & Merrill LLP | USA | 40-60 |
| 18 | HNTB Corporation | USA | 40-60 |
| 18 | Peddle Thorpe Group Architects & Planners Ltd | Hong Kong | 40-60 |
| 18 | Building Design Partnership | UK | 40-60 |
| 18 | Callison Architecture, Inc | USA | 40-60 |
| 18 | Perkins & Will | USA | 40-60 |
| 18 | Kohn Pedersen Fox Associates PC | USA | 40-60 |
| 18 | Zimmer Gunsul Frasca Partnership | USA | 40-60 |
| 18 | Henningson, Durham & Richardson, Inc | USA | 40-60 |
| 18 | The Hillier Group | USA | 40-60 |
| 18 | Ehrlich-Rominger | USA | 40-60 |
| 18 | RSP Architects Planners & Engineers (PTE) Ltd | Singapore | 40-60 |
| 18 | SSOE, Inc | USA | 40-60 |
| 18 | TAMS Consultants, Inc | USA | 40-60 |

Top 30 rankings in growth and efficiency

Multi-disciplinary practices in top five

Fee ranges are lower than last year but perhaps the most noticeable thing about this table is that the giant engineer/architect offices occupy the top five slots – this is perhaps inevitable as fees cited do not distinguish between architectural and engineering income.

| TOP 30 FASTEST-GROWING FIRMS | | Country | Architects | Growth (%) |
|------------------------------|---|-----------|------------|------------|
| 1 | Lockwood Greene Engineers, Inc | USA | 229.0 | 77% |
| 2 | SAA Partnership Pte Ltd | Singapore | 220.0 | 73% |
| 3 | Grupo BAlA SA de CV | Mexico | 120.0 | 63% |
| 4 | Gould Evans Affiliates | USA | 120.0 | 58% |
| 4 | Swanke Hayden Connell Architects, Ltd | USA | 120.0 | 58% |
| 6 | Benoy Limited | UK | 107.0 | 58% |
| 7 | The Kling Lindquist Partnership | USA | 132.0 | 55% |
| 8 | GMW Partnership | UK | 112.0 | 51% |
| 9 | Corgan Associates, Inc | USA | 80.0 | 46% |
| 10 | The Fairhurst Design Group | UK | 55.0 | 42% |
| 11 | RMJM | UK | 268.0 | 41% |
| 12 | Ramirez Vazquez y Asociados, SA de CV | Mexico | 30.0 | 40% |
| 13 | Woods Bagot Pty Ltd | Australia | 175.0 | 34% |
| 14 | HLM Design Ltd | UK | 80.0 | 34% |
| 15 | Prof. Bremmer - Lorenz - Frielinghaus & Partners | Germany | 79.0 | 33% |
| 16 | Narud•Stokke•Wiig | Norway | 44.0 | 32% |
| 17 | Peter Jöhnk / Ransley Jöhnk | Germany | 38.0 | 32% |
| 18 | Perkins & Will | USA | 192.0 | 31% |
| 19 | Building Design Partnership | UK | 225.0 | 30% |
| 20 | Terry Farrell & Partners | UK | 71.0 | 30% |
| 21 | C Y Lee & Partners - Architect & Planner | Taiwan | 90.0 | 28% |
| 22 | AM Partners, Inc | USA | 48.0 | 27% |
| 23 | Zimmer Gunsul Frasca Partnership | USA | 170.0 | 26% |
| 24 | Prof Gerber und Partner | Germany | 50.0 | 26% |
| 25 | Leigh & Orange, Ltd | Hong Kong | 188.0 | 25% |
| 26 | Gruzen Samton Architects, Planners & Interior Designers | USA | 74.0 | 24% |
| 27 | Ehrlich-Rominger | USA | 99.0 | 24% |
| 28 | Eggert & Partners, Freie Architekten und Ingenieure BDA | Germany | 42.0 | 24% |
| 29 | Tengbom gruppen ab | Sweden | 65.0 | 23% |
| 30 | The Ellerbe Becket Company | USA | 279.0 | 23% |

Practice growth rate down this year

The relatively depressed state of the industry in mainland Europe is reflected by the fact that its highest-ranking firm merits only fifteenth place.

| TOP 30 IN FEE GROWTH | | Country | Estimated Fee | Growth (%) |
|----------------------|---|-----------|---------------|------------|
| 1 | AM Partners, Inc | USA | 15.0 | 67% |
| 1 | Hardy Holzman Pfeiffer Associates | USA | 15.0 | 67% |
| 1 | Cecil Denny Highton Partnership | UK | 15.0 | 67% |
| 1 | Kallmann McKinnell & Wood Architects, Inc | USA | 15.0 | 67% |
| 1 | Development Design Group, Inc | USA | 15.0 | 67% |
| 6 | Zimmer Gunsul Frasca Partnership | USA | 50.0 | 60% |
| 6 | Perkins & Will | USA | 50.0 | 60% |
| 6 | Ehrlich-Rominger | USA | 50.0 | 60% |
| 9 | The Smith Group | USA | 70.0 | 43% |
| 10 | Wimberly Allison Tong & Goo | USA | 30.0 | 33% |
| 10 | The Buchan Group | Australia | 30.0 | 33% |
| 10 | Leigh & Orange, Ltd | Hong Kong | 30.0 | 33% |
| 10 | Pei Cobb Freed & Partners | USA | 30.0 | 33% |
| 10 | Kaplan / McLaughlin / Diaz | USA | 30.0 | 33% |
| 10 | Spillis Candela & Partners, Inc | USA | 30.0 | 33% |
| 10 | HLW International, LLP | USA | 30.0 | 33% |
| 10 | Stone Marraccini Patterson | USA | 30.0 | 33% |
| 10 | Thompson, Ventulett, Stainback & Associates, Inc | USA | 30.0 | 33% |
| 10 | FRCH Design Worldwide | USA | 30.0 | 33% |
| 10 | Odell Associates Inc | USA | 30.0 | 33% |
| 10 | Ewing Cole Cherry Brott | USA | 30.0 | 33% |
| 10 | RMJM | UK | 30.0 | 33% |
| 10 | Architekturbüro WGK | Germany | 30.0 | 33% |
| 10 | Flad & Associates | USA | 30.0 | 33% |
| 10 | Henn Architekten Ingenieure | Germany | 30.0 | 33% |
| 10 | Albert Kahn Associates, Inc | USA | 30.0 | 33% |
| 10 | Giffels Associates, Inc | USA | 30.0 | 33% |
| 10 | Woods Bagot Pty Ltd | Australia | 30.0 | 33% |
| 10 | Eggert & Partners, Freie Architekten und Ingenieure BDA | Germany | 30.0 | 33% |
| 10 | Einhorn Yaffee Prescott, Architecture & Engineering PC | USA | 30.0 | 33% |
| 10 | Sasaki Associates, Inc | USA | 30.0 | 33% |
| 10 | White Arkitekter AB | Sweden | 30.0 | 33% |
| 10 | Groupe Archital | France | 30.0 | 33% |

US tops fee growth

Compared with 1996, the pattern of nationalities has been transformed with the US taking 18 of the top 20 places leaving Europe and Asia behind.

TOP 30 IN FEES EARNED PER ARCHITECT (FEES OVER \$20m)

| | | Country | Architects | Fee range (\$m) | Est. fees per architect |
|----|---|-----------|------------|-----------------|-------------------------|
| 1 | Takamatsu + Lahyani - Architects Associates | Germany | 70.0 | 100-120 | 1.57 |
| 2 | TAMS Consultants, Inc | USA | 41.0 | 40-60 | 1.22 |
| 3 | Kyodo Architects, Planners & Engineers | Japan | 65.0 | 60-80 | 1.08 |
| 4 | SSOE, Inc | USA | 48.0 | 40-60 | 1.04 |
| 5 | FRCH Design Worldwide | USA | 29.0 | 20-40 | 1.03 |
| 6 | Heery International Inc | USA | 152.0 | 120-140 | 0.86 |
| 7 | Lockwood Greene Engineers, Inc | USA | 229.0 | 180+ | 0.79 |
| 8 | Eggert & Partners, Freie Architekten und Ingenieure BDA | Germany | 42.0 | 20-40 | 0.71 |
| 8 | Giffels Associates, Inc | USA | 42.0 | 20-40 | 0.71 |
| 8 | The Spector Group | USA | 21.0 | 10-20 | 0.71 |
| 11 | Odell Associates Inc | USA | 44.0 | 20-40 | 0.68 |
| 11 | Cornoyer-Hedrick, Inc | USA | 22.0 | 10-20 | 0.68 |
| 13 | Hardy Holzman Pfeiffer Associates | USA | 25.0 | 10-20 | 0.60 |
| 14 | RSP Architects Planners & Engineers (PTE) Ltd | Singapore | 86.0 | 40-60 | 0.58 |
| 15 | Hassell Pty Ltd | Australia | 52.0 | 20-40 | 0.58 |
| 16 | Groupe Architral | France | 55.0 | 20-40 | 0.55 |
| 16 | Hayes, Seay, Mattern & Mattern, Inc | USA | 55.0 | 20-40 | 0.55 |
| 18 | BSA Design | USA | 28.0 | 10-20 | 0.54 |
| 18 | Schenkel & Shultz, Inc | USA | 28.0 | 10-20 | 0.54 |
| 20 | Kume Sekkei Co, Ltd | Japan | 285.0 | 140-160 | 0.53 |
| 21 | Kanko Kikaku Sekkeisha (Y Shibata & Associates) | Japan | 59.0 | 20-40 | 0.51 |
| 22 | Ehrlich-Rominger | USA | 99.0 | 40-60 | 0.51 |
| 23 | Albert Kahn Associates, Inc | USA | 60.0 | 20-40 | 0.50 |
| 24 | The Hillier Group | USA | 105.0 | 40-60 | 0.48 |
| 25 | Ricardo Bofill - Taller de Arquitectura | Spain | 32.0 | 10-20 | 0.47 |
| 26 | L Robert Kimball & Associates, Inc | USA | 65.0 | 20-40 | 0.46 |
| 27 | Kwan & Associates Architects Ltd | Hong Kong | 33.0 | 10-20 | 0.45 |
| 27 | Hansen Lind Meyer | USA | 66.0 | 20-40 | 0.45 |
| 29 | Watkins Carter Hamilton Architects, Inc | USA | 34.0 | 10-20 | 0.44 |
| 30 | The Smith Group | USA | 160.0 | 60-80 | 0.44 |

German/Japanese phenomenon

Although Takamatsu + Lahyani - Architects Associates reduced its number of architects from 80 to 70, the fee that each one earned advanced from US\$1.5 million to US\$1.57 million.

TOP 30 IN FEES EARNED PER MEMBER OF STAFF (FEES OVER \$10m)

| | | Country | Architects | Fee range (\$m) | Est. fees per staff member |
|----|--|-----------|------------|-----------------|----------------------------|
| 1 | Takamatsu + Lahyani - Architects Associates | Germany | 85.0 | 100-120 | 1.29 |
| 2 | Kyodo Architects, Planners & Engineers | Japan | 80.0 | 60-80 | 0.88 |
| 3 | Eggert & Partners, Freie Architekten und Ingenieure BDA | Germany | 75.0 | 20-40 | 0.40 |
| 4 | Groupe Architral | France | 81.0 | 20-40 | 0.37 |
| 5 | Ricardo Bofill - Taller de Arquitectura | Spain | 50.0 | 10-20 | 0.30 |
| 6 | Zepeda Veraart Arquitectos | Mexico | 30.0 | 5-10 | 0.25 |
| 6 | EMW Eller Maier Walter & Partners, GmbH | Germany | 60.0 | 10-20 | 0.25 |
| 8 | AM Partners, Inc | USA | 62.0 | 10-20 | 0.24 |
| 9 | Stone Marraccini Patterson | USA | 125.0 | 20-40 | 0.24 |
| 9 | Architekturbüro WGK | Germany | 125.0 | 20-40 | 0.24 |
| 11 | The Spector Group | USA | 63.0 | 10-20 | 0.24 |
| 12 | Zimmer Gunsul Frasca Partnership | USA | 215.0 | 40-60 | 0.23 |
| 13 | Rochlin Baran & Balbona Inc | USA | 65.0 | 10-20 | 0.23 |
| 13 | The Stubbins Associates | USA | 65.0 | 10-20 | 0.23 |
| 13 | Kallmann McKinnell & Wood Architects, Inc | USA | 65.0 | 10-20 | 0.23 |
| 16 | Kanko Kikaku Sekkeisha (Y Shibata & Associates) | Japan | 137.0 | 20-40 | 0.22 |
| 17 | Kohn Pedersen Fox Associates PC | USA | 229.0 | 40-60 | 0.22 |
| 18 | Busmann & Haberer GmbH | Germany | 35.0 | 5-10 | 0.21 |
| 18 | Ingenhoven Overdiek und Partner | Germany | 70.0 | 10-20 | 0.21 |
| 18 | Henn Architekten Ingenieure | Germany | 140.0 | 20-40 | 0.21 |
| 21 | Kume Sekkei Co, Ltd | Japan | 706.0 | 140-160 | 0.21 |
| 22 | Ehrlich-Rominger | USA | 240.0 | 40-60 | 0.21 |
| 22 | Timothy Seow Group Architects | Singapore | 72.0 | 10-20 | 0.21 |
| 24 | Pei Cobb Freed & Partners | USA | 145.0 | 20-40 | 0.21 |
| 25 | Watkins Carter Hamilton Architects, Inc | USA | 77.0 | 10-20 | 0.19 |
| 26 | Architekten Werkgemeinschaft | Germany | 40.0 | 5-10 | 0.19 |
| 26 | BWBR Architect, Inc | USA | 80.0 | 10-20 | 0.19 |
| 26 | Kaplan / McLaughlin / Diaz | USA | 160.0 | 20-40 | 0.19 |
| 26 | Lohan Associates | USA | 80.0 | 10-20 | 0.19 |
| 30 | KA, Inc, Architecture (formerly Keva J Kekst Architects) | USA | 82.0 | 10-20 | 0.18 |

Takamatsu + Lahyani lead by 50 percent

Head and shoulders above the competition Takamatsu + Lahyani boast a figure almost half as high again as its closet rival Kyodo Architects.

TOP 30 OVERSEAS EARNERS

| | | Country | Fee range (\$m) | % overseas work | Estimated overseas fees | Home market |
|----|---|-------------|-----------------|-----------------|-------------------------|------------------------|
| 1 | Takamatsu + Lahyani - Architects Associates | Germany | 100-120 | 70% | 77 | Central/Eastern Europe |
| 2 | Hellmuth, Obata & Kassabaum, Inc | USA | 120-140 | 32% | 42 | North America |
| 3 | Kohn Pedersen Fox Associates PC | USA | 40-60 | 75% | 37 | North America |
| 4 | Wimberly Allison Tong & Goo | USA | 20-40 | 90% | 27 | North America |
| 5 | TAMS Consultants, Inc | USA | 40-60 | 50% | 25 | North America |
| 5 | Peddle Thorpe Group Architects & Planners Ltd | Hong Kong | 40-60 | 50% | 25 | Pacific Rim |
| 7 | RTKL International Ltd | USA | 60-80 | 35% | 25 | North America |
| 8 | Heery International Inc | USA | 120-140 | 17% | 22 | North America |
| 9 | Nikken Sekkei Ltd | Japan | 160-180 | 12% | 22 | Pacific Rim |
| 10 | Skidmore, Owings & Merrill LLP | USA | 40-60 | 43% | 21 | North America |
| 11 | Weidleplan Consulting GmbH | Germany | 60-80 | 30% | 21 | Central/Eastern Europe |
| 11 | Pei Cobb Freed & Partners | USA | 20-40 | 70% | 21 | North America |
| 13 | Lockwood Greene Engineers, Inc | USA | 160-180 | 9% | 16 | North America |
| 14 | Gensler | USA | 100-120 | 14% | 15 | North America |
| 14 | The Ellerbe Becket Company | USA | 100-120 | 14% | 15 | North America |
| 16 | Murphy / Jahn, Inc | USA | 10-20 | 95% | 14 | North America |
| 17 | NBBJ | USA | 60-80 | 20% | 14 | North America |
| 18 | AM Partners, Inc | USA | 10-20 | 90% | 14 | North America |
| 19 | RMJM | UK | 20-40 | 40% | 12 | Western Europe |
| 20 | Kajima Design | Japan | 160-180 | 6% | 11 | Pacific Rim |
| 21 | Daniel, Mann, Johnson & Mendenhall (DMJM) | USA | 140-160 | 7% | 11 | North America |
| 21 | Development Design Group, Inc | USA | 10-20 | 70% | 11 | North America |
| 23 | Callison Architecture, Inc | USA | 40-60 | 20% | 10 | North America |
| 24 | Llewelyn-Davies | UK | 10-20 | 62% | 9 | Western Europe |
| 25 | The Hillier Group | USA | 40-60 | 17% | 9 | North America |
| 26 | The Buchan Group | Australia | 20-40 | 25% | 8 | Australasia |
| 26 | Woodhead Firth Lee International | Australia | 20-40 | 25% | 8 | Australasia |
| 26 | Stephenson & Turner Group | New Zealand | 10-20 | 50% | 8 | Australasia |
| 29 | Leo A Daly | USA | 60-80 | 10% | 7 | North America |
| 29 | The Smith Group | USA | 60-80 | 10% | 7 | North America |

Architecture: more global than ever before

With over twice as much overseas work as any other firm, Takamatsu + Lahyani - Architects Associates win hands down.

| TOP 30 IN NORTH AMERICA | | Country | Estimated architects dedicated |
|-------------------------|---|---------|--------------------------------|
| 1 | Gensler | USA | 619.2 |
| 2 | NBBJ | USA | 394.4 |
| 3 | Hellmuth, Obata & Kassabaum, Inc | USA | 383.5 |
| 4 | Daniel, Mann, Johnson & Mendenhall (DMJM) | USA | 325.5 |
| 5 | HNTB Corporation | USA | 304.0 |
| 6 | RTKL International Ltd | USA | 245.7 |
| 7 | The Ellerbe Becket Company | USA | 239.9 |
| 8 | HKS Architects, Inc | USA | 234.0 |
| 9 | Lockwood Greene Engineers, Inc | USA | 208.4 |
| 10 | Skidmore, Owings & Merrill LLP | USA | 200.9 |
| 11 | Perkins & Will | USA | 176.6 |
| 12 | Callison Architecture, Inc | USA | 170.4 |
| 13 | Zimmer Gunsul Frasca Partnership | USA | 163.2 |
| 14 | Anshen + Allen, Architects | USA | 155.3 |
| 15 | Ewing Cole Cherry Brott | USA | 153.9 |
| 16 | Leo A Daly | USA | 150.3 |
| 17 | BSW International | USA | 148.5 |
| 18 | The Smith Group | USA | 144.0 |
| 19 | Cannon | USA | 137.7 |
| 20 | VOA Associates Inc | USA | 136.0 |
| 21 | Sasaki Associates, Inc | USA | 135.0 |
| 22 | HLW International, LLP | USA | 127.9 |
| 23 | Heery International Inc | USA | 126.2 |
| 24 | The Kling Lindquist Partnership | USA | 124.1 |
| 25 | Musil Perkowitz Ruth, Inc | USA | 123.8 |
| 26 | Cooper Carry & Associates, Inc | USA | 119.0 |
| 27 | Vitetta Group | USA | 117.0 |
| 28 | Gould Evans Affiliates | USA | 116.4 |
| 29 | Henningson, Durham & Richardson, Inc | USA | 114.5 |
| 30 | DLR Group | USA | 107.0 |

Top 30 rankings by world regions

US 30, Canada 0

Surprisingly there is not one Canadian firm amongst those that dominate the North American market. Gensler has half as many architects as any other devoted to its home market.



| TOP 30 IN WESTERN EUROPE | | Country | Estimated architects dedicated |
|--------------------------|--------------------------------------|---------|--------------------------------|
| 1 | FFNS Gruppen AB | Sweden | 230.4 |
| 2 | Building Design Partnership | UK | 202.5 |
| 3 | RMJM | UK | 160.8 |
| 4 | White Arkitekter AB | Sweden | 143.0 |
| 5 | Sir Norman Foster & Partners Limited | UK | 138.0 |
| 6 | Atkins Lister Drew Limited | UK | 132.6 |
| 7 | Benoy Limited | UK | 107.0 |
| 8 | KHR AS arkitekter | Denmark | 100.0 |
| 9 | VBB Architects | Sweden | 98.7 |
| 10 | epr architects limited | UK | 96.0 |
| 11 | Sheppard Robson International | UK | 92.7 |
| 12 | Rolfe Judd | UK | 91.0 |
| 13 | Chapman Taylor Partners | UK | 90.3 |
| 14 | GMW Partnership | UK | 84.0 |
| 15 | Aukett Associates | UK | 80.0 |
| 15 | HLM Design Ltd | UK | 80.0 |
| 17 | BDG / McCol | UK | 79.2 |
| 17 | Dissing + Weitling Architects A/S | Denmark | 79.2 |
| 17 | TBV Consult | UK | 79.2 |
| 20 | Broadway Malyan | UK | 77.4 |
| 21 | Cecil Denny Highton Partnership | UK | 76.5 |
| 22 | Thurfjell-Gruppen AB | Sweden | 76.0 |
| 23 | Fitzroy Robinson Limited | UK | 68.0 |
| 23 | PRP Architects Ltd | UK | 68.0 |
| 25 | Richard Rogers Partnership | UK | 67.9 |
| 26 | Niels Torp A/S Arkitekter MNAL | Norway | 67.0 |
| 27 | Renzo Piano Building Workshop | Italy | 66.5 |
| 28 | Tengbom gruppen ab | Sweden | 65.0 |
| 29 | Murphy / Jahn, Inc | USA | 57.9 |
| 30 | The Whinney Mackay Lewis Partnership | UK | 57.0 |

Strong Scandinavian showing

In Western Europe FFNS Gruppen AB dominate, and there are two other Swedish firms in the top ten despite Sweden's recession. Because so much of its work is in Asia, RMJM cede second place to BDP.



| TOP 30 IN SOUTH AMERICA | | Country | Estimated architects dedicated |
|-------------------------|--|---------|--------------------------------|
| 1 | VOA Associates Inc | USA | 30.6 |
| 2 | Grupo BAIA SA de CV | Mexico | 30.0 |
| 3 | Swanke Hayden Connell Architects, Ltd | USA | 12.0 |
| 4 | Spillis Candela & Partners, Inc | USA | 10.2 |
| 5 | Wimberly Allison Tong & Goo | USA | 8.5 |
| 6 | Skidmore, Owings & Merrill LLP | USA | 7.0 |
| 7 | Lockwood Greene Engineers, Inc | USA | 6.9 |
| 8 | Callison Architecture, Inc | USA | 6.4 |
| 9 | Hellmuth, Obata & Kassabaum, Inc | USA | 5.6 |
| 10 | Sasaki Associates, Inc | USA | 4.5 |
| 10 | Brennan Beer Gorman / Architects | USA | 4.5 |
| 12 | TAMS Consultants, Inc | USA | 4.1 |
| 13 | Arrowstreet Inc | USA | 4.0 |
| 13 | Zepeda Veraart Arquitectos | Mexico | 4.0 |
| 15 | RTKL International Ltd | USA | 3.8 |
| 16 | WZMH (Webb Zerafa Menkes Holisden Partnership) | Canada | 3.8 |
| 17 | Gensler | USA | 3.6 |
| 18 | Loebl Schlossman & Hackl - Hague Richards | USA | 3.5 |
| 19 | Peckham Guyton Albers & Viets, Inc (PGAV) | USA | 3.4 |
| 20 | Albert Kahn Associates, Inc | USA | 3.0 |
| 21 | The Ellerbe Becket Company | USA | 2.8 |
| 22 | Niles Bolton Associates, Inc | USA | 2.8 |
| 23 | Kaplan / McLaughlin / Diaz | USA | 2.6 |
| 24 | Giffels Associates, Inc | USA | 2.1 |
| 25 | 3D / International, Inc | USA | 2.1 |
| 26 | Heery International Inc | USA | 1.5 |
| 27 | BSW International | USA | 1.5 |
| 28 | SSOE, Inc | USA | 1.4 |
| 29 | The Kling Lindquist Partnership | USA | 1.3 |
| 30 | Thompson, Ventulett, Stainback & Associates, Inc | USA | 1.1 |

US firm number one in South America

South America is growing in importance. This year the top firm has 30 architects working in this region – twice as many as BSW International did last year.



| TOP 30 IN CENTRAL/EASTERN EUROPE | | Country | Estimated architects dedicated |
|----------------------------------|---|---------|--------------------------------|
| 1 | Weidleplan Consulting GmbH | Germany | 266.0 |
| 2 | von Gerkan, Marg und Partner | Germany | 199.5 |
| 3 | Henn Architekten Ingenieure | Germany | 128.0 |
| 4 | Architekten Schweger + Partner | Germany | 110.0 |
| 5 | Architekturbüro WGK | Germany | 105.0 |
| 6 | Prof Bremmer - Lorenz - Frielinghaus & Partners | Germany | 79.0 |
| 7 | KMSP (Kaplan Matze Schöler + Partner) Architekten BDA | Germany | 74.0 |
| 8 | Heinle, Wischer und Partner, Freie Architekten | Germany | 65.0 |
| 9 | AS&P - Albert Speer & Partner GmbH | Germany | 60.0 |
| 10 | EMW Eller Maier Walter & Partners, GmbH | Germany | 50.0 |
| 11 | Architekturbüro Michael Weindel | Germany | 45.0 |
| 12 | Eggert & Partners, Freie Architekten und Ingenieure BDA | Germany | 42.0 |
| 13 | Ingenhoven Overdiek und Partner | Germany | 40.0 |
| 13 | Steffen + Peter, Architekten BDA | Germany | 40.0 |
| 15 | Peter Jöhnk / Ransley Jöhnk | Germany | 38.0 |
| 16 | Nikken Sekkei Ltd | Japan | 35.1 |
| 17 | Karres-Hartmeyer-Dreyer & Partner | Germany | 35.0 |
| 18 | Rauh•Damm•Stiller Partner | Germany | 34.0 |
| 19 | Architekten Werkgemeinschaft | Germany | 28.5 |
| 20 | Busmann & Haberer GmbH | Germany | 25.0 |
| 21 | Hellmuth, Obata & Kassabaum, Inc | USA | 22.6 |
| 22 | Building Design Partnership | UK | 22.5 |
| 23 | Takamatsu + Lahyani - Architects Associates | Germany | 21.0 |
| 24 | Chapman Taylor Partners | UK | 19.4 |
| 25 | Gensler | USA | 14.4 |
| 26 | RMJM | UK | 13.4 |
| 27 | Alsop & Störmer | UK | 12.5 |
| 28 | epr architects limited | UK | 12.0 |
| 28 | Fitzroy Robinson Limited | UK | 12.0 |
| 30 | RHWL Partnership | UK | 10.7 |

Germans in control

As expected, German firms dominate Central Europe, but there is a strong showing from British firms at the lower end of the chart.



TOP 30 IN AFRICA & THE MIDDLE EAST

| | | Country | Estimated architects dedicated |
|----|--|--------------|--------------------------------|
| 1 | Arch Center, Consulting, Architects & Engineers | Saudi Arabia | 45.0 |
| 2 | Wimberly Allison Tong & Goo | USA | 32.3 |
| 3 | John R Harris Partnership | UK | 31.9 |
| 4 | Weidleplan Consulting GmbH | Germany | 30.4 |
| 5 | Osmond Lange Mosienyane Architects & Planners | South Africa | 27.0 |
| 5 | GAPP Architects & Urban Designers | South Africa | 27.0 |
| 7 | RMJM | UK | 26.8 |
| 8 | HLW International, LLP | USA | 26.2 |
| 9 | RTKL International Ltd | USA | 22.7 |
| 10 | Takamatsu + Lahyani - Architects Associates | Germany | 21.0 |
| 11 | Nikken Sekkei Ltd | Japan | 20.0 |
| 12 | Mohamed Salahuddin Consulting Engineering Bureau | Bahrain | 20.0 |
| 13 | Sir Norman Foster & Partners Limited | UK | 18.4 |
| 14 | Development Design Group, Inc | USA | 18.2 |
| 15 | John Seifert Architects | UK | 16.3 |
| 16 | Cannon | USA | 16.2 |
| 17 | Samark Architecture & Design | Sweden | 16.0 |
| 18 | Daniel, Mann, Johnson & Mendenhall (DMJM) | USA | 14.0 |
| 19 | Jung / Brannen Associates, Inc | USA | 13.6 |
| 20 | Hellmuth, Obata & Kassabaum, Inc | USA | 11.3 |
| 21 | Skidmore, Owings & Merrill LLP | USA | 10.9 |
| 22 | von Gerkan, Marg und Partner | Germany | 10.5 |
| 23 | Dissing + Weitling Architects A/S | Denmark | 9.9 |
| 24 | Broadway Malyan | UK | 8.6 |
| 25 | Atkins Lister Drew Limited | UK | 7.8 |
| 26 | Norman & Dawbarn Ltd | UK | 7.5 |
| 26 | WZMH (Webb Zerafa Menkes Holisden Partnership) | Canada | 7.5 |
| 28 | Leo A Daly | USA | 6.7 |
| 29 | Chapman Taylor Partners | UK | 6.5 |
| 30 | Callison Architecture, Inc | USA | 6.4 |

All change in Africa

In Africa and Saudi Arabia last year's winner, Mohamed Salahuddin of Bahrain, has dropped dramatically – to only 20 architects working in the region (from 90 last year).



TOP 30 IN THE PACIFIC RIM

| | | Country | Estimated architects dedicated |
|----|--|-----------|--------------------------------|
| 1 | Kajima Design | Japan | 609.1 |
| 2 | Nikken Sekkei Ltd | Japan | 440.9 |
| 3 | Kume Sekkei Co, Ltd | Japan | 279.3 |
| 4 | SAA Partnership Pte Ltd | Singapore | 220.0 |
| 5 | Leigh & Orange, Ltd | Hong Kong | 169.2 |
| 6 | Peddle Thorpe Group Architects & Planners Ltd | Hong Kong | 150.0 |
| 7 | Naniwa Consultants International | Japan | 132.0 |
| 8 | Kohn Pedersen Fox Associates PC | USA | 102.0 |
| 9 | Wong Tung & Partners Limited | Hong Kong | 100.0 |
| 9 | DP Architects PTE Ltd | Singapore | 100.0 |
| 11 | Dennis Lau & Ng Chun Man Architects & Engineers (H.K.) Ltd | Hong Kong | 97.0 |
| 12 | Wimberly Allison Tong & Goo | USA | 95.2 |
| 13 | Skidmore, Owings & Merrill LLP | USA | 94.5 |
| 14 | C Y Lee & Partners - Architect & Planner | Taiwan | 90.0 |
| 15 | NBBJ | USA | 88.7 |
| 16 | Hellmuth, Obata & Kassabaum, Inc | USA | 84.6 |
| 17 | RSP Architects Planners & Engineers (PTE) Ltd | Singapore | 81.7 |
| 18 | Cox Architects & Planners | Australia | 80.0 |
| 19 | Sir Norman Foster & Partners Limited | UK | 69.0 |
| 20 | RMJM | UK | 67.0 |
| 21 | The Buchan Group | Australia | 66.8 |
| 22 | Kyodo Architects, Planners & Engineers | Japan | 65.0 |
| 23 | Smallwood, Reynolds, Stewart & Associates, Inc | USA | 60.8 |
| 24 | Timothy Seow Group Architects | Singapore | 60.0 |
| 25 | RTKL International Ltd | USA | 56.7 |
| 26 | Kanko Kikaku Sekkeisha (Y Shibata & Associates) | Japan | 53.1 |
| 27 | RDC Architects Pte Ltd | Singapore | 52.0 |
| 28 | Simon Kwan & Associates Limited | Hong Kong | 50.0 |
| 29 | Woodhead Firth Lee International | Australia | 46.1 |
| 30 | McKerrel Lynch | Australia | 45.6 |

Japan makes its mark

In the Pacific Rim the mix is much as last year, with the notable growth of Japanese firms in the area.



TOP 30 IN AUSTRALIA

| | | Country | Estimated architects dedicated |
|----|---|-------------|--------------------------------|
| 1 | The Buchan Group | Australia | 200.3 |
| 2 | Woods Bagot Pty Ltd | Australia | 175.0 |
| 3 | Peddle Thorpe Group Architects & Planners Ltd | Hong Kong | 150.0 |
| 4 | Woodhead Firth Lee International | Australia | 144.0 |
| 5 | Cox Architects & Planners | Australia | 120.0 |
| 6 | HBO & EMTB Pty Ltd | Australia | 104.0 |
| 7 | JASMAX Architects Ltd | New Zealand | 53.2 |
| 8 | Hassell Pty Ltd | Australia | 41.6 |
| 9 | Lend Lease Design Group Limited | Australia | 40.9 |
| 10 | Thomson Adsett Architects | Australia | 39.7 |
| 11 | Allen Jack + Cottier Architects | Australia | 34.0 |
| 12 | Synman Justin Bialek Architects | Australia | 32.0 |
| 13 | McKerrel Lynch | Australia | 30.4 |
| 14 | Stephenson & Turner Group | New Zealand | 25.0 |
| 15 | Roger J Thrum & Associates Pty Ltd | Australia | 20.0 |
| 15 | B + N Retail Group Pty Ltd | Australia | 20.0 |
| 17 | Leigh & Orange, Ltd | Hong Kong | 18.8 |
| 18 | The Ellerbe Becket Company | USA | 16.7 |
| 19 | RTKL International Ltd | USA | 7.6 |
| 20 | Lockwood Greene Engineers, Inc | USA | 6.9 |
| 21 | Zimmer Gunsul Frasca Partnership | USA | 6.8 |
| 22 | Chapman Taylor Partners | UK | 6.5 |
| 23 | Kanko Kikaku Sekkeisha (Y Shibata & Associates) | Japan | 5.9 |
| 24 | Hellmuth, Obata & Kassabaum, Inc | USA | 5.6 |
| 25 | The Hillier Group | USA | 5.3 |
| 26 | Kume Sekkei Co, Ltd | Japan | 5.2 |
| 27 | WZMH (Webb Zerafa Menkes Holisden Partnership) | Canada | 3.8 |
| 28 | RHWL Partnership | UK | 3.6 |
| 29 | VOA Associates Inc | USA | 3.4 |
| 30 | The Smith Group | USA | 3.2 |

A good year in Australia

There are now enough firms working in Australasia to make up a top 30, due to impressive fee growth in the area.



TOP 30 IN SPORTS BUILDINGS

| | | Country | Estimated architects dedicated |
|----|---|-------------|--------------------------------|
| 1 | The Ellerbe Becket Company | USA | 69.8 |
| 2 | Cox Architects & Planners | Australia | 60.0 |
| 3 | NBBJ | USA | 54.2 |
| 4 | Hellmuth, Obata & Kassabaum, Inc | USA | 50.8 |
| 5 | HKS Architects, Inc | USA | 26.0 |
| 6 | Kume Sekkei Co, Ltd | Japan | 22.5 |
| 7 | HNTB Corporation | USA | 21.3 |
| 8 | Nikken Sekkei Ltd | Japan | 20.0 |
| 9 | Rosser International, Inc | USA | 19.6 |
| 10 | Weidleplan Consulting GmbH | Germany | 19.0 |
| 11 | Ewing Cole Cherry Brott | USA | 17.1 |
| 12 | Cannon | USA | 16.2 |
| 13 | Peddle Thorpe Group Architects & Planners Ltd | Hong Kong | 15.0 |
| 13 | Sasaki Associates, Inc | USA | 15.0 |
| 15 | Naniwa Consultants International | Japan | 13.2 |
| 16 | Sir Norman Foster & Partners Limited | UK | 11.5 |
| 17 | Building Design Partnership | UK | 11.3 |
| 18 | Architekten Schweger + Partner | Germany | 11.0 |
| 19 | DLR Group | USA | 10.7 |
| 20 | KHR AS arkitekter | Denmark | 10.0 |
| 21 | Leigh & Orange, Ltd | Hong Kong | 9.4 |
| 22 | Atkins Lister Drew Limited | UK | 7.8 |
| 23 | Odell Associates Inc | USA | 6.6 |
| 24 | HBO & EMTB Pty Ltd | Australia | 6.5 |
| 25 | Chapman Taylor Partners | UK | 6.5 |
| 26 | Prof Bremmer - Lorenz - Frielinghaus & Partners | Germany | 6.3 |
| 27 | Heery International Inc | USA | 6.1 |
| 28 | John R Harris Partnership | UK | 5.8 |
| 29 | JASMAX Architects Ltd | New Zealand | 5.6 |
| 30 | VBB Architects | Sweden | 5.3 |

Top 30 rankings by market sector

Japan moves into the great outdoors

Sports as a market inevitably merges with leisure and recreation. Arguably, both an athletics stadium and a country club with golf course fall into the category, hence, the presence of two Japanese firms in the top ten.

| TOP 30 IN BUSINESS PARKS | | Country | Estimated architects dedicated |
|--------------------------|---|-----------|--------------------------------|
| 1 | Gensler | USA | 468.0 |
| 2 | Hellmuth, Obata & Kassabaum, Inc | USA | 287.6 |
| 3 | Skidmore, Owings & Merrill LLP | USA | 227.5 |
| 4 | Kohn Pedersen Fox Associates PC | USA | 133.0 |
| 5 | Nikken Sekkei Ltd | Japan | 115.2 |
| 6 | Swanke Hayden Connell Architects, Ltd | USA | 96.0 |
| 7 | HNTB Corporation | USA | 91.2 |
| 8 | Kajima Design | Japan | 84.2 |
| 9 | GMW Partnership | UK | 76.2 |
| 10 | NBBJ | USA | 74.0 |
| 11 | HLW International, LLP | USA | 70.5 |
| 12 | RMW Architecture & Design | USA | 60.0 |
| 13 | Rolfe Judd | UK | 59.2 |
| 14 | BDG / McColl | UK | 54.0 |
| 15 | Kume Sekkei Co, Ltd | Japan | 53.6 |
| 16 | HKS Architects, Inc | USA | 52.0 |
| 17 | epr architects limited | UK | 50.4 |
| 18 | Fitzroy Robinson Limited | UK | 48.0 |
| 19 | Peddle Thorpe Group Architects & Planners Ltd | Hong Kong | 45.0 |
| 19 | Sasaki Associates, Inc | USA | 45.0 |
| 21 | Pei Cobb Freed & Partners | USA | 43.6 |
| 22 | Callison Architecture, Inc | USA | 42.6 |
| 23 | The Ellerbe Becket Company | USA | 41.9 |
| 24 | Murphy / Jahn, Inc | USA | 40.1 |
| 25 | Aukett Associates | UK | 40.0 |
| 26 | von Gerkan, Marg und Partner | Germany | 39.9 |
| 27 | Tengbom gruppen ab | Sweden | 39.0 |
| 28 | Building Design Partnership | UK | 38.3 |
| 29 | Studios Architecture | USA | 38.2 |
| 30 | The Whinney Mackay Lewis Partnership | UK | 36.0 |

SOM deprived

This year Gensler and HOK have come out of nowhere to deprive SOM of its crown in the area of business parks.

| TOP 30 IN RETAIL | | Country | Estimated architects dedicated |
|------------------|--|-----------|--------------------------------|
| 1 | The Buchan Group | Australia | 144.2 |
| 2 | BSW International | USA | 142.5 |
| 3 | RTKL International Ltd | USA | 139.9 |
| 4 | Callison Architecture, Inc | USA | 117.2 |
| 5 | Musil Perkowitz Ruth, Inc | USA | 113.8 |
| 6 | Benoy Limited | UK | 85.6 |
| 7 | Gensler | USA | 64.8 |
| 8 | Building Design Partnership | UK | 58.5 |
| 9 | KKE Architects | USA | 48.0 |
| 9 | Gould Evans Affiliates | USA | 48.0 |
| 11 | Hellmuth, Obata & Kassabaum, Inc | USA | 45.1 |
| 12 | Development Design Group, Inc | USA | 41.0 |
| 13 | Weidleplan Consulting GmbH | Germany | 38.0 |
| 14 | Thompson, Ventulett, Stainback & Associates, Inc | USA | 33.0 |
| 15 | Chapman Taylor Partners | UK | 32.3 |
| 16 | Arrowstreet Inc | USA | 32.0 |
| 17 | Nikken Sekkei Ltd | Japan | 30.1 |
| 18 | Peddle Thorpe Group Architects & Planners Ltd | Hong Kong | 30.0 |
| 19 | NBBJ | USA | 29.6 |
| 20 | Petroff Partnership Architects | Canada | 28.0 |
| 21 | Elkus / Manfredi Architects Ltd | USA | 27.9 |
| 22 | Lyons + Sleeman + Hoare | UK | 27.0 |
| 23 | RMJM | UK | 26.8 |
| 24 | KA, Inc, Architecture (formerly Keva J Kekst Architects) | USA | 26.4 |
| 25 | FRCH Design Worldwide | USA | 25.5 |
| 26 | Cooper Carry & Associates, Inc | USA | 23.3 |
| 27 | Nadel Architects, Inc | USA | 22.4 |
| 28 | Lewis & Hickey | UK | 22.1 |
| 29 | Chetwood Associates Limited | UK | 21.6 |
| 30 | KHR AS arkitekter | Denmark | 20.0 |

Australian boom

In the retail sector, the Buchan Group have been able to exploit Australia's retail boom to emerge as leaders. Benoy Ltd, the UK's leading retail architects, have made an impressive advance to become ninth overall.

TOP 30 IN DISTRIBUTION

| | | Country | Estimated architects dedicated |
|----|---|--------------|--------------------------------|
| 1 | Kajima Design | Japan | 103.7 |
| 2 | Groupe Architral | France | 36.3 |
| 3 | Nikken Sekkei Ltd | Japan | 25.1 |
| 4 | Chetwood Associates Limited | UK | 18.9 |
| 5 | Graeber, Simmons & Cowan, Inc | USA | 10.3 |
| 6 | Woodhead Firth Lee International | Australia | 9.6 |
| 7 | Smallwood, Reynolds, Stewart, Stewart & Associates, Inc | USA | 7.6 |
| 8 | Peddle Thorpe Group Architects & Planners Ltd | Hong Kong | 7.5 |
| 9 | Heery International Inc | USA | 6.1 |
| 10 | RDC Architects Pte Ltd | Singapore | 5.2 |
| 11 | GHM Group / GHM Rock Townsend | UK | 5.1 |
| 12 | Lewis & Hickey | UK | 4.9 |
| 13 | Rolfe Judd | UK | 4.6 |
| 14 | The Barton Willmore Partnership | UK | 4.4 |
| 15 | Temple Cox Nicholls Architects | UK | 4.3 |
| 16 | von Gerkan, Marg und Partner | Germany | 4.2 |
| 17 | Hamilton Associates Architects Ltd | UK | 4.0 |
| 18 | ORMROD & Partners | UK | 3.7 |
| 19 | Scott Brownrigg & Turner Ltd | UK | 3.4 |
| 20 | Leo A Daly | USA | 3.3 |
| 21 | HLM Design Ltd | UK | 3.2 |
| 22 | The Fairhurst Design Group | UK | 2.8 |
| 23 | Osmond Lange Mosienyane Architects & Planners | South Africa | 2.2 |
| 24 | Sheppard Robson International | UK | 2.1 |
| 25 | DEGW International Ltd | UK | 2.0 |
| 26 | SSOE, Inc | USA | 1.9 |
| 27 | RSP Architects Planners & Engineers (PTE) Ltd | Singapore | 1.7 |
| 28 | BSW International | USA | 1.5 |
| 29 | Cornoyer-Hedrick, Inc | USA | 1.1 |
| 30 | Dissing + Weitzling Architects A/S | Denmark | 1.0 |

Sit up and take note

In distribution many of the leading names are not so well known – after all, not many warehouse developments make the front page.

TOP 30 IN INDUSTRIAL

| | | Country | Estimated architects dedicated |
|----|---|-----------|--------------------------------|
| 1 | Kajima Design | Japan | 324.0 |
| 2 | Lockwood Greene Engineers, Inc | USA | 68.7 |
| 3 | Weidleplan Consulting GmbH | Germany | 57.0 |
| 4 | FFNS Gruppen AB | Sweden | 55.2 |
| 5 | Grupo BAIA SA de CV | Mexico | 48.0 |
| 6 | Peddle Thorpe Group Architects & Planners Ltd | Hong Kong | 45.0 |
| 7 | Ehrlich-Rominger | USA | 34.7 |
| 8 | SSOE, Inc | USA | 28.8 |
| 8 | The Smith Group | USA | 28.8 |
| 10 | Henn Architekten Ingenieure | Germany | 25.6 |
| 11 | Albert Kahn Associates, Inc | USA | 24.0 |
| 12 | Daniel, Mann, Johnson & Mendenhall (DMJM) | USA | 21.0 |
| 13 | Harley Ellington Design | USA | 20.3 |
| 14 | Nikken Sekkei Ltd | Japan | 20.0 |
| 15 | Giffels Associates, Inc | USA | 19.7 |
| 16 | Woodhead Firth Lee International | Australia | 19.2 |
| 17 | Leigh & Orange, Ltd | Hong Kong | 18.8 |
| 18 | Building Design Partnership | UK | 18.0 |
| 19 | Nyréns Arkitektkontor AB | Sweden | 16.2 |
| 20 | Atkins Lister Drew Limited | UK | 15.6 |
| 21 | Dissing + Weitzling Architects A/S | Denmark | 14.9 |
| 22 | White Arkitekter AB | Sweden | 14.3 |
| 23 | Heery International Inc | USA | 13.7 |
| 24 | RMJM | UK | 13.4 |
| 25 | Naniwa Consultants International | Japan | 13.2 |
| 26 | Page Southerland Page | USA | 13.0 |
| 27 | Broadway Malyan | UK | 12.9 |
| 28 | Smallwood, Reynolds, Stewart, Stewart & Associates, Inc | USA | 12.2 |
| 29 | Thurfjell-Gruppen AB | Sweden | 12.0 |
| 30 | ORMROD & Partners | UK | 11.6 |

Kajima – Captains of Industry

The industrial sector is where many of the architect/engineering firms come into their own. Once again, Kajima Design is all-conquering, this time with three times the number of architects working in this sector as last year.

| TOP 30 IN RESIDENTIAL | | Country | Estimated architects dedicated |
|-----------------------|---|-------------|--------------------------------|
| 1 | C Y Lee & Partners - Architect & Planner | Taiwan | 63.0 |
| 2 | Weidleplan Consulting GmbH | Germany | 57.0 |
| 3 | Niles Bolton Associates, Inc | USA | 55.2 |
| 4 | PRP Architects Ltd | UK | 54.4 |
| 5 | Wong Tung & Partners Limited | Hong Kong | 50.0 |
| 6 | FFNS Gruppen AB | Sweden | 43.2 |
| 7 | RSP Architects Planners & Engineers (PTE) Ltd | Singapore | 34.4 |
| 8 | von Gerkan, Marg und Partner | Germany | 31.5 |
| 9 | Peddle Thorpe Group Architects & Planners Ltd | Hong Kong | 30.0 |
| 9 | DP Architects PTE Ltd | Singapore | 30.0 |
| 11 | Kajima Design | Japan | 25.9 |
| 12 | Kume Sekkei Co, Ltd | Japan | 24.2 |
| 13 | Timothy Seow Group Architects | Singapore | 24.0 |
| 14 | Smallwood, Reynolds, Stewart, Stewart & Associates, Inc | USA | 22.8 |
| 15 | Synman Justin Bialek Architects | Australia | 22.4 |
| 16 | Architekten Schweger + Partner | Germany | 22.0 |
| 17 | VBB Architects | Sweden | 21.0 |
| 18 | Mangor & Nagel, Arkitektfirma A/S | Denmark | 20.0 |
| 18 | Cox Architects & Planners | Australia | 20.0 |
| 20 | Kyodo Architects, Planners & Engineers | Japan | 19.5 |
| 21 | Leigh & Orange, Ltd | Hong Kong | 18.8 |
| 22 | Broadway Malyan | UK | 17.2 |
| 23 | Kwan & Associates Architects Ltd | Hong Kong | 17.2 |
| 24 | Allen Jack + Cottier Architects | Australia | 17.0 |
| 25 | Que - De La Cruz & Associates | Philippines | 15.8 |
| 26 | RDC Architects Pte Ltd | Singapore | 15.6 |
| 27 | Nikken Sekkei Ltd | Japan | 15.0 |
| 28 | Richard Rogers Partnership | UK | 14.0 |
| 29 | The Buchan Group | Australia | 13.4 |
| 30 | Naniwa Consultants International | Japan | 13.2 |

Ignore at your peril

In the residential sector, architects from the Tiger economies demonstrate what is often overlooked: that the economic boom there has been as much to do with improved housing as anything else.

| TOP 30 IN LEISURE / HOSPITALITY | | Country | Estimated architects dedicated |
|---------------------------------|---|-----------|--------------------------------|
| 1 | Wimberly Allison Tong & Goo | USA | 170.0 |
| 2 | Skidmore, Owings & Merrill LLP | USA | 45.5 |
| 3 | RTKL International Ltd | USA | 37.8 |
| 4 | Gould Evans Affiliates | USA | 36.0 |
| 5 | VOA Associates Inc | USA | 35.7 |
| 6 | The Buchan Group | Australia | 26.7 |
| 7 | Building Design Partnership | UK | 24.8 |
| 8 | Elkus / Manfredi Architects Ltd | USA | 24.3 |
| 9 | The Hillier Group | USA | 21.0 |
| 10 | Ellis Williams Architects | UK | 20.9 |
| 11 | Chapman Taylor Partners | UK | 19.4 |
| 12 | Weidleplan Consulting GmbH | Germany | 19.0 |
| 13 | Atkins Lister Drew Limited | UK | 15.6 |
| 14 | Smallwood, Reynolds, Stewart, Stewart & Associates, Inc | USA | 15.2 |
| 14 | McKerrel Lynch | Australia | 15.2 |
| 16 | Nikken Sekkei Ltd | Japan | 15.0 |
| 17 | Sasaki Associates, Inc | USA | 15.0 |
| 18 | NBBJ | USA | 14.8 |
| 19 | Development Design Group, Inc | USA | 13.7 |
| 20 | Brennan Beer Gorman / Architects | USA | 13.5 |
| 21 | Peckham Guyton Albers & Viets, Inc (PGAV) | USA | 13.4 |
| 22 | Naniwa Consultants International | Japan | 13.2 |
| 23 | HBO & EMTB Pty Ltd | Australia | 13.0 |
| 24 | Richard Rogers Partnership | UK | 11.7 |
| 25 | Kume Sekkei Co, Ltd | Japan | 11.4 |
| 26 | WZMH (Webb Zerafa Menkes Holisden Partnership) | Canada | 11.3 |
| 27 | The Stubbins Associates | USA | 11.0 |
| 28 | Benoy Limited | UK | 10.7 |
| 29 | Callison Architecture, Inc | USA | 10.7 |
| 30 | Graeber, Simmons & Cowan, Inc | USA | 10.3 |

Only one winner

Leisure and hospitality is once again the province of the USA. This time Kajima, second last year, are nowhere to be seen. Nikken Sekkei and Kume Sekkei are new entrants.

| TOP 30 IN HEALTHCARE | | Country | Estimated architects dedicated |
|----------------------|--|-----------|--------------------------------|
| 1 | NBBJ | USA | 167.6 |
| 2 | HKS Architects, Inc | USA | 104.0 |
| 3 | Anshen + Allen, Architects | USA | 88.5 |
| 4 | Ewing Cole Cherry Brott | USA | 77.0 |
| 5 | Perkins & Will | USA | 76.8 |
| 6 | Cannon | USA | 72.9 |
| 7 | White Arkitekter AB | Sweden | 71.5 |
| 8 | Henningson, Durham & Richardson, Inc | USA | 69.0 |
| 9 | The Ellerbe Becket Company | USA | 58.6 |
| 10 | TRO / The Richie Organisation | USA | 58.0 |
| 11 | RTKL International Ltd | USA | 56.7 |
| 12 | Hansen Lind Meyer | USA | 49.5 |
| 13 | Payette Associates, Inc | USA | 44.1 |
| 14 | VOA Associates Inc | USA | 42.5 |
| 15 | Architekturbüro WGK | Germany | 42.0 |
| 16 | Gresham, Smith & Partners | USA | 40.2 |
| 17 | Steffen + Peter, Architekten BDA | Germany | 40.0 |
| 18 | Hellmuth, Obata & Kassabaum, Inc | USA | 39.5 |
| 19 | Kaplan / McLaughlin / Diaz | USA | 39.0 |
| 20 | FFNS Gruppen AB | Sweden | 38.4 |
| 21 | Kume Sekkei Co, Ltd | Japan | 37.3 |
| 22 | Karlsberger Companies | USA | 36.4 |
| 23 | BWBR Architect, Inc | USA | 36.0 |
| 24 | Nikken Sekkei Ltd | Japan | 35.1 |
| 25 | Woods Bagot Pty Ltd | Australia | 35.0 |
| 26 | Zimmer Gunsul Frasca Partnership | USA | 34.0 |
| 27 | Heinle, Wischer und Partner, Freie Architekten | Germany | 32.5 |
| 28 | Stone Marraccini Patterson | USA | 31.5 |
| 28 | Hammel Green and Abrahamson, Inc | USA | 31.5 |
| 28 | Rochlin Baran & Balbona Inc | USA | 31.5 |

No change in healthcare

In healthcare, the leading firms are much as last year except for new entrant Anshen + Allen, who are placed third. This year Sweden has two contenders.

| TOP 30 IN PUBLIC BUILDINGS | | Country | Estimated architects dedicated |
|----------------------------|---|-------------|--------------------------------|
| 1 | RTKL International Ltd | USA | 75.6 |
| 2 | Sir Norman Foster & Partners Limited | UK | 59.8 |
| 3 | Weidleplan Consulting GmbH | Germany | 57.0 |
| 4 | Richard Meier & Partners | USA | 54.0 |
| 5 | HNTB Corporation | USA | 48.6 |
| 6 | Thompson, Ventulett, Stainback & Associates, Inc | USA | 45.1 |
| 7 | Architekturbüro WGK | Germany | 42.0 |
| 7 | Daniel, Mann, Johnson & Mendenhall (DMJM) | USA | 42.0 |
| 9 | Cox Architects & Planners | Australia | 40.0 |
| 10 | Architekten Schweger + Partner | Germany | 27.5 |
| 11 | von Gerkan, Marg und Partner | Germany | 27.3 |
| 12 | Ehrlich-Rominger | USA | 24.8 |
| 13 | The Smith Group | USA | 24.0 |
| 14 | Pei Cobb Freed & Partners | USA | 21.8 |
| 15 | Kume Sekkei Co, Ltd | Japan | 20.2 |
| 16 | Nikken Sekkei Ltd | Japan | 20.0 |
| 17 | DP Architects PTE Ltd | Singapore | 20.0 |
| 18 | Murphy / Jahn, Inc | USA | 17.8 |
| 19 | Terry Farrell & Partners | UK | 17.8 |
| 20 | TBV Consult | UK | 17.6 |
| 21 | Alsop & Störmer | UK | 17.5 |
| 22 | FFNS Gruppen AB | Sweden | 16.8 |
| 22 | JASMAX Architects Ltd | New Zealand | 16.8 |
| 24 | Heery International Inc | USA | 15.2 |
| 25 | Peddle Thorpe Group Architects & Planners Ltd | Hong Kong | 15.0 |
| 25 | Sasaki Associates, Inc | USA | 15.0 |
| 27 | KMSP (Kaplan Matze Schöler + Partner) Architekten BDA | Germany | 14.8 |
| 28 | Richard Rogers Partnership | UK | 14.0 |
| 29 | Takamatsu + Lahyani - Architects Associates | Germany | 14.0 |
| 30 | 3D / International, Inc | USA | 13.8 |

Signature architects sign on

The public buildings table is the inverse of the distribution section. This is where many of the best known names can be found. RTKL take the top spot, with Foster & Partners second.

| TOP 30 IN TRANSPORTATION | | Country | Estimated architects dedicated |
|--------------------------|---|-----------|--------------------------------|
| 1 | Daniel, Mann, Johnson & Mendenhall (DMJM) | USA | 157.5 |
| 2 | Sir Norman Foster & Partners Limited | UK | 92.0 |
| 3 | Lockwood Greene Engineers, Inc | USA | 68.7 |
| 4 | Atkins Lister Drew Limited | UK | 54.6 |
| 5 | Terry Farrell & Partners | UK | 46.2 |
| 6 | HNTB Corporation | USA | 45.6 |
| 7 | Peddle Thorpe Group Architects & Planners Ltd | Hong Kong | 45.0 |
| 8 | KHR AS arkitekt | Denmark | 40.0 |
| 9 | Weidleplan Consulting GmbH | Germany | 38.0 |
| 10 | Leigh & Orange, Ltd | Hong Kong | 37.6 |
| 11 | Gensler | USA | 28.8 |
| 12 | Hellmuth, Obata & Kassabaum, Inc | USA | 28.2 |
| 13 | Skidmore, Owings & Merrill LLP | USA | 28.0 |
| 14 | TAMS Consultants, Inc | USA | 27.1 |
| 15 | Leo A Daly | USA | 26.7 |
| 16 | Woods Bagot Pty Ltd | Australia | 26.3 |
| 17 | HBO & EMTB Pty Ltd | Australia | 26.0 |
| 18 | Corgan Associates, Inc | USA | 24.0 |
| 19 | Grupo BAIA SA de CV | Mexico | 22.8 |
| 20 | Building Design Partnership | UK | 22.5 |
| 21 | Niels Torp A/S Arkitekt MNAL | Norway | 20.1 |
| 22 | Richard Rogers Partnership | UK | 18.7 |
| 23 | Arkitek Maa SDN BHD | Malaysia | 18.0 |
| 23 | BDG / McColl | UK | 18.0 |
| 25 | Murphy / Jahn, Inc | USA | 17.8 |
| 26 | Woodhead Firth Lee International | Australia | 17.3 |
| 27 | Zimmer Gunsul Frasca Partnership | USA | 17.0 |
| 28 | Heery International Inc | USA | 16.7 |
| 29 | Spillis Candela & Partners, Inc | USA | 15.3 |
| 30 | Nikken Sekkei Ltd | Japan | 15.0 |

A competitive market

DMJM are first with over half as many firms again as Foster & Partners, in second place. Most of the projects are public structures, and often subject to competitions. Hence the names are famous and usually well-established.

| TOP 30 IN EDUCATION | | Country | Estimated architects dedicated |
|---------------------|--|---------|--------------------------------|
| 1 | RMJM | UK | 107.2 |
| 2 | The Ellerbe Becket Company | USA | 72.5 |
| 3 | Fanning / Howey Associates, Inc | USA | 68.9 |
| 4 | Einhorn Yaffee Prescott, Architecture & Engineering P.C. | USA | 56.0 |
| 5 | Lockwood Greene Engineers, Inc | USA | 45.8 |
| 6 | Sasaki Associates, Inc | USA | 45.0 |
| 7 | Zimmer Gunsul Frasca Partnership | USA | 42.5 |
| 8 | Kume Sekkei Co, Ltd | Japan | 42.2 |
| 9 | Vitetta Group | USA | 41.0 |
| 10 | Payette Associates, Inc | USA | 39.9 |
| 11 | NBBJ | USA | 39.4 |
| 12 | Kallmann McKinnell & Wood Architects, Inc | USA | 39.2 |
| 13 | Perkins & Will | USA | 38.4 |
| 13 | FFNS Gruppen AB | Sweden | 38.4 |
| 13 | Henn Architekten Ingenieure | Germany | 38.4 |
| 16 | DLR Group | USA | 37.5 |
| 17 | Gould Evans Affiliates | USA | 36.0 |
| 18 | Nikken Sekkei Ltd | Japan | 35.1 |
| 19 | VOA Associates Inc | USA | 34.0 |
| 20 | Cannon | USA | 32.4 |
| 21 | Heery International Inc | USA | 28.9 |
| 22 | White Arkitekter AB | Sweden | 28.6 |
| 23 | Pei Cobb Freed & Partners | USA | 27.3 |
| 24 | HMC Group | USA | 27.2 |
| 25 | Naniwa Consultants International | Japan | 26.4 |
| 26 | Kajima Design | Japan | 25.9 |
| 27 | Anshen + Allen, Architects | USA | 25.7 |
| 28 | The Smith Group | USA | 24.0 |
| 29 | Narud•Stokke•Wiig | Norway | 22.0 |
| 30 | Hammel Green and Abrahamson, Inc | USA | 21.0 |
| 30 | VBB Architects | Sweden | 21.0 |

RMJM lead the field

RMJM, after a particularly good year are unchallenged leaders in the field of education. The list is otherwise dominated by the US.

| TOP 30 IN DEFENCE | | Country | Estimated architects dedicated |
|-------------------|--|-----------|--------------------------------|
| 1 | Lockwood Greene Engineers, Inc | USA | 45.8 |
| 2 | Daniel, Mann, Johnson & Mendenhall (DMJM) | USA | 35.0 |
| 3 | Weidleplan Consulting GmbH | Germany | 19.0 |
| 4 | HNTB Corporation | USA | 18.2 |
| 5 | Woods Bagot Pty Ltd | Australia | 17.5 |
| 6 | Ewing Cole Cherry Brott | USA | 17.1 |
| 7 | Percy Thomas Partnership (Architects) Ltd | UK | 16.6 |
| 8 | The Kling Lindquist Partnership | USA | 13.2 |
| 8 | TBV Consult | UK | 13.2 |
| 10 | HBO & EMTB Pty Ltd | Australia | 13.0 |
| 10 | RDC Architects Pte Ltd | Singapore | 13.0 |
| 12 | epr architects limited | UK | 12.0 |
| 12 | Arrowstreet Inc | USA | 12.0 |
| 14 | EMW Eller Maier Walter & Partners, GmbH | Germany | 10.0 |
| 15 | VOA Associates Inc | USA | 8.5 |
| 15 | Rosser International, Inc | USA | 8.5 |
| 17 | Atkins Lister Drew Limited | UK | 7.8 |
| 18 | Peddle Thorpe Group Architects & Planners Ltd | Hong Kong | 7.5 |
| 19 | Peckham Guyton Albers & Viets, Inc (PGAV) | USA | 6.7 |
| 20 | Hayes, Seay, Mattern & Mattern, Inc | USA | 6.6 |
| 21 | Chapman Taylor Partners | UK | 6.5 |
| 22 | The Buchan Group | Australia | 5.3 |
| 23 | Cecil Denny Highton Partnership | UK | 4.5 |
| 24 | Broadway Malyan | UK | 4.3 |
| 25 | Norman & Dawbarn Ltd | UK | 4.2 |
| 26 | Page Southerland Page | USA | 4.1 |
| 27 | The Barton Willmore Partnership | UK | 4.0 |
| 28 | Woodhead Firth Lee International | Australia | 3.8 |
| 29 | 3D / International, Inc | USA | 3.5 |
| 30 | Heinle, Wischer und Partner, Freie Architekten | Germany | 3.3 |

Defence isn't what it was

In the shrinking defence sector, Lockwood Greene have risen from fourteenth to first place. Percy Thomas Partnership have overtaken TBV Consult to become the UK's leading defence specialist.

| TOP 30 IN RESEARCH & TECHNOLOGY | | Country | Estimated architects dedicated |
|---------------------------------|--|---------|--------------------------------|
| 1 | RMJM | UK | 53.6 |
| 2 | Anshen + Allen, Architects | USA | 50.1 |
| 3 | The Kling Lindquist Partnership | USA | 47.5 |
| 4 | Flad & Associates | USA | 40.0 |
| 5 | Henn Architekten Ingenieure | Germany | 38.4 |
| 6 | NBBJ | USA | 34.5 |
| 7 | Zimmer Gunsul Frasca Partnership | USA | 34.0 |
| 8 | Cannon | USA | 32.4 |
| 9 | Ewing Cole Cherry Brott | USA | 25.7 |
| 10 | HLW International, LLP | USA | 24.6 |
| 11 | Studios Architecture | USA | 24.6 |
| 12 | The Smith Group | USA | 24.0 |
| 13 | Sheppard Robson International | UK | 20.6 |
| 14 | Nikken Sekkei Ltd | Japan | 20.0 |
| 15 | Payette Associates, Inc | USA | 20.0 |
| 16 | Perkins & Will | USA | 19.2 |
| 17 | Weidleplan Consulting GmbH | Germany | 19.0 |
| 18 | Stone Marraccini Patterson | USA | 18.0 |
| 19 | TBV Consult | UK | 17.6 |
| 20 | Hellmuth, Obata & Kassabaum, Inc | USA | 16.9 |
| 21 | Dissing + Weitling Architects A/S | Denmark | 14.9 |
| 22 | Takamatsu + Lahyani - Architects Associates | Germany | 14.0 |
| 23 | The Ellerbe Becket Company | USA | 14.0 |
| 24 | The Fairhurst Design Group | UK | 13.8 |
| 25 | Richard Meier & Partners | USA | 13.5 |
| 26 | The Hillier Group | USA | 12.6 |
| 27 | HLM Design Ltd | UK | 12.0 |
| 28 | Albert Kahn Associates, Inc | USA | 10.8 |
| 29 | Heinle, Wischer und Partner, Freie Architekten | Germany | 9.8 |
| 30 | Giffels Associates, Inc | USA | 9.7 |

A good year for research

In research and technology Kling Lindquist's major new commissions have raised them to third in the league table. The leaders, RMJM, have themselves risen from tenth place last year.

| TOP 30 IN CRIMINAL JUSTICE | | Country | Estimated architects dedicated |
|----------------------------|---|-----------|--------------------------------|
| 1 | Hellmuth, Obata & Kassabaum, Inc | USA | 62.0 |
| 2 | NBBJ | USA | 34.5 |
| 3 | Kaplan / McLaughlin / Diaz | USA | 32.5 |
| 4 | L Robert Kimball & Associates, Inc | USA | 26.0 |
| 4 | HKS Architects, Inc | USA | 26.0 |
| 6 | Vitetta Group | USA | 25.7 |
| 7 | Spillis Candela & Partners, Inc | USA | 20.4 |
| 8 | Cox Architects & Planners | Australia | 20.0 |
| 9 | Ewing Cole Cherry Brott | USA | 17.1 |
| 10 | Zimmer Gunsul Frasca Partnership | USA | 17.0 |
| 10 | Rosser International, Inc | USA | 17.0 |
| 12 | DLR Group | USA | 16.1 |
| 13 | Atkins Lister Drew Limited | UK | 15.6 |
| 14 | Gruzen Samton Architects, Planners & Interior Designers | USA | 14.8 |
| 15 | Henningson, Durham & Richardson, Inc | USA | 13.8 |
| 16 | RMJM | UK | 13.4 |
| 17 | Kohn Pedersen Fox Associates PC | USA | 13.3 |
| 18 | TBV Consult | UK | 13.2 |
| 19 | Heery International Inc | USA | 10.6 |
| 20 | 3D / International, Inc | USA | 10.4 |
| 21 | Graeber, Simmons & Cowan, Inc | USA | 10.3 |
| 22 | EMW Eller Maier Walter & Partners, GmbH | Germany | 10.0 |
| 23 | Hansen Lind Meyer | USA | 9.9 |
| 24 | John Seifert Architects | UK | 9.8 |
| 25 | HLW International, LLP | USA | 8.2 |
| 26 | Schenkel & Shultz, Inc | USA | 8.1 |
| 27 | Weidleplan Consulting GmbH | Germany | 7.6 |
| 27 | Smallwood, Reynolds, Stewart, Stewart & Associates, Inc | USA | 7.6 |
| 29 | The Leonard Parker Associates Architects Inc | USA | 7.3 |
| 30 | HBO & EMTB Pty Ltd | Australia | 6.5 |

US in command

In criminal justice (a new category), it is no surprise that the US dominates. The UK's major prison-building programme has helped to ensure the presence of four British firms in the list.

| TOP 30 IN HOTEL / RESTAURANTS | | Country | Estimated architects dedicated |
|-------------------------------|---|-----------|--------------------------------|
| 1 | Wimberly Allison Tong & Goo | USA | 170.0 |
| 2 | Kanko Kikaku Sekkeisha (Y Shibata & Associates) | Japan | 53.1 |
| 3 | Kajima Design | Japan | 45.4 |
| 4 | HKS Architects, Inc | USA | 39.0 |
| 5 | Woodhead Firth Lee International | Australia | 38.4 |
| 6 | Peddle Thorpe Group Architects & Planners Ltd | Hong Kong | 30.0 |
| 7 | Brennan Beer Gorman / Architects | USA | 27.0 |
| 8 | The Buchan Group | Australia | 26.7 |
| 9 | Peter Jöhnk / Ransley Jöhnk | Germany | 26.6 |
| 10 | GMW Partnership | UK | 24.6 |
| 11 | Smallwood, Reynolds, Stewart, Stewart & Associates, Inc | USA | 22.8 |
| 12 | John Seifert Architects | UK | 22.8 |
| 13 | RTKL International Ltd | USA | 22.7 |
| 14 | Gensler | USA | 21.6 |
| 14 | Grupo BAIA SA de CV | Mexico | 21.6 |
| 16 | Nikken Sekkei Ltd | Japan | 20.0 |
| 17 | Cox Architects & Planners | Australia | 20.0 |
| 18 | NBBJ | USA | 19.7 |
| 19 | Leigh & Orange, Ltd | Hong Kong | 18.8 |
| 20 | Cooper Carry & Associates, Inc | USA | 17.4 |
| 21 | VOA Associates Inc | USA | 17.0 |
| 22 | Niles Bolton Associates, Inc | USA | 14.7 |
| 23 | epr architects limited | UK | 14.4 |
| 24 | RHWL Partnership | UK | 14.2 |
| 25 | Jung / Brannen Associates, Inc | USA | 13.6 |
| 26 | HBO & EMTB Pty Ltd | Australia | 13.0 |
| 27 | Kume Sekkei Co, Ltd | Japan | 12.5 |
| 28 | Sir Norman Foster & Partners Limited | UK | 11.5 |
| 29 | McKerrel Lynch | Australia | 11.4 |
| 30 | Hellmuth, Obata & Kassabaum, Inc | USA | 11.3 |

Something for everyone

In hotels and restaurants, Wimberly Allison Tong & Goo are a towering presence, dedicating over three times as many architects as any other firm. Otherwise the top 10 are fairly eclectic in terms of nationality. Foster & Partners make an intriguing entry at number 28.

The World Architecture Hanscomb Cost Index

The Hanscomb Index is compiled by the Hanscomb group of companies, international construction consultants and project managers. The editors of this series with *World Architecture* are Gary Mardon and Tom Wiggins – in Hanscomb's London and Atlanta offices respectively – who coordinate input from over 70 countries around the globe.

HIGHLIGHTS

The European recovery is lethargic

Construction output is rising slowly. Still, some areas show strong activity. The rebuilding programme in eastern Germany continues to keep German construction active, and an upswing in activity is beginning at last in Scandinavian countries.

Construction in US and Canada on increase

Construction activity in both the US and Canada continues to increase at a steady but unspectacular rate. There are some signs that commercial development may revive as vacancy rates continue to recede. After a long period of decline California and the West are seeing a revival of capital investment. Construction prices are relatively stable.

Asia remains active

The building boom continues in Indonesia with a continuing demand for mixed use developments. There is plenty of activity in the Philippines and Korea. Hong Kong's investment in development continues, fueled by Chinese funds, but the pace of construction is slowing. The construction market in India may experience a brief period of softness as investors wait to see if the new government will change current investment policies.

Boom in Shanghai construction fading

The Shanghai construction boom is starting to fade. Shanghai is about to experience the "Houston Disease". Within the next 12 months a large amount of new office space will add to the current glut of Class A space. The pent up supply of office space will greatly exceed the anticipated demand. Rents are already starting to fall.

Japanese building industry volatile

The anaemic Japanese economy continues to play havoc with the construction industry

where the mood is definitely very pessimistic. The industry in Japan supports 6.5 million workers and a Ministry of Construction forecast suggests this will reduce to 4.5 million in the next five years. Construction prices have fallen as the traditional Japanese contractor-lead practice of design-build in the private sector begins to unravel. Japanese contractors, due to their high-price structure, have not had much success in following their clients overseas as investment moves out of the country for South East Asia, Europe and the US.

INDEX FIGURES

How Hanscomb arrive at index figures

The measurement of price differentials between countries is particularly hazardous and it is important that our readers understand how Hanscomb arrive at their index figures which appear on these pages:

- Construction to "Western" (ie USA/Western Europe) standards at location.
 - Chicago, Illinois, USA is the index base (100) and comparisons are as of July 1996.
 - The index reflects construction at the outskirts of principal cities, not for rural or highly urban locations.
 - The index does not attempt to compare price differentials for highly sophisticated buildings such as hospitals or laboratories, which may show a different pattern of index variation from simpler building types.
 - Exchange rates used to calculate the indexes are as stated.
 - Due to the vagaries of comparing construction prices, an index range is provided.
 - The index reflects differences in construction prices only and excludes any arising from site costs, furnishings and equipment, design and management fees, financing, Value Added Taxes or any other recoverable tax.
- Therefore, we recommend that the Index be considered as a general guideline only and not as a definitive statement.

| | Currency | Exchange Rate to US\$* | Index Range Low | High |
|----------------------------------|----------|------------------------|-----------------|------|
| EUROPE | | | | |
| Austria | Asch | 10.39 | 140 | 162 |
| Belgium | BFr | 30.46 | 139 | 153 |
| Czech | Koruna | 26.62 | 91 | 105 |
| Denmark | Krone | 5.70 | 154 | 170 |
| Finland | Markka | 4.48 | 125 | 138 |
| France | FFr | 5.01 | 131 | 145 |
| Germany | DM | 1.48 | 148 | 164 |
| Great Britain | £ | 0.64 | 113 | 132 |
| Greece | Dr | 236.00 | 112 | 124 |
| Hungary | Forint | 153.00 | 94 | 109 |
| Ireland | Ir£ | 0.62 | 113 | 125 |
| Italy | Lira | 1524.00 | 120 | 133 |
| Netherlands | Guilder | 1.66 | 133 | 147 |
| Norway | Krone | 6.38 | 134 | 148 |
| Poland | Zloty | 2.70 | 96 | 111 |
| Portugal | Escudo | 152.00 | 102 | 113 |
| Russia | US\$ | 1.00 | 105 | 129 |
| Spain | Peseta | 126.00 | 98 | 108 |
| Sweden | Krona | 6.57 | 144 | 159 |
| Switzerland | SFr | 1.20 | 162 | 179 |
| Turkey | Lt | 83236.00 | 72 | 88 |
| NORTH & SOUTH AMERICA | | | | |
| Argentina | Peso | 1.00 | 79 | 97 |
| Bahamas | US\$ | 1.00 | 98 | 114 |
| Brazil | Real | 1.01 | 71 | 87 |
| Canada | US\$ | 1.38 | 80 | 88 |
| Chile | Peso | 410.00 | 78 | 95 |
| Columbia | Peso | 1059.00 | 77 | 93 |
| Jamaica | \$J | 34.00 | 81 | 94 |
| Mexico | Peso | 7.43 | 69 | 80 |
| Panama | US\$ | 1.00 | 76 | 88 |
| Peru | N Sol | 2.44 | 70 | 84 |
| Puerto Rico | US\$ | 1.00 | 91 | 105 |
| United States | US\$ | 1.00 | 95 | 105 |
| Uruguay | Peso | 8.16 | 69 | 84 |

| | Currency | Exchange Rate to US\$* | Index Range Low | High |
|---|----------|------------------------|-----------------|------|
| Virgin Islands | US\$ | 1.00 | 102 | 118 |
| Venezuela | Bolivar | 470.00 | 67 | 82 |
| MIDDLE EAST | | | | |
| Egypt | EE | 3.40 | 78 | 91 |
| Israel | NShekel | 3.17 | 83 | 97 |
| Kuwait | Dinar | 0.30 | 95 | 110 |
| Lebanon | LE | 1567.00 | 85 | 104 |
| Oman | Rial | 0.39 | 90 | 105 |
| Qatar | Riyal | 3.64 | 93 | 108 |
| Saudi Arabia | Riyal | 3.75 | 98 | 114 |
| UAE | Dirham | 3.67 | 100 | 116 |
| AFRICA | | | | |
| Nigeria | Naira | 83.20 | 82 | 95 |
| South Africa | Rand | 4.46 | 80 | 93 |
| Zimbabwe | \$Z | 9.96 | 84 | 97 |
| ASIA & AUSTRALIA | | | | |
| Australia | \$A | 1.27 | 95 | 105 |
| China | R. Yuan | 8.31 | 95 | 129 |
| Hong Kong | \$HK | 7.73 | 132 | 153 |
| India | Rupee | 35.67 | 88 | 102 |
| Indonesia | Rupiah | 2336.00 | 84 | 102 |
| Japan | ¥ | 109.00 | 171 | 199 |
| Malaysia | Ringgit | 2.49 | 80 | 93 |
| New Zealand | \$NZ | 1.43 | 102 | 113 |
| Pakistan | Rupee | 35.40 | 76 | 89 |
| Philippines | Peso | 26.20 | 93 | 108 |
| Singapore | \$S | 1.42 | 117 | 136 |
| South Korea | Won | 814.00 | 102 | 124 |
| Taiwan | \$T | 27.25 | 108 | 125 |
| Thailand | Baht | 25.31 | 78 | 90 |
| Vietnam | Dong | 10970.00 | 88 | 108 |
| * The Index uses exchange rates at July 1996. | | | | |

Price comparison considerations

- Local climatic and seismic design considerations and requirements.
- Variances in codes and regulations and their interpretation. This is particularly true in developing countries where the differences between local standards and "Western" (ie USA/Western Europe) standards are more distinct.
- Labour productivity, availability of skilled labour, restrictions on importation of labour and work permit fees. In some developing countries labour is not familiar with modern

materials and equipment.

- Cultural and social norms vary. This has wide ranging cost implications, such as materials used, building style, configuration and size, and net/gross ratios.
- Impact of local planning authorities on both layout and design.
- Availability of materials and the impact of import duties.
- In developing countries, there is frequently a shortage of "Western" standard mechanical and electrical equipment.
- Variances in taxation policies. For example,

Value Added Taxes vary from country to country and in some instances may be abated in part or in whole.

- Local market conditions, bidding strategies and profit level expectations.
- Inflation rates can vary significantly between countries.
- Differences in acceptable quality levels.
- Availability and reliability of infrastructure.
- Finally, fluctuating currency exchange rates – which have nothing to do with construction – but affect any comparison of prices brought to a level of equivalency.

WA

Consulting the consultants

Once again the same names dominate the rankings. Enginners, consultants, managers and contractors voted into the top three by architects submitting *World Architecture* survey forms. What is it about the world's leading consultants that makes the world's leading architects vote for them year after year. Who better to ask but the consultants themselves?

Top structural engineer and service engineer: Ove Arup

Pride of place goes to Ove Arup & Partners, winners in both structural and service engineer's categories.

Duncan Michael, Chairman of Ove Arup, defines Arup's philosophy: "We set out to do every job perfectly," he says, "and therefore we seek out excellent people to work with. The fact that just about every job achieves less than perfection doesn't stop us trying to do it right next time. We have our own culture which includes excellence and the built environment".

"We are very conscious that you are only as good as your current job, so we don't spend a lot of time patting ourselves on the back. Prizes are pinned to random walls and are displayed personally, not corporately. We have no presumption that next year will be the same. We do not use the achievement of this prize in a survey as a goal in itself."

It's a testament to the contribution that Arup has made to structural engineering that the runner-up, Buro Happold was itself founded by Arup alumni.

Top project/construction managers: Turner Construction

As with the structural and service engineering tables, leadership in the project management and contractor tables goes to just one company, Turner Construction who operate throughout the US and the Caribbean.

Despite the company's pre-eminence its President and CEO, Harold Parmelee – who has been with the company since graduating in 1960 – is genuinely surprised and delighted to have achieved to have been voted the top project/construction managers in WA250.

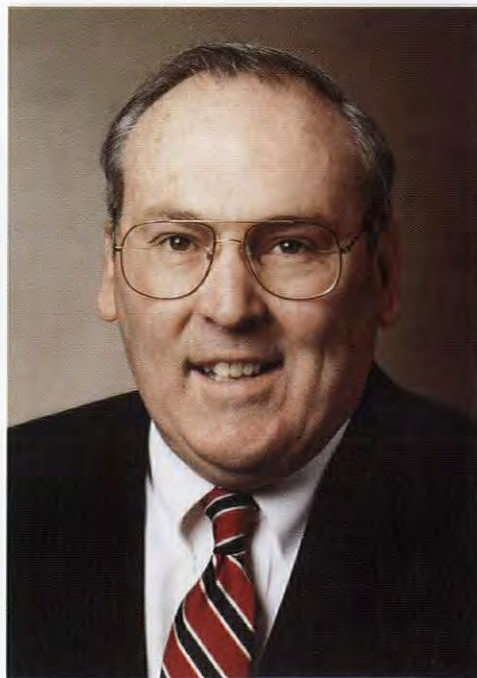
"As a company we feel very privileged to receive this recognition," he says. "I would hope that it relates to our deep interest in working with architects and clients alike, in reflecting our goals and objectives."

Turner are proud of the fact that over 60 percent of their work is repeat business and consider it a good indication of their ability to render the type of service most valued by those who build.

Turner Construction is a partner in the consortium formed to develop Heathrow Airport's



Duncan Michael, Chairman of Ove Arup



Harold Parmelee, President and CEO, Turner Construction

Terminal 5, UK. They are looking to use the expertise gained working in transport projects in the US and the Caribbean where the large distances between states has led to plans for many more airport developments.

Top construction cost consultants: Davis Langdon & Seah International

Occupying a similarly solid position are favourite cost consultants Davis Langdon & Seah International (DLSI). But partner Alistair Collins is not blasé.

"The scale of *World Architecture's* survey is truly international and it is a singular honour for us to have been voted top international cost consultant for the fourth year running."

"We feel that our award is very much a vote of confidence in all the people who make up DLSI," says Collins "and to the people in our colleagues' and clients' organisations, whose mutual support and co-operation combine to create and maintain our world reputation."

"Such dependable support is essential to an international practice such as DLSI, working as we do in world markets which respond to so many differing economic rhythms and influences."

DLSI have seen the UK easing out of deep recession, with the return of private sector investment confidence, and new property developments increasing, whilst the public

sector adapts to new procurement and financing structures, introduced by the Private Finance Initiative and Lottery funding of construction projects. All this while the Asia Pacific markets continue to burgeon, with rapidly emerging markets such as Vietnam and India requiring quick and effective responses from consultants.

Voted top cost consultants in the US: Hanscomb

Second overall and voted first by North American architects is Hanscomb, who celebrate their fiftieth anniversary this year. Brian Bowen, President of Hanscomb Inc thinks that one of the reasons for their success has been the merger of European and North American approaches to cost management – the one solidly based in the meticulous quantity surveying approach, the other drawing on interactive and collaborative team effort.

"I think there is another factor at play here," says Bowen, "the marketplace is becoming increasingly global and Hanscomb has positioned itself ideally to service its clients wherever they may have a project". The company now operates out of 40 offices in 13 countries and has established strategic alliances with compatible organisations in a further 19 countries. Last year the number of countries in which Hanscomb completed

projects rose to 105 with the completion of their first project in Ulan Bator, Mongolia.

In fact, Hanscomb has been particularly successful in providing a range of project management and control services to US, European and Asian multi-nationals as they move around the world. With increasing trends to outsourcing by many companies, Bowen sees continuing growth in this sector world-wide.

"With over half of the Hanscomb Group's business in North America, we are seeing considerable growth and emphasis on our construction project management services. When we first came here, there were no quantity surveyors, so we used the skills and the training we had been given and adapted them to the local construction industry. Without the tyranny of 'Bills of Quantities' it gave us quite a different perspective on the market place." **WA**

FAVORITE CONSULTANTS QUALITY OF SERVICE VOTES

The top 250 practices voted for the best Structural Engineers, Construction Cost Consultants, Service Engineers, Project Managers and Building Contractors which in the opinion of the architects provides the best overall quality of service.

Top 3 Structural Engineers

- 1 Ove Arup
- 2 Oscar Faber
- 3 Buro Happold

Top 3 Construction Cost Consultants

- 1 Davis Langdon & Seah International
- 2 Hanscomb
- 3 Gleeds

Top 3 Service Engineers

- 1 Ove Arup
- 2 Roger Preston International
- 3 Flack & Kurtz

Top 3 Project / Construction Managers

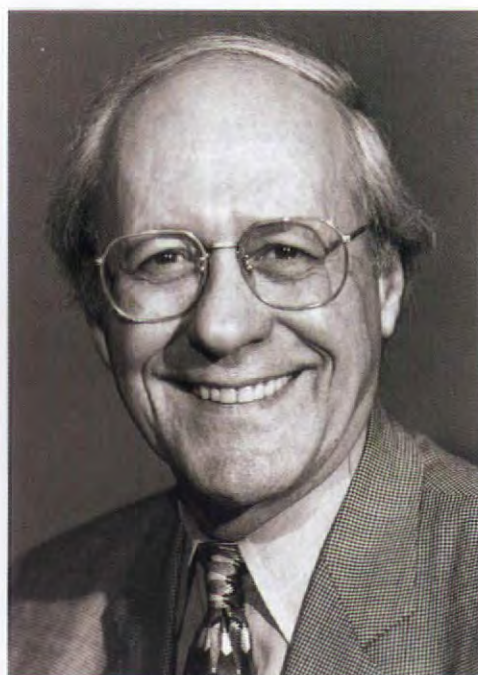
- 1 Turner Construction
- 2 Bovis
- 3 Ove Arup

Top 3 Building Contractors

- 1 Turner Construction
- 2 Laing Construction
- 3 Bovis

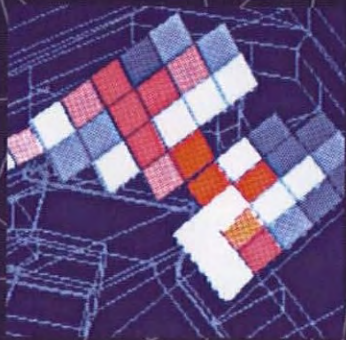


Alistair Collins, Partner of DLSI



Brian Bowen President of Hanscomb

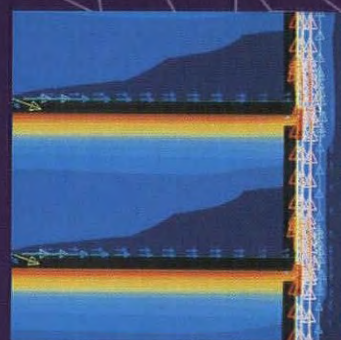
DIGITAL ENGINEERING



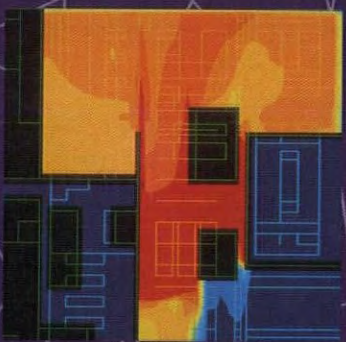
ACOUSTICS



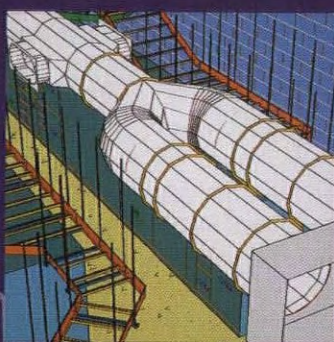
ENVIRONMENTAL



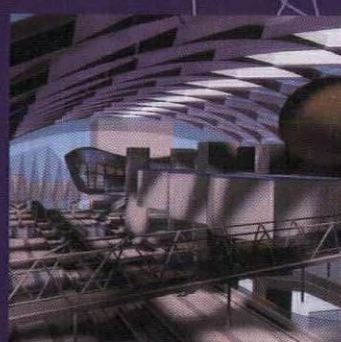
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Flack + Kurtz Consulting Engineers, LLP

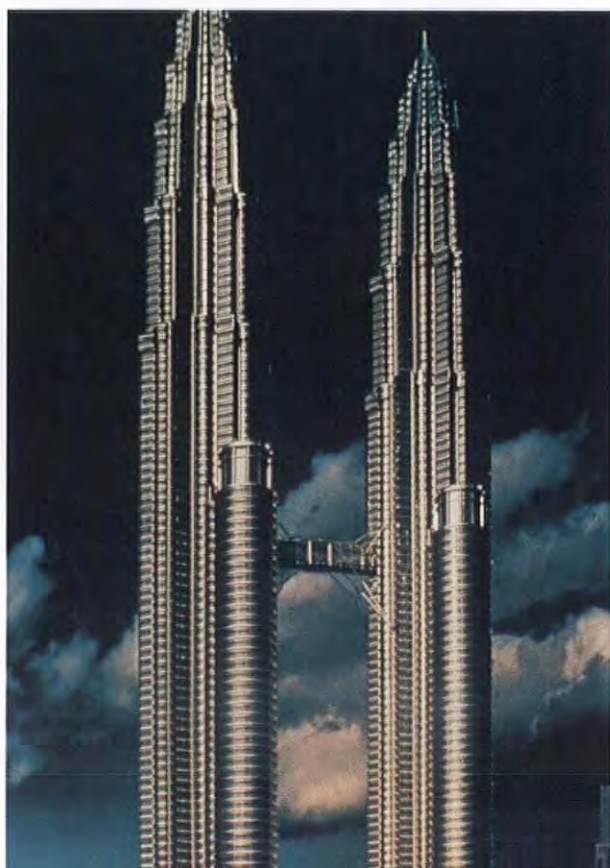
Since its founding in 1969, Flack + Kurtz has established itself as one of the industry's premier international engineering firms. Under the leadership of Peter Flack and Norman Kurtz, the firm has built a solid reputation through its work with many of the world's most prominent corporations, institutions, and architects. The firm provides complete services in **mechanical, electrical, plumbing, fire protection, audiovisual and security systems design, lighting design, and telecommunications**. Flack + Kurtz is also a leader in "sustainable" building design and "intelligent" building engineering applications for tall buildings. The firm has worked on a wide range of facilities, including office buildings, sports arenas, airports, universities, and government complexes. In its worldwide surveys of the past four years, *World Architecture* magazine named Flack + Kurtz one of the top three engineering firms in the world.

A representative list of projects includes: Canary Wharf, Goldman Sachs & Co. UK Headquarters, and Thames Court in **London**; Das Business Center at Checkpoint Charlie in **Berlin**; World Financial Center in **New York City**; World Bank Headquarters in **Washington D.C.**, and Museum of Modern Art, and Main Public Library in **San Francisco**. Flack + Kurtz has designed corporate headquarters for Viacom, JP Morgan and Lucent Technologies in New York, and has worked for such educational institutions as Harvard, Princeton, Yale and Vanderbilt Universities. At present, Flack + Kurtz is completing renovations to Madison Square Garden and Penn Station in New York, as well as completing construction on Fleet Center in **Boston** and United Center in **Chicago**.

Flack + Kurtz is a powerful presence in the emerging Far East and South East Asian markets, particularly in **Malaysia, Korea, China, Hong Kong, Philippines, Indonesia and Thailand**. Project include: Kuala Lumpur City Centre in Malaysia, soon to be the tallest building in the world; corporate headquarters for Samsung, Dacom, Daelim and Sunkyoung in Seoul, Korea; Second International Bangkok Airport in Bangkok, Thailand and Shanghai Stock Exchange in Shanghai, China.



Top Canary Wharf, London. **Centre and above** Goldman Sachs, London. **Left** Kuala Lumpur City Centre, Malaysia



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The 1997 World Survey Profile showcase

Profile showcases are the definitive reference source for global architecture, planning and design expertise.

Profile Entries

Pages 2, 42-87, 96 contain an alphabetical listing of leading international architectural, engineering and design firms. Each entry includes comprehensive information on the history and selected achievements of the firm, their areas of specialisation and the contact locations.

Location Index

For quick reference to the WA250 refer to the index on pages 88-93 which contain contact details for all 250 firms, listed by country, or the alphabetical index on pages 94-95.

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DQ Central Area – Riyadh, OAC award (1990)



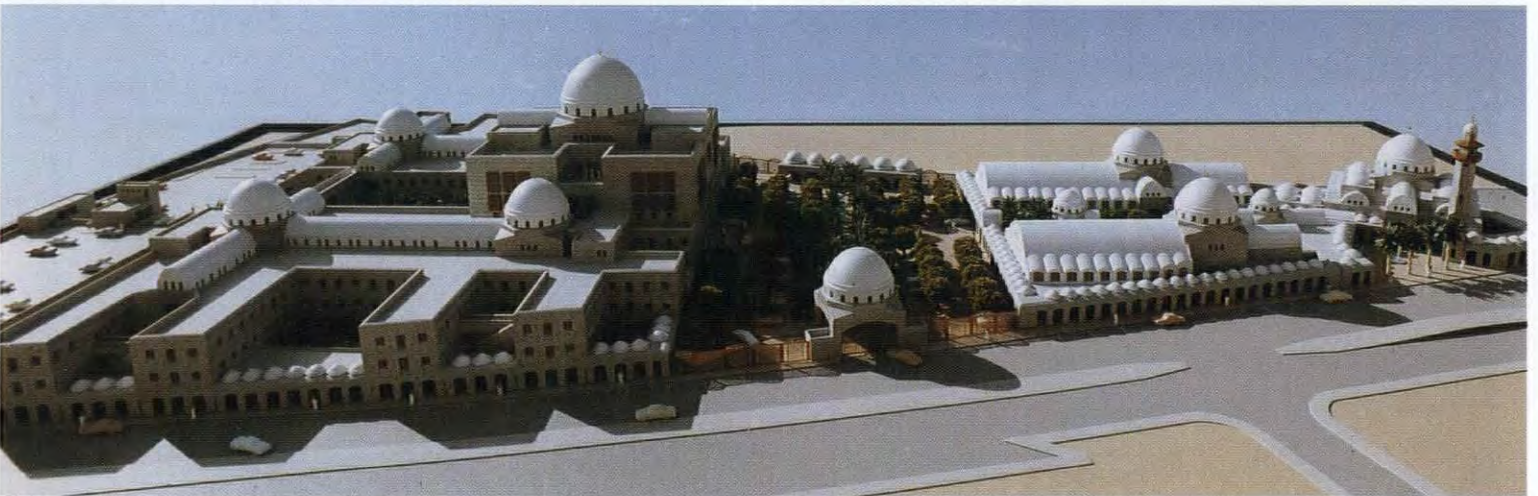
Sapico Tower – Pakistan (1984) First Prize



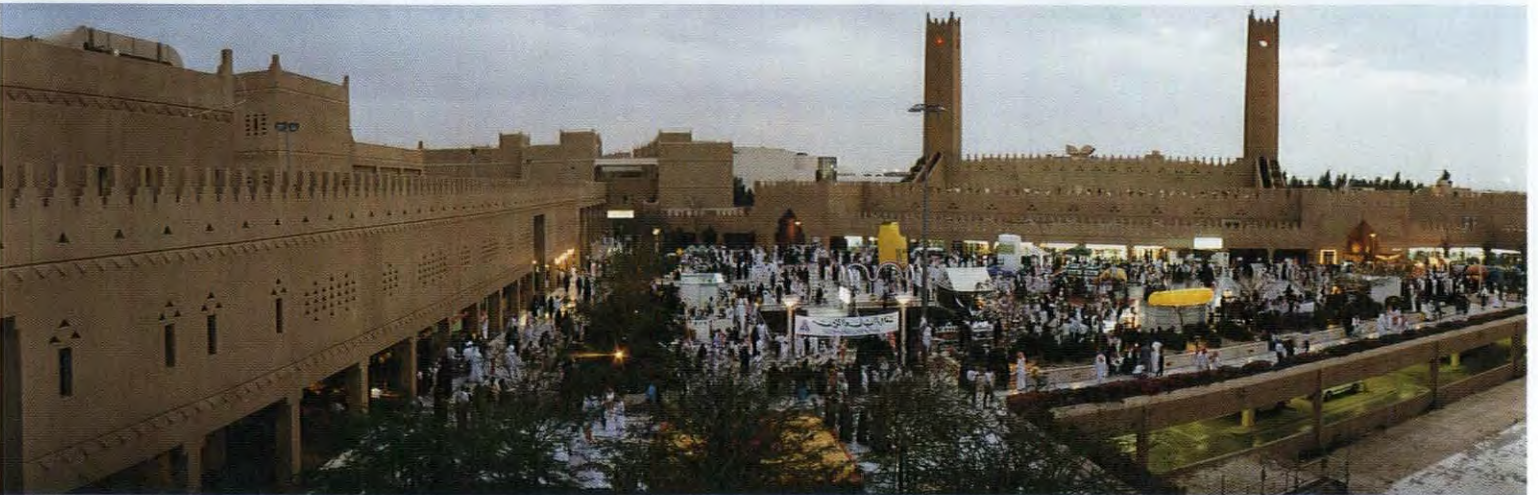
Ministry of Education – Riyadh (1993) First Prize



Science Complex – Riyadh (1987)



Al-Madinah Al-Munawwarah Municipality (1993) First Prize



Sahat Al-Kindy, DQ – Riyadh, Aga Khan Award (1989)

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Practice Profile

Beeah was established by Abdul-Rahman O Hussaini and Ali Shuaibi in 1975. It provides services in planning, design, engineering and construction management for the development of regions and cities; the design of buildings; interior design, and civil works. The projects have been undertaken in ten countries in East Africa, North Africa, the Middle East and South Asia.

Beeah adopted the comprehensive team approach, whereby a team is formulated for each project, from inception to completion. Consequently the bee was chosen as the symbol for company, as the bee works for the benefit of its society.

The practice currently has 170 employees, with over 60 architects. During the last 20 years the practice has been involved in a number of urban and regional planning projects; neighbourhood developments; city centre developments; sports centres; multi-use towers; shopping centres; hotels; museums, and corporate headquarters.

The work of Beeah won a number of international awards including the AgaKhan Award for Architecture in 1989; the Architectural Award of the Organisation of Arab Cities in 1990; the Marm e Macchine Award in 1990, in addition to numerous first prize awards in design competitions.

The practice emphasises the importance of design of vivid spaces, sustainability, social and cultural values, local integration and client/user participation.



Development of Justice Palace District – Riyadh (1980)



Khamis Mushait Central Area Development (1990)



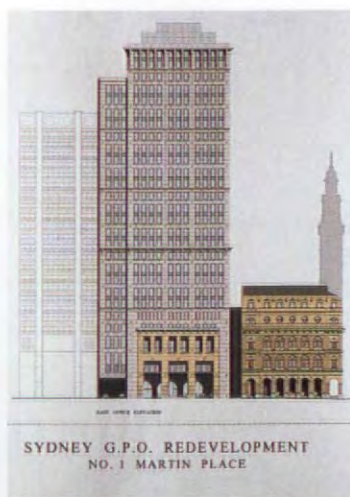
ABHA Central Area Development – ABHA (1987)



Nakheel Housing Development – Riyadh (1992)



Australia on Collins, Melbourne, Victoria



1 Martin Place, Sydney, New south Wales



St George's Square, Perth, WA



Conrad Treasury Casino, Brisbane, Queensland

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Practice Profile

In the past decade the Buchan Group has designed and delivered some of the largest and most successful developments in Australia. Our work has included large-scale mixed-use developments, hotel and tourism projects, office towers, education, civic and institutional facilities, shopping centres and themed leisure and entertainment amenities.

Our network of offices extends across Australia to New Zealand and South East Asia. We provide a total service, including architecture, planning, interior design, graphics and landscape architecture. We have the experience and resources to deliver large and complex projects which achieve the objectives of our clients.

Current and recent projects include

Mixed-use developments:

Australia on Collins, Melbourne

1 Martin Place, Sydney

Southgate, Melbourne

Office developments:

St George's Square, Perth

The Quadrant, Perth

342 Wickham Street, Fortitude Valley, Queensland

Hotels, Resorts, Apartment Towers:

Cable Beach Club, Broome, WA

City Lights Apartments, Perth

Conrad Jupiters Hotel & Casino, Gold Coast, Queensland

Conrad Treasury hotel & Casino, Brisbane

Grand Hyatt Hotel, Sydney

Novotel on Collins, Melbourne

Park Hyatt hotel, Melbourne

Sheraton Towers, Southgate, Melbourne

Health:

Geelong Hospital, Victoria

Kaleeya Private Hospital, Perth

Royal Hospital for Women, Sydney

St John of God Hospital, Geelong, Victoria

St John of God Hospital, Subiaco, WA

South West Health Campus, Bunbury, WA

Education:

Caulfield Grammar School, Melbourne

Centre for Aboriginal Studies, Curtin University, WA

Geelong Grammar School, Victoria

Presbyterian Ladies' College, Perth

University of Notre Dame in Australia, WA

Retail:

Cairns Central, Queensland

Chadstone Shopping Centre, Melbourne

Grand Plaza, Browns Plain, Queensland

Henderson Square, Auckland

Highpoint, Melbourne

Sydney Central Plaza, Sydney

The Mines, Selangor, Malaysia



Bundesbank, Frankfurt am Main, competition



Provinzial Feuersozietät, Münster



Tête Défense, Paris, competition

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Prof Dipl-Ing Harald Deilmann

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Karl-Liebknecht-Str 21
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Key Personnel

Principal: Harald Deilmann

Management Team:

Thomas Deilmann
Peter Junglas
Heinz Leyer
Carl Schagemann
Peter Tormin

Size of Firm

75 employees

Recent Clients

| | |
|--------------------------------|-------------------------------|
| Westd Landesbank | Bundesbauministerium |
| Deutsche Bank | Bauministerium NRW |
| Commerzbank | Stadt Essen |
| Provinzialversicherung AG | Stadt Düsseldorf |
| ECE Projektentwicklung | Dresdner Bank |
| Karstadt AG | RWIVestLB |
| LVA Rheinprovinz | Stadt Münster |
| Philipp Holzmann AG | Allianz Vers AG |
| LVA Brandenburg | Westd Spielbanken GmbH |
| Rhein Sparkassen & Giroverband | Nordwestlotto |
| LVA Sachsen | Finanzministerium Brandenburg |
| Finanzminister Sachsen Anhalt | Ferdinand Probst GmbH |

Practice Profile

The practice was established in 1955, and the Düsseldorf and Potsdam offices were opened in 1973 and 1991 respectively. All three offices maintain high architectural standards, offering full services from project development through to completion and guaranteeing optimum results. Project teams are established and directed by qualified, experienced staff.

Areas of Specialisation

The firm offers overall planning for a wide range of architectural tasks and commissions, including project management, cost control and quantity surveying. The firm specialises in masterplanning, urban design and renewal, and interior design.

Additional Information

The practice works in close cooperation with specialist engineers and experts in the fields of structural engineering, climate control, acoustics, and landscape architecture.

As the principal is a university professor of building design and town planning, the firm is constantly in touch with innovative research and technology.



Nordrhein-Westfalen Art Museum, Germany



Suspension bridge across Storebælt, Denmark



Bus shelter, Valles TransMedia, Denmark



Novo Nordisk A/S, Research Centre, Denmark



Tam Kang Bridge, Taiwan



The National Bank of Denmark



Novo Nordisk Pharma GmbH, Germany



The Central Bank of Iraq



AIR Titanium spectacles, Lindberg Optik Design A/S



Telecommunication Tower, Germany



Reinhard Tölke Teit Weylandt Jimmy Hansen Otto Weitling Poul Hoffgaard Møller Poul Ove Jensen
Reinhard Schmidt-Petersen Dieter Fremerey Hans Dissing Bodil Schantz Erik Handschuh

DISSING+WEITLING arkitektfirma a/s

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Tel +45 32 83 50 00
Fax +45 32 83 51 00

Directors

Poul Ove Jensen
Reinhard Tölke

Size of firm

108 staff, 11 partners

DISSING-WEITLING arkitektfirma a/s was established in 1971 as a continuation of the office Professor Arne Jacobsen had founded and run since the early thirties.

DISSING+WEITLING, one of the leading architectural firms in Denmark today, has achieved a significant international reputation in its own right, gained through the realisation of many notable projects abroad.

Comprising 11 partners and approximately 90 architects, designers, technical specialists and administrative staff, the firm has a structure, size and composition that guarantees both capacity and flexibility. At the same time, the organisation of the firm into working groups under each partner ensures close personal involvement on each individual project.

The firm's broad range of specialist staff allows for a wide scope of activities, ranging from traditional architectural work within the building sector, through town and landscape planning, to consultancy work in connection with large industrial facilities and civil engineering projects, together with industrial design, product development and graphic design.

The firm places great weight on its in-house support facilities, including quality assurance, building management and economy, the firm's own model workshop and photo studio, as well as an established and extensive use of Desktop Publishing, CAD, and 3-D Visualisation.

The firm is frequently invited to participate in domestic and international architectural competitions, resulting in a number of prestigious commissions. Over the years, DISSING+WEITLING has also received numerous awards for completed buildings, both in Denmark and abroad.

Clients range from private individuals and companies, to public authorities and national institutions. DISSING+WEITLING serves as the appointed architect for the Danish Parliament, the Central Bank of Denmark and the Ny Carlsberg Glyptotek Art Museum.

In the private sector, DISSING+WEITLING has worked extensively for the Danish based, major international pharmaceutical company Novo Nordisk A/S and over many years has been responsible for a considerable number of laboratories, production facilities and administration buildings.

Within the field of industrial design and product development, a special area of activity within the firm, DISSING+WEITLING has produced many award winning designs. The firm is involved in products ranging from furniture and fittings, lighting and ventilation fixtures to glasses, street furniture, signage systems and graphic design.

DISSING+WEITLING have extensive experience in large scale civil engineering projects, including the design of a 290m high telecommunication tower in Hannover, the VLT observatory on Paranal Mountain, Chile as well as bridges in 10 different countries, including the 18 km long Great Belt Link between the Danish islands of Zealand and Funen, highlighted by the design of a suspension bridge with a clear mainspan of 1824m, which will be one of the world's longest.



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- 1 SAFRA Resort & Country Club, Singapore
- 2 Pasir Panjang Hill Townhouses, Singapore
- 3 Kota BNI (Wisma 46), Jakarta
- 4 Yeo Hiap Seng Factory, Singapore
- 5 Bugis Junction, Singapore
- 6 Berjaya Star City, Kuala Lumpur
- 7 PSA Vista, Singapore
- 8 The Bayshore, Singapore



8

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Fax (65) 3379989

Malaysia
Philippines
Indonesia
Hong Kong

Key Personnel

Chan Sui Him, DIP Arch MA(S'PORE) FSIA APAM MSIP
Gan Eng Oon, DIP Arch(S'PORE) FSIA APAM FSProjM
Koh Seow Chuan, B Arch(MELB) MSIA APAM RIBA FRAIA
Francis SW Lee, DIP Arch(B'HAM) B SC Arch(Aston) MSIA
Arthur SY Loh, B Arch DIP T & RP(MELB) MSIA RIBA FRAIA MSIP
Vikas M Gore, MA Urban Design(Washington) B ARCH(Bombay) Cert of Eq(Canada)
Herman SC Teoh, B Arch(S'PORE) MSIA APAM
Ti Lian Seng, B Arch(AUCK) MSIA
Teoh Hai Pin, DIP Arch MA Arch(Sheffield) MSIA RIBA
Wu Tzu Chiang, B Arch(S'PORE) MSIA

Major Projects

- Berjaya Star City, Kuala Lumpur: mixed development consisting of retail, theme park, hotel and service suites
- Bugis Junction, Singapore: mixed development consisting of retail, offices, hotel and a cineplex
- Century Square, Singapore: retail and a cineplex
- Institute of Microelectronics/Information Technology Institute, Singapore
- Kota BNI (Wisma 46), Jakarta: office tower
- Laguna National Golf & Country Club, Singapore
- Millenia, Singapore: mixed commercial development consisting of retail, hotels and an office tower. In association with Kevin Roche, John Dinkloo & Associates; Philip Johnson, John Burgee Architects
- Marina Square, Singapore: mixed development consisting of retail, hotels, offices, and a cineplex. In association with John Portman Associates
- Nanyang Polytechnic, Singapore. In association with Gwathmey Siegel Associates
- PSA Vista, Singapore
- SAFRA Resort & Country Club, Singapore
- SAFTI Military Institute, Singapore. In association with Mitchell Giurgola & Thorpe Associates
- Suntec City, Singapore: convention and exhibition centre, retail and offices. In conjunction with Tsao & McKown(S) Pte Ltd
- Temasek Polytechnic, Singapore. In conjunction with Michael Wilford & Partners
- The Bayshore, Singapore: condominium development
- The Esplanade (SAC), Singapore: Singapore Arts Centre consisting of a lyric theatre, concert hall and commercial facilities. Jointly undertaken with Michael Wilford & Partners
- Wisma Atria, Singapore: mixed development consisting of retail and offices.

Practice Profile

Design Partnership was established in Singapore in 1967. The subsequent expansion of the firm led to its being incorporated as DP Architects in 1975. Regional offices currently operate in Kuala Lumpur, Jakarta, Manila, and Hong Kong.

Areas of Specialisation

The firm's range of professional services comprises all aspects of architecture, masterplanning, urban planning, interiors and graphic design.

Projects include: colleges, conservation projects, hotels, recreation and resort facilities, residential developments, industrial complexes, major shopping centres, office buildings, transport facilities, convention and exhibition centres and technology parks as well as the masterplanning of development projects.

The office has an extensive and a very advanced CADD system. It is used at various work stages, from schematic design and design development, which includes rendering and 3-D modelling studies, to contract documentation and project administration.



FFNS is well established in Europe through their own offices (red dots) and the extensive DI network (yellow)

FFNS Gruppen AB

Architects Planners Project Managers

Head Office

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Key Personnel

International Operations:
Leif Åberg President
Jonas Belfrage Marketing

Germany - Directors:

Ulf Bohne, Christian Giese
Düsseldorf & Berlin
Dieter Bystrich Leipzig

Sweden - Directors:

Örjan Wikforss Architecture
Hans Olson Industry Projects
Göran Träff Project Management
Thorsten Åsbyer Property Management

Other offices

Brussels – Designers International's head office
Berlin
Düsseldorf
Leipzig
Göteborg
Malmö
Umeå
Örebro
etc., in total 25 offices in Sweden

Size of Company

600 staff

Company Profile

Architecture is local business ...

In an increasingly internationalised construction and real estate market, firms have to be able to serve clients locally as well as internationally. FFNS has organised itself accordingly.

Designers International – DI

DI EEIG, initiated by FFNS, is a network of prestigious architect offices (1,650 staff) in Europe and Japan – see map. A common culture guarantees a highly developed level of professional skills and quality assurance. DI offers a unique service to clients seeking to develop projects throughout Europe and world-wide.

FFNS Germany

Today there are three German FFNS offices (50 staff), all well-established in the western as well as the eastern Bundesländer. High creative standards and project development are matched by implementation design and project management capacity for private and public sector clients. On-going assignments include offices and commercial schemes, housing and health facilities.

FFNS Sweden

FFNS is Sweden's largest and leading company of consulting architects. Established in 1958, FFNS undertakes all aspects of architectural work, providing a full range of architectural, supporting engineering and project management consultancy services to domestic and international clients in the public and private sectors.

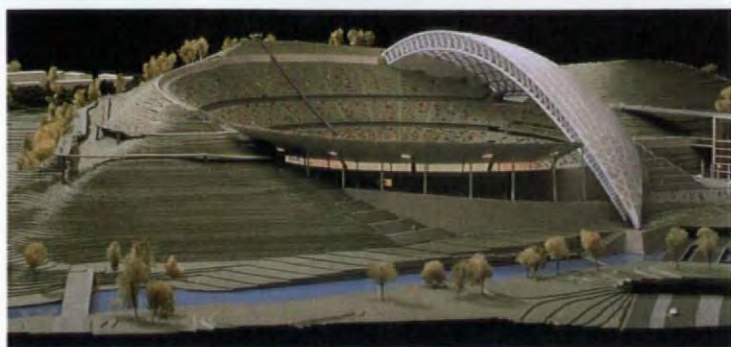
Areas of Specialisation

FFNS's recent and ongoing international experience includes work in Germany, Austria, England, Estonia, Latvia, Hungary and Belgium; Malaysia, South Korea, Japan; Yemen, Senegal and Iran. Altogether, FFNS has experience from some 30 countries, building up international professional contacts for more than 30 years.

FFNS's areas of project specialisation include urban development, housing, office buildings, shopping centres and hotels; hospitals, laboratories and schools; industries; sports and events arenas, airport terminals, infrastructure and large-scale, complex projects.

Captions:

1. 1st prize Main arena, Stockholm Olympic bid 2004 by Team Victor – headed by FFNS Berg and Wingårdh
2. Office and commercial development, Essen Bredeney, Germany
3. Scheme for Coca-Cola head office, Essen
4. Information centre Lernacken, Malmö – the Öresund link bridge Sweden – Denmark
5. Langkawi Hospital, Malaysia



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5



Proposal for Great Court, British Museum, London, UK



Offices for Electricité de France, Bordeaux



Thames Valley Park Offices, Reading, UK



Door handle for Fusital

FOSTER AND PARTNERS

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Germany

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Spencer de Grey
Graham Phillips

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33 Lockhart Road
Wanchai Hong Kong

Foster Asia Japan
Sansei Ogawacho Building
2-6-3 Ogawa-cho
Kanda Chiyoda-ku
Tokyo 101 Japan

David Nelson
Ken Shuttleworth

Areas of Specialisation

Infrastructure and transportation; master planning; museums and galleries; healthcare; hotels; leisure, sport and entertainment; exhibition and conference halls; offices; retail; housing; bridges; interiors, furniture and product design

Recent Clients

BAA Plc
Stanhope
Kajima
Obunsha Corporation
Royal Academy of Arts
Commerzbank
University of Cambridge

Hammersons plc
LIFFE
Imperial College London
GTT
Citibank
J-C Decaux

Practice Profile

The practice is led by a Board of Directors including five partners, each actively involved in the design of particular projects and in the overall design control of all projects. Foster and Partners has, since its inception in 1963, received 125 awards and citations for excellence and won 23 national and international competitions. The practice has offices in Berlin, Frankfurt, Glasgow, Hong Kong and Tokyo.

Projects range in scale from master plans for regenerating and expanding cities to individual buildings, furniture and product design, signage and exhibitions. EC-funded research continues on sustainable urban projects and embodied and renewable energy.

We have won major projects in the UK, Japan, Hong Kong, France, Germany, the Netherlands, Spain, the USA and Saudi Arabia. Current examples include: Imperial War Museum, Duxford, UK; the redevelopment of the British Museum, London; the Headquarters for Commerzbank, Frankfurt, Germany; the new German Parliament, Reichstag, Berlin, Germany; the new airport at Chek Lap Kok, Hong Kong; a Congress Centre for the city of Valencia; a masterplan for the Wilhelminapier Development in the port of Rotterdam, Holland, and an exhibition and conference centre in Glasgow, UK.

Principal completed projects include the Willis Faber Dumas offices, Ipswich, UK; the Sainsbury Centre for Visual Arts at the University of East Anglia, UK; the Hongkong and Shanghai Bank headquarters in Hong Kong; the Third London Airport at Stansted; Century Tower in Tokyo; the Sackler Galleries at the Royal Academy of Arts, London; ITN Headquarters, London; the Carré d'Art in Nîmes, France; Cranfield University Library, UK; the new wing to the Joslyn Arts Museum in Omaha, Nebraska, USA; the Metro Railway, Bilbao, Spain and Cambridge University Law Faculty, UK.

We maintain that architecture and interior design are indivisible and we retain control of all details of the interior of our buildings down to fire exit signs. There is hardly a building completed by our practice in which the interior has not been designed by our teams. The studio is capable of handling the full range of interior design requirements.



Autozone



Jeppesen, Englewood, CO



Weil, Gotshal & Manges, Menlo Park, California



Beverly Hills Hotel, Beverly Hills, California



Institute Plaza, Los Angeles, California

GENSLER... ARCHITECTURE, DESIGN AND PLANNING WORLDWIDE

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Gensler, the San Francisco-based firm assembled by M Arthur Gensler Jr FAIA FIIDA RIBA, in 1965 has grown to be one of the premier international design firms, with a staff of over 1,000 professionals in 15 offices. For almost two decades, Gensler has consistently been named in independent surveys as the USA's largest architectural firm (Building Design and Construction magazines) and the largest interior design firm (Interior Design magazine). This year World Architecture magazine named Gensler the leading architectural firm.

The quality of Gensler's solutions and management style is recognised in the business arena and the professional community and is evidenced by the fact that 85 percent of our current workload comes from repeat clients or referrals. Exceeding client's expectations is the cornerstone of our success, and quality is at the focus of everything we do. We do not give our client a Gensler look, we provide a Gensler approach, which is distinguished by an abiding focus on excellence.

One distinctive aspect of Gensler is the way its designers, more than those in most firms, look at the practice of architecture from the inside out, perhaps as a result of the firm's early involvement with interior projects. As a firm, Gensler is much more involved with pre-design work with clients – strategic planning and the determination of long-term needs – and more ongoing facilities management once the project is completed. Gensler is now essentially extending the architectural and interior design services at the beginning and the end of the project. Gensler has become one of the premier firms in the areas of airport planning, entertainment and retail design, and is developing a strong contingent of hospitality clients.

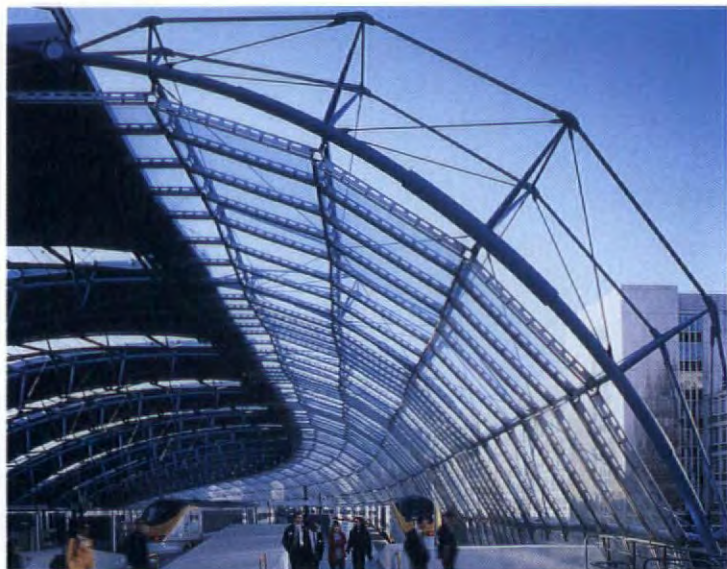
While there is no magic formula to Gensler's success, its achievements are not accidental. Progressive management, combined with teams of people who share a common philosophy and common goals, is at the heart of the organisation. Beyond that are the intangible elements of personality and character which give the firm its charisma and have resulted in professional advancement for the firm as a whole and for its employees.

Gensler's scope of work includes:

| | |
|----------------------------------|--------------------------------|
| ADA Compliance Analysis | Interior Architectural Design |
| Adaptive Reuse | Marketing Consultation |
| Airport Planning and Design | Master Planning |
| Architectural Design | Move-in Co-ordination |
| Art Consultation | Pre-lease Co-ordination |
| Building Analysis | Product Design |
| Building Consultation | Program Management |
| Construction Administration | Renovation |
| Construction Documentation | Resource Management |
| Design Standards Development | Site Evaluation |
| Due Diligence | Space Programming and Planning |
| Facility Management | Strategic Facility Planning |
| Feasibility Studies | Tenant Development |
| Gensler Information Solutions | Transportation Studies |
| Graphic Design | Urban Planning |
| Information Systems Consultation | |

Gensler clients are involved in the following areas:

| | |
|---------------|--------------------|
| Accounting | Law |
| Advertising | Manufacturing |
| Biotechnology | Media |
| Computers | Museums |
| Development | Performing Arts |
| Education | Petroleum and Gas |
| Entertainment | Pharmaceuticals |
| Finance | Recreation |
| Hospitality | Religion |
| Health | Retail |
| Insurance | Telecommunications |
| Government | Transportation |



International Terminal Waterloo
Photo – Peter Cook



Combined Operations Centre, Heathrow
Photo – Reid and Peck



British Pavilion, Seville Expo 92
Photo – Reid and Peck

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Nicholas Grimshaw & Partners Ltd
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Key Personnel

| | |
|-------------------|--|
| Chairman | Nicholas Grimshaw |
| Directors | David Harriss Christopher Nash Neven Sidor |
| Project Directors | Paul Grayshon Michael Pross Andrew Whalley |
| Associates | Florian Eames Ingrid Bille |

Nicholas Grimshaw & Partners commenced in 1980 since when the practice has steadily gained a reputation for design excellence, winning over 70 awards, including a number from the Civic Trust, the Department of the Environment, the RIBA and the Royal Fine Art Commission. This has been achieved by concentration on quality, innovation and a vigorous approach to detailing.

The practice believes that buildings should be understandable both spatially and organisationally; that they should reflect the activities within them, and that they should be flexible enough to be capable of change in response to changing needs. The practice is committed to using environmentally-responsible materials where possible and incorporating energy saving features in every project.

In April 1988 the practice were commissioned as architects for the International Passenger Terminal at Waterloo Station, London. The project was completed in 1993, on time and within budget and has since won the RIBA'S Building of the Year Award for 1994, and the Mies van der Rohe Pavilion Award, biennially awarded for excellence in European Architecture. The practice also won the competition for the design of the 1992 British Pavilion at Expo 92, in Seville, which itself won seven awards, including an award for Innovation in the field of Energy Conservation.

Other completed projects include the Igus Plastics Factory in Cologne, Germany; a large urban development in Camden Town, London for J Sainsbury plc; the Combined Operation Centre for Eurotunnel at Folkestone, UK; the regional headquarters for the RAC at Bristol, UK and print works for the Financial Times and the Western Morning News.

Current work includes the Berlin Stock Exchange and Communication Centre; a new Grand Stand for Lords Cricket Ground, London; the redevelopment of Manchester Airport's Terminal 1 and Heathrow Airport's Terminal 3; a new headquarters building for Orange Plc in Darlington, UK and masterplanning and redevelopment at Paddington Station, London.

Recently won competitions include the redevelopment of Zurich Airport and a new main line railway station and urban design in Pusan, Korea. The practice has also been appointed as architect on a number of prestigious UK schemes awaiting millennium funding.

In addition to practising architecture in the UK, France, Spain, Germany, Switzerland, Japan and the USA, Nicholas Grimshaw & Partners specialises in urban and industrial design and planning, and uses its considerable understanding of materials and manufacturing techniques to produce components tailored to specific and individual designs.



Technical University, Munich: Faculty for Mechanical Engineering



Skoda automobilova – Mlada Boleslav: Automobile Assembly plant



Technical University, Munich: Faculty for Mechanical Engineering: the 220 metre long street



Skoda automobilova – Mlada Boleslav: Automobile Assembly plant



BMW AG – Munich: Research and Engineering Centre (FIZ)



BMW AG – Munich: Research and Engineering Centre (FIZ), Entrance Hall



AUDI AG – Ingolstadt: Exterior view of the Information and Car Delivery Centre



AUDI AG – Ingolstadt: Interior view of the Information and Car Delivery Centre

HENN Architekten Ingenieure

Head Office

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Other Offices

Berlin
Braunschweig
Dresden

President

Dr Gunter Henn

Size of Practice

140 employees

Recent Clients

ABB
Audi
BMW
Bausparkasse Schwäbisch Hall
Brose
Compaq
Digital Equipment
FhG Fraunhofer-Gesellschaft
Hebel
Hilti
Merck
MPG Max-Planck-Gesellschaft
Raychem
Ritter-Sport
Skoda automobilova
Stadtsparkasse Dresden
SUN Microsystems
Technische Universität München
Volkswagen

Practice Profile

The HENN office was founded in 1947 by Walter Henn in Dresden and moved in 1953 to Braunschweig. Since 1979 the practice has been led by Gunter Henn in Munich. The practice has completed over 200 projects in Germany, throughout Europe and overseas.

During this time the HENN practice has developed innovative architectural solutions through close collaboration with clients.

Description of Practice

HENN Architekten Ingenieure is active in the field of research facilities for industrial, educational and scientific development, and industrial architecture. Specific design expertise has been accumulated for research and development projects, administration buildings and universities.

Specialised tools have been evolved for complex projects requiring innovative and dynamic solutions, for alternative workplaces, for offices, for research facilities and for fractal factories.

The success of HENN's recent buildings and communication processes is built on extensive experience of innovation in the analysis and development of communication, architecture, and of settings in which communication takes place. The necessity to design and analyse not only the physical flow of material but also the intellectual flow – ie the flow of communication in special face-to face communication between all colleagues in a company – is a key feature of the design process. The architect is one who is able to design that invisible flow to make all knowledge available to everyone within the company. HENN together with the Massachusetts Institute of Technology has developed a tool to visualise communication.

The underlying concept is no longer "form follows function" but "form follows flow". An architect has to design processes to build learning organisations and thereby create living organisms. Knowledge is the impulse of modern society and architects have to create the space in which knowledge can grow and circulate.

Netgraphing is used mainly in companies with complex communication structures and measures and visualises the quantity and quality of communication inside a spatial context. Only a friction free information flow and knowledge transfer network can guarantee innovation and optimal corporate efficiency.

Programming is a further analysis and design tool, which is directed at achieving the highest efficiency of communication between all the participants. It controls and optimises project design and seeks the realisation of significant communication between designer and client.



University Clinic, Regensburg



University Clinic, Regensburg, entrance hall



University Clinic, Regensburg, terraces social areas



University Clinic, Regensburg, conference room

HEINLE, WISCHER UND PARTNER FREIE ARCHITEKTEN

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Fax: +49 30/393 5000

Key Personnel/Partners

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Prof. Dipl.-Ing. R. Wischer, BDA
Dipl.-Ing. T. Behnke
Dipl.-Ing. G. Ferroni
Dipl.-Ing. (FH) Th. Heinle

Dipl.-Ing. C. Pelzeter
Dipl.-Ing. (FH) S. Rieger
Dipl.-Ing. (FH) W. Schmidbauer, BDA
Dipl.-Ing. K. Schoeppe, BDA
Dipl.-Ing. E. Schultz

Size of Firm

Approximately 130 employees

Recent Clients

- Federal Ministry for Regional Planning, Building and Urban Development
- Ministry of Health, Luxembourg
- State Building Authorities of
 - Baden-Württemberg
 - Rhineland-Palatinate
 - North Rhine-Westphalia
 - Berlin
 - Saxony
 - Bavaria
- Municipal Building Authorities in
 - Stuttgart
 - Ludwigshafen
 - Senftenberg
 - Dresden
 - Caputh
- Buildings in
 - Senftenberg
 - Dresden
- Industrial Enterprises
 - Jenoptik
 - Bilfinger & Berger
 - Züblin
- Developers
- Research Institutes
 - German Cancer Research Center, Heidelberg
 - BBB Biomedical Research Campus, Berlin-Buch
 - Max-Delbrück Centre for Molecular Medicine, Berlin-Buch
 - Forschungsverbund Berlin e.V. (registered research association)
- Welfare Institutions
 - Workers' Social aid Institution, Brandenburg
 - Diakonisches Werk, Mecklenburg
 - Home for the Elderly, Caputh
 - Blankenfeld Enterprise for Regional office of Berlin-Zehlendorf
- Murphy/Jahn, Chicago
- Drees & Sommer

Practice Profile

The office was founded in 1962. More than 85 percent of the employees are architects, interior designers or technicians. Completed projects include public buildings, such as universities, hospitals, ministries, research laboratories, industrial plants, housing etcetera. The firm offers all architects services including site analysis, master-planning, urban design, hospital design consultancy, quantity surveying, cost and time management and on-site supervision.



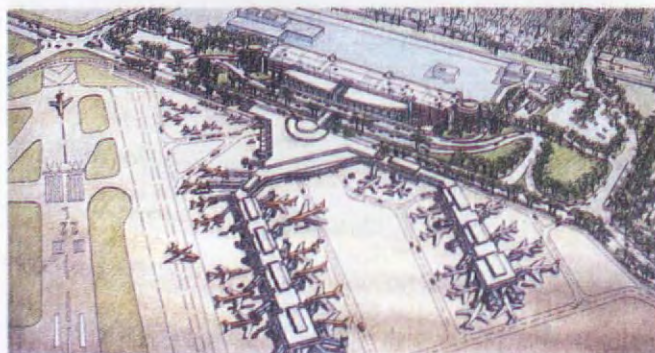
Town Pavilion, Kansas City, USA



Los Angeles Coliseum, USA



Providence Convention Center, Rhode Island, USA



Midway Airport, Chicago, USA

HNTB

ARCHITECTS ENGINEERS PLANNERS

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Thomas K Dyer Inc

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Robert S Coma
John W Wight Jr.

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Recent Clients

| | |
|---------------------------------|---------------------------------|
| AT&T | Sprint |
| Allied Signal Inc | US West Communications |
| Eli Lilly & Company | US Air |
| Federal Aviation Administration | Walt Disney Imagineering |
| General Services Administration | Washington DC Convention Center |
| John Q Hammons | Authority |
| Johnson Controls Inc | |

Practice Profile

HNTB Architecture is part of HNTB Corporation, an international consulting firm with more than 2,000 architecture, engineering and planning personnel. Founded in 1914, HNTB has built its reputation on providing public and private-sector clients with quality service and technical excellence.

HNTB's architectural experts provide professional services in planning, site design, facility design and facility consulting. The firm's pool of talent includes architects; interior designers; mechanical, electrical and structural engineers; planners, landscape architects and construction services personnel. Each project team is built based on specialised expertise and experience in the project type.

HNTB uses state-of-the-art technology to plan and design a range of building types, including transit facilities, convention centres, health facilities, financial institutions, corporate office buildings, airport terminals, hotels and resorts, parking structures, sports and recreation facilities, schools and community centres. The firm also provides large scale and master planning; urban planning, renewal and entertainment; and golf course design.

HNTB has 60 offices in the USA and has worked on projects in Australia, Canada, China, Germany, Japan, Korea, Mexico, Saudi Arabia, South Africa and South America.

Areas of Specialisation

Airport Terminals, Convention Centres, Corporate Facilities, Design/Build, Education, Hospitality, Sports Facilities, Urban Planning and Design.



University of Hong Kong Phase V Redevelopment



St. Francis Church at Ma On Shan



Improvement Works to Ko Shan Theatre



Yuen Fat Wharf & Godown



Haven of Hope Hospital



Island Place



Pristine Villa

KWAN & ASSOCIATES ARCHITECTS LTD.

KWAN
ARCHITECTS

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Email : kwanarch@hk.super.net

Size of Firm: 145 Employees

Key Personnel

Directors

Kwan Wing Hong, Dominic
BArch, HKIA, RIBA, ARAIA, Registered Architect, Authorized Person List I
Ng Wing Shun, Anthony Vincent
BA(AS)(Hons), BArch(Dist), M.Urban Design, HKIA, RIBA, Registered Architect, Authorized Person List I
Cheng Yan Ying, Grace
AADipl, HKIA, RIBA, Registered Architect, Authorized Person List I

Deputy Directors

Lam Chung Wai, Tony
BA(AS), BArch, HKIA, RIBA, RAIC, OAA, Registered Architect, Authorized Person List I
Tsang Wai Yin, Michael
BA(AS), BArch, MBA, HKIA, RIBA, Registered Architect, Authorized Person List I

Major Projects

Hong Kong University Phase V, Hong Kong
Ma On Shan Church, Shatin, Hong Kong
Island Place, North Point, Hong Kong
Hing Wai Building, Central, Hong Kong
ASD Improvement to Ko Shan Theatre, Hung Hom, Hong Kong
Nathlonwealth Plaza, Beijing, China
Shen Yang Plaza, Shen Yang, China
Haven of Hope Hospital, Junk Bay, Hong Kong
North District Hospital, Junk Bay, Hong Kong
Telephone Exchange, Chek Lap Kok, Hong Kong
Methodist Church/Office Development, Wanchai, Hong Kong
Salisbury Garden Underground Commercial Complex, Tsimshatsui, Hong Kong
Jiading Commercial/Residential/Hotel Development, Shanghai, China
Discovery Bay North Development, Hong Kong
Chung On Terrace, Fortress Hill Road, Hong Kong
Housing Society Sandwich Class Housing, Kennedy Town, Hong Kong
Medical Centre, University of Hong Kong, Sassoon Road, Hong Kong
Hostel for Post Graduate at Chinese University, Shatin, Hong Kong
Kowloon Station Development, Hong Kong
Tseung Kwan O Hospital, Tseung Kwan O, Hong Kong

Statement of Firm

Kwan & Associates Architects Limited was founded in June 1991 by Mr Dominic Kwan. The practice offers full architecture, master planning and space planning services.

The team here has developed a reputation for good, skilful design and efficient project management across a wide spectrum of high quality projects both at home and abroad. The house portfolio features residential, office, hotel, institutional and industrial design.

Historically, the practice evolved from KNW Architects & Engineers Limited (KNW). The latter was established in 1979 with Mr Dominic Kwan as a founding director. The firm soon flourished and was rewarded for outstanding architectural achievement by the Hong Kong Institute of Architects: the Silver Medal for Excellence in Architecture in 1983 and 1984; the Certificate of Merit in 1987; the Silver Medal in 1989. After the dissolution of KNW most of the staff stayed on board and completed outstanding major assignments: Tai Po Convalescent & Infirmary Hospital; Pristine Villa at Tao Fung Shan; Hong Kong University Phase V; Salisbury Garden underground shopping/carparking complex at Tsimshatsui; a housing development at Kwai Shing Circuit; and the ASD Minor Works Term Consultancy.

The practice has avoided the adoption of a distinctive house style, believing instead that each project should be treated innovatively, and that creativity should draw on the team's diverse experiences and insights. Each building is designed contextually, and with the client's needs and objectives uppermost in mind. Special care is also taken to meet the budget and to complete design and construction on time.

The firm has formed a joint venture company with Percy Thomas Partnership in Hong Kong, which practices in the name of Kwan-PTP Architects & Hospital Planners Limited and provides both public and private sector clients with services ranging from health planning studies and development plan proposals to the complete design, contract administration and commissioning of hospitals, health centres, research centres and facilities and medical schools.

With a workforce of 145, the firm has the resources to meet the requirements of virtually any architectural assignment.



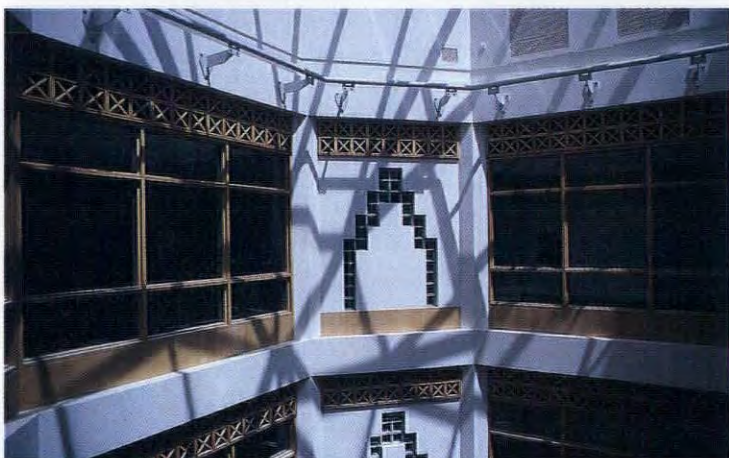
Batelco Commercial Centre, patterns in glass, ceilings and timber screens



Batelco Commercial Centre, view from South



Batelco Commercial Centre – a night view



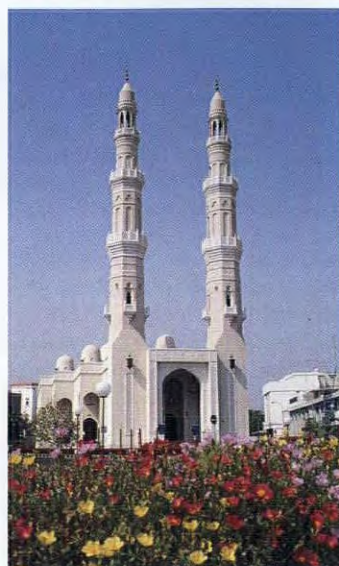
Batelco Commercial Centre, skylight lit atrium detail



Batelco Commercial Centre, view of eight storey atrium



Al Salam Tower – Bahrain Islamic Bank Headquarters, Bahrain



Kanoo Mosque, Bahrain



Toyota Training Centre, Bahrain



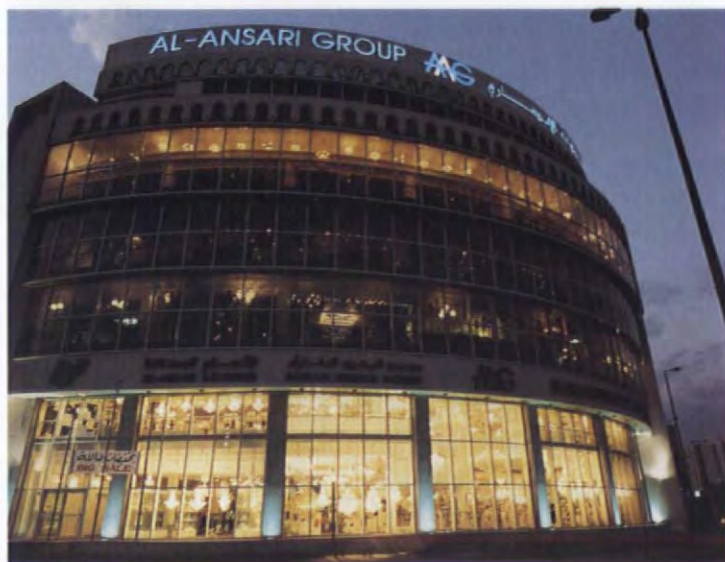
Private Luxury Villa, Bahrain



Regional Distribution Centre for DHL, Bahrain



Hamad Town Filling Station, Bahrain



Al Ansari Group Lighting Showroom, Bahrain



Head Office

Mohamed Salahuddin Consulting Engineering Bureau
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Internet Home Page

[HTTP://WWW.BATELCO.COM.BH/MSCEB](http://WWW.BATELCO.COM.BH/MSCEB)

Size of Practice: 105 Employees

Areas of Specialisation

Multi-Storey Office Buildings
Residential Developments
Luxury hotel
Beach Resorts
Shopping Centre/Supermarket
Multi-outlet food courts/
Fast food centres
Filling Stations
Luxury Villas

Industrial buildings
Specialised aviation maintenance workshops
Warehouses
Homes for the Elderly
Schools
Mosques
Interior designing of banks, hotels and shops
Residential compounds

Practice Profile

MSCEB was founded by Mohamed Salahuddin in 1970 to offer professional services in the areas of planning and architecture, with related services. From the outset the primary goal was to provide designs that fulfil the client's aspirations with aesthetically pleasing solutions that are both functionally responsive and economically efficient. The firm has grown into an enclave of professional expertise, offering in-house services in: architecture; structural, mechanical and electrical engineering; landscaping design; contract administration; project management and interior design.

The firm's organisation is structured around the studio concept. Each project is served by a team of architects and engineers catering to the specific requirements of the client, remaining in close contact from the conception to the completion of the project. This approach offers the client the responsiveness and personal touch of a small practice without limiting the benefits of larger corporate resources.

State of the art computerisation in the production, analysis and presentation of designs helps MSCEB to meet the ever growing demands of contemporary clientele. A continuously updated and thoroughly comprehensive information library, with computer access, forms the basis of our up to date design solutions.

Above all, MSCEB's single minded quest for excellence in design, and pursuit for perfection in execution have been the guiding forces behind the firm's growth to its present level of professionalism.

It is MSCEB's motto to design within the social umbrella of climatic and cultural differences, while remaining sensitive to traditional values. We use the latest technological advances to create buildings of lasting value.

Major Clients and Projects

Bahrain Telecommunications Co

Ebrahim K Kanoo WLL
Toyota Motor Co, Japan
Bahrain Islamic Bank
DHL
Bahrain Aviation Fuelling Co
Civil Aviation Affairs

Bahrain Airport Services
Gulf Air
Sham's Tourism
Tourism Development Company
Bahrain National Oil Company
Jawad

Jasmi's

10 Storey Corporate Offices and Commercial Centre
Toyota Spare Parts Showroom
Toyota Training Centre I & II
17 Storey Bank Headquarters Building
Specialised Regional Distribution Centre
Aviation Fuelling Facility
Meteorological Office/Flight Information Centre/ Fire Station
Headquarters/Workshops
Multi-storey headquarters building
"Palm Beach" Resort
"Half Moon Village" A Beach Resort
No. of filling stations
Supermarkets/Dairy Queen and other fast-food outlets
Fast-food centre



John Hancock Tower, Singapore, 1993



Gaysorn Plaza, Bangkok, 1995



The Landmark, Ho Chi Minh City, Vietnam, 1995

LIANG PEDDLE THORP ARCHITECTS AND PLANNERS LTD



梁栢濤

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Fax: +852 2529 6419

Other Offices

LPT Singapore
LPT Vietnam

Associate Offices

Peddle Thorp, in Australia
New Zealand, Indonesia, Malaysia

Size of Company

Personnel: 100

Contact Person

Mr Keith Griffiths, Design Director

Key Personnel

William T K Liang, Chairman
Keith Griffiths, Design Director
Tony Ang, Director
John Yu, Director
Chris Johnston, Director
Edward Tse, Director
Kyran Sze, Director
David Roberts, Director

Recent Clients

Asia Air Terminals
China Overseas Holding
Gaysorn Holding Co Ltd
Hang Lung
Harilela Hotels
Hong Kong International Terminals
Hongkong Land
Hong Kong Telecom
Hutchinson Whampoa Property
Kerry Properties
Kumagai
Mass Transit Railway Corporation
Tai Chung Properties
The Hong Kong and Shanghai Hotels
Yamasin Investment Co

Company Profile

Since its establishment in 1982, LPT has emerged as one of Hong Kong's principal architectural practices with major commissions throughout Hong Kong, China, Thailand, Vietnam, Malaysia, Singapore and Indonesia. It is the company's philosophy to balance and blend design, construction and administration skills. It is this policy that has underpinned our success.

The company's eight architectural directors are supported by over 100 local and expatriate professionals drawn from a wide variety of backgrounds, all of whom are committed and focused on the importance of the client as an integral part of the ultimate concept and design. By rigorous application of this approach at all levels of architecture, LPT ensures the client's needs and aspirations remain a central influence. Through this philosophy LPT has gained significant market confidence throughout South East Asia.

In addition, as part of the International Peddle Thorp Group, LPT maintains close working ties with 14 Peddle Thorp Office located in eight different countries throughout Asia, Australia and New Zealand, a resource totalling 450 employees. This international fund of specialist expertise is available, as required, on any particular project.

One of the company's greatest strengths is its effective hands-on management of resources. Under the administrative responsibility of at least one director, staff are allocated to each project so that skill and experience precisely meet the needs of the project. LPT ensures the personal attention of at least one director on every project.

LPT offers a comprehensive range of design and project management services for a broad range of diverse market sectors including hotel, apartment and retail developments, commercial/office buildings, industrial installations, major refurbishment projects and urban planning.

Areas of Specialisation

Infrastructure and transportation; master planning; industrial; commercial; retail; hotels and leisure; residential; interiors



Ramada Linz – Bar



Bagel Restaurant, Leipzig



Spreebogen Berlin – Foyer Office Building



Spreebogen Berlin – Shopping Mall

PETER JÖHNK/RANSLEY JÖHNK & ASSOCIATES

Head Office

Peter Jöhnk
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Fax: +40 689421 30

Other Offices

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UK

Peter Jöhnk
Si-Centrum
Plieninger Straße 99
70567 Stuttgart
Germany

Key Personnel

| | |
|--------------------|---|
| Peter Jöhnk | <i>Owner/Managing Director</i> |
| Josef Ransley | <i>Partner</i> |
| Barbara Blank | <i>Financial and Marketing Director</i> |
| Ralf Clausen | <i>Project Manager</i> |
| Gerd Arp | <i>Project Manager</i> |
| Corinna Kretschmar | <i>Project Manager</i> |
| Silke Musset | <i>Project Manager</i> |
| Kerstin Rüter | <i>Project Manager</i> |

Projects

| | |
|--|---|
| Si-Centrum, Stuttgart (Ransley, Jöhnk & Associates) | Cinemaxx, Stuttgart/Munich (Peter Jöhnk) |
| Der Spree-Bogen, Berlin (Peter Jöhnk) | Holiday Inn Crowne Plaza, Schwerin (Peter Jöhnk) |
| Penta-Hotel, Moscow (Sahm/Vorreiter/Jöhnk) | Several projects for: McDonald's Ocean Drive Bagel |
| Hotel Neptun, Rostock (Peter Jöhnk) | |
| Musical Theatre, Stuttgart (Peter Jöhnk) | |

Areas of Specialisation

The bulk of the firm's work is in the European hotel and leisure industry, but we also have experience in a wide range of interiors projects, including theatres, shopping-malls, cinemas, office-buildings and shops.

Company Profile

Peter Jöhnk & Associates always try to find a "special solution" to a project, which not only meets the requirements of the clients and the users, but also the building itself.

The firm does not adhere to a specific "office style". When working on a project we apply the methods, techniques and style appropriate to the individual venture.

Peter Jöhnk/Ransley Jöhnk & Associates also specialise in interiors project management.



The City Bank, Brussels, Belgium



Charlemagne (CEE)



CFE Headquarters



AG 1824 office building

The Peter Van Kerckhove Partnership

Head Office

210 Brugsesteenweg
8800 Roeselare
Belgium
Tel: +32 51 26 20 26
Fax: +32 51 26 20 27

Size of Practice

97

Total Offices

4

Areas of Specialisation

| | |
|---------------------|--------------------------|
| Healthcare | Interiors |
| Industrial | Sport/Leisure/Recreation |
| Commercial | Hotel/Restaurant |
| Office Buildings | Education |
| Housing/Residential | Laboratories/Research |
| Religious/Cultural | Teamsport |
| Planning | Other |

Practice Profile

The partnership is led by Peter Van Kerckhove assisted by a group of senior architects and engineers. Each service is actively involved in the overall design control of all projects. Every individual project is handled by a team of carefully chosen professionals under the leadership of a project architect. We offer a highly personalised service, believing that close collaboration with the client, during all phases of development is a crucial component in the design of successful architecture. Since successful architecture must respond to the internal forces of the building programme as well as the external forces of its context, the partnership does not design buildings according to the dictates of a particular house style. We believe that every building should have its own identity created by a simple and expressive architecture corresponding to its specific functions and location.

With five decades of experience, the partnership works in a spirit of total independence from all commercial and industrial interests. Thanks to along lasting relationship with our clients, the Peter Van Kerckhove Partnership is charting an exciting future that transcends international boundaries and expands the horizons of quality design.

Global Design Approach

The Peter Van Kerckhove Partnership believes that architecture, landscaping, interior design and engineering – of both the structures and the building service – are indivisible in order to achieve the high quality standards applicable in the practice. This is why the partnership is capable of handling the full range of these design requirements in house.

Designers International

The creation of the unified European market has stimulated cross-border investments. These initiatives often require adequate architectural and engineering services.

In order to formulate an answer to this growing demand the European Economic Interest Group called "Designers International" was created, whereby 16 architectural/engineering firms offer their services to their international clients through a co-ordinated network present in 24 cities in Europe and nine cities in the Middle and Far East.

Peter Van Kerckhove is the president of the EEIG.

Completed projects in the following countries

Belgium, Netherlands, Luxembourg, France, Germany, the UK, Spain, Portugal, Zaire, Rep. Pop. du Congo, Cameroon, Nigeria, Senegal, Madagascar, Burundi, Liberia, Kuwait, Egypt, Saudi Arabia, Libya, Iraq, Turkey, Czech Republic.



Natwest office building



Nanyang Technological University halls of residence



Balestier Point mixed use development



La Meyer condominium

RDC ARCHITECTS PTE LTD



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Fax: +65 3363117

Overseas Office

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Fax: +60 (0)7 3343573

Key Personnel:

Directors: Chan Fook Pong; Kenneth Chen Koon Lap; Leong Charn Huen;
Huang Siong Hui; Kenneth Loh Kai Teck
Associate Director: Rita Soh Siow Lan; Mohan Shanmugam; Loh Ju-Hon
Partner (overseas office): Siow Chien-Fu

Selected Client List

| | |
|--|---|
| Allgreen Properties Ltd | Ministry of Community |
| Amcol Technology Pte Ltd | Development, Singapore |
| Bukit Sembawang Estates Ltd | Ministry of Defence, Singapore |
| Cathay Organisation | Ministry of Education, Singapore |
| Central Provident Fund Board, Singapore | Ministry of Foreign Affairs, Singapore |
| Changi International Logistics | Ministry of Health, Singapore |
| Chee Tat Group | Ministry of National Development |
| City Development Pte Ltd | Pidemco Land |
| Civil Aviation Authority of Singapore | Safe Travel & Enterprise Pte Ltd |
| CWT Distribution Pte Ltd | Shriro Paper (S) Pte Ltd |
| Crown Pacific Pte Ltd | Singapore Airlines |
| DBS Land | Singapore Post Pte Ltd |
| Far East Organisation Ltd | Singapore Sports Council |
| Ho Bee Investments Pte Ltd | Singapore Telecommunications Pte Ltd |
| Housing & Development Board, Singapore | Singapore Land |
| Institute of Technical Education, Singapore | Steamship Investment & Development Pte Ltd |
| Jurong Town Corporation | Technology Parks Pte Ltd |
| Lee Rubber Co Pte Ltd | Tuan Sing Holdings Ltd |
| Liang Court Holdings Ltd | United Overseas Land Ltd |
| | W&T Logistics Pte Ltd |

Practice Profile

The firm of RDC Architects Pte Ltd (formerly known as Regional Development Consortium Architects, founded in 1974) has been involved in many building projects in Singapore, Malaysia, Indonesia, Brunei, Sri Lanka, the Middle East, China and Vietnam.

The firm's philosophy is based on the creation of a total environment satisfying the various aspects of social, economic and aesthetic considerations. It adopts a "group practice" approach in solving design problems, hence it does not subscribe to a single medium of architectural expression. The eventual built form must be an appropriate response to the context of the problem. It provides services ranging from planning, architectural design, project management, to development consultancy.

The firm is a pioneer in the adoption of a quality management programme for all its projects. Projects are subjected to quality assurance procedures set up with the aim of completing them on time, within budget, and achieving best quality in construction and best value for money for its client. In fact, RDC Architects Pte Ltd is the first architectural practice to obtain ISO 9000 Certification in Singapore.



Centro Oberhausen, Oberhausen, Germany
photographer David Whitcomb



The Trocadero, Piccadilly Circus, London, UK
photographer David Whitcomb



The Embassy of Singapore, Washington DC, USA
photographer Alain Jaramillo - Blakeslee Group

RTKL

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Fax: 214 871 7023

1250 Connecticut Avenue NW
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Fax: 202 887 5168

333 South Hope Street
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USA
Tel: 213 627 7373
Fax: 213 627 9815

The Heal's Building
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UK
Tel: 44 171 306 0404
Fax: 44 171 306 0405

Affiliated Offices

Brisbane, Cologne, Shanghai, Singapore

Senior Personnel

Harold L Adams FAIA, RIBA, JIA/Chairman
David J Brotman AIA/Vice Chairman
David C Hudson AIA, CSI/Executive Vice President
Jerry L Quebe FAIA/Senior Vice President
Lance K Josal AIA/Vice President
Paul G Hanegraaf AIA/Vice President
Gregory A Yager AIA/Vice President
Michitaka Yamaguchi AIA/Managing Director

Practice Profile

RTKL are an international architecture, planning and design firm with projects in over 45 countries on six continents. RTKL have a multi-disciplinary staff of 500 professionals and a world-wide portfolio of retail, mixed-use, masterplanning, urban design and renewal, leisure and entertainment, hotel and resort, and healthcare projects.

Through an extensive network of offices and alliances, RTKL can provide the highest level of professional service anywhere on the globe. The firm takes pride in the quality of its work as much as the quality of its client base, which includes some of the most successful developers, corporations and institutions in the world. Working closely with clients, our design professionals are able to address the design, marketplace and cultural challenges that shape successful projects. This sensitivity and spirit of communication results in designs that are appropriate and responsive to context, materials and natural assets.

With 50 years of experience, the firm has emerged as a world leader in the design of commercial developments of all types.

Services

Architecture
Planning and urban design
Environmental graphic design
Theming and concept generation
Landscape architecture

Oak Hill Apartments, Suite 2-S
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Fax: 81 3 3583 3402

2/F Shui On Centre
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Hong Kong
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Fax: 852 2 824 8508

515 North State Street
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Chicago, IL 60610
USA
Tel: 312 645 1500
Fax: 312 645 1580

Interior architecture
Engineering
Property and facility evaluation
Renovation and adaptive re-use



Rasa Sentosa Hotel at Sentosa Island, Singapore



Singapore Chinese Girls School at Dunearn Road, Singapore



Royal Mulu Resort, Sarawak, Malaysia



Sony CRT factory at Tuas, Singapore



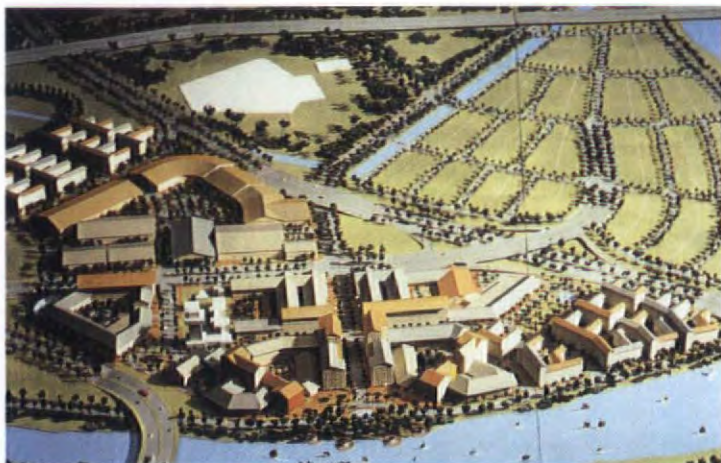
Traders Square & Traders Hotel, Yangon, Myanmar



Information Technology Park, Bangalore, India



Republic Plaza at Raffles Place, Singapore



Masterplan: City of Chenghai, Republic of China



Masterplan: Sentosa City, Ghaziabad, India



PosBank Headquarters at Robinson Road, Singapore



RSP ARCHITECTS PLANNERS & ENGINEERS (PTE) LTD

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BBM (L) DA (B'ham) FSIA RIBA

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Directors

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Regional Planning (Melb) MSIA FSIP
FRAIA RIBA MRTPI MRAP MAPA
Liu Thai-Ker
B Arch (NSW) MCP (Yale) MSIA FSIP
RIBA FRAIA IREM CPM
Loh Choon Tong
B Arch (S'pore) MSIA
Lai Huen Poh
B Eng (Hons) MICE C Eng MIES P Eng
AIAStructE
Lee Kut Cheung
B Arch (Hong Kong) AA (London)
Grad dip (Hons) MSIA RIBA
Goh Hup Chor
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MSIA RIBA ARAIA MSIP

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RSP International
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Bahrain

RSP International
PO Box 1025
Bahrain Arabian Gulf

Practice Profile

RSP Architects Planners & Engineers (Pte) Ltd was incorporated in Singapore in February 1992. Its history dates back to 1956 when the practice was established in Singapore under the name of Raglan Squire & Partners. In December 1980, it was renamed RSP Architects Planners & Engineers. The practice, which has grown from a staff of 14 in 1956 to more than 300 today, has become one of the largest and most established architectural, planning and engineering practices in Singapore and the Far East.

RSP's subsidiaries, branch offices and associate firms in India, Dubai, Kuala Lumpur, Jakarta, London and Bahrain besides undertaking their own work in their respective areas, and also pool resources to carry out some projects jointly with the Singapore office. The combined experience of the staff has made it possible for the practice to produce work of a consistently high standard. To complement its services, the practice also works closely with its own M&E Division, Squire Mech Pte Ltd.

Design Approach

The practice places strong emphasis on design quality and project management. It has earned recognition for high levels of creative design and management skill, a fact supported by the number of projects which have been awarded design excellence awards. The practice aims to maintain high levels of professional standards and management control to ensure consistent quality and project completion within budget and time constraints. The practice is also one of the first in the region to achieve the ISO 9000 Quality Management System certification for Architectural Design and Consultancy Services.

Areas of Specialisation

Architectural planning, design, supervision and administration of building contracts; urban and regional planning; civil and structural engineering; interior design; construction management service.

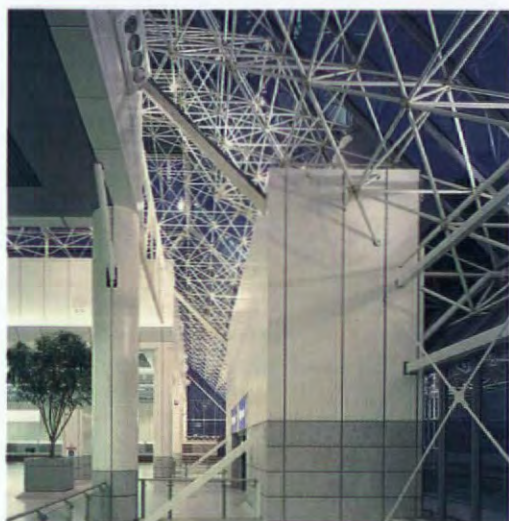
Project Type

Large scale residential development
Hotels
Commercial complexes
Office buildings
Institutional buildings
Recreational buildings

Industrial buildings
Hospitals
City & regional planning
Industrial estates
Hi-tech parks



New Headquarters for Oracle UK, Thames Valley Park, UK



Manchester Airport Terminal 2 – voted the world's best airport in a 1996 survey of airline passengers (both business and leisure) by IATA

SCOTT BROWNRIGG & TURNER LTD Architects and Planners

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Key Personnel

Philip Moloney
Panos Panayiotou
Christopher Blow
Michael Kellard
Steve Marriott

Overseas Offices and Associated Offices

Abu Dhabi, Athens, Harare,
Hong Kong, Jakarta,
Johannesburg, Lyon, Nicosia

Other UK Offices

London
Bristol

Associated UK Offices

Glasgow
Edinburgh

Practice Profile

Founded in 1910, SBT, has built an international reputation for architecture based on a commitment to design excellence, technological innovation, sound management and environmental care. With over 80 years experience of working with major clients on a wide range of projects, both in the UK and overseas, SBT has the capacity and expertise to carry exceptionally large projects through from brief-writing to the handover of the completed building. An extensive track record of projects includes pace-setting business parks, leisure complexes, retail centres, hotels, office developments and airport terminals.

Recent and current projects include the master-planning of several major leisure and theme park developments containing hotels, multi-sports facilities, marinas and water parks; master-plans and full design services for commercial developments, some including residential and retail elements; interior design and space planning of two international bank headquarters; the extension and refurbishment of a five-star hotel; extension and refurbishment of a restaurant in central London; exclusive residential developments; the design of new five-star hotel, new HQ buildings for the MOD, Oracle UK and Novartis (new pharmaceutical company following the merger of Ciba and Sandoz), housing for the MOD, the extension and refurbishment of two airports and design services for a major airline's catering facilities.

Areas of Specialisation

Master-planning, commercial, offices, business parks, leisure, retail and airports.



Mythos Park - masterplan for Greek theme park on outskirts of Athens, Greece

STW

Scott Tallon Walker Architects



O'Reilly Hall, University College, Dublin



Industrial and Business Park, East Wall Road, Dublin



Biotechnology Building, University College, Dublin



New Civic Offices, Dublin

Head Office

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Fax: (353-1) 661 3300

Other Offices

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Galway, Ireland

Key Personnel

Dr Ronald Tallon, KSG BArch FRIAI RIBA
Niall Scott, DipArch MRIAI RIBA
Michael Tallon, BArch MRIAI RIBA
Joan O'Connor, DipArch BArchSc MRIAI
Eugene McLernon, BArch MSc MRIAI
Michael Aston, DipArch RIBA
Peter Dudley, BArch MRIAI RIBA
Eoin O'Morain, BArch MRIAI RIBA
Bryan Roe, DipArch BArchSc MRIAI

Size of Company

Personnel: 70

Areas of Specialisation

Government institutions and facilities for the public; medical, healthcare; leisure/entertainment; hotels and catering facilities; offices and all work environments; retail activities and complexes including distribution.

Recent Clients

University College Dublin
Trinity College Dublin
University College Galway
Dublin Corporation
Radio Telefis Eireann
Bank of Ireland
Brown Thomas Group
Fyffes Group Limited
Marks & Spencer PLC
Electricity Supply Board
Telecom Eireann
Coopers & Lybrand
B+I/Irish Continental Group
Sumitomo Finance (Dublin) Ltd
Chase Manhattan Bank
Bank of Nova Scotia

Company Profile

Scott Tallon Walker is a partnership of architects engaged in the disciplines of architecture, interior design and master planning.

The firm's experience embraces educational, industrial, telecommunications and commercial developments, with particular interest in master planning for future growth. The fact that we have acted for over thirty years continuously for major clients is an indication of our continuing interest and collaboration in structuring their needs.

The quality of the work of the practice is reflected in the award of four Gold Medals, two medals for Housing and ten Commendations of the Royal Institute of the Architects of Ireland and The Royal Gold Medal for Architecture awarded by the Royal Institute of British Architects. The work illustrated indicates the ability of the practice to undertake a wide range of architectural commissions.

The firm is the first Architectural Practice in Ireland to be awarded Certification under ISO 9001 from the National Standards Authority of Ireland.



Hilton International Charles de Gaulle Airport



Hilton International Charles de Gaulle Airport



Regents Plaza



21 Lombard Street, London



Hilton International Stadtbad-Mitte Hochstrasse
Frankfurt Am Main

JOHN SEIFERT ARCHITECTS

JOHN SEIFERT
ARCHITECTS

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E-mail: host@seifert.co.uk

Other offices

Paris, Frankfurt, Singapore

Key Personnel

John M Seifert BSc DIP ARCH(UCL) RIBA CROAIF(FR) NCARB
Cert(USA) AK Hessen(Ger) – Chairman
Malcolm N Noakes MSc ARCH(UCL) RIBA CROAIF(FR)
Stephanie J Kirwan LL B (Hons) MSc MA
Achim Jaeger DIP ARCH(OXFORD) RIBA

Services

Architecture, Urban Design

Company Profile

John Seifert Architects is active throughout Europe. We aim to benefit projects across the spectrum of commercial, residential and public buildings.

We offer a highly personalised service, working closely with our clients to give an edge in the market in terms of innovative design image, occupier suitability, financial performance, working planning approvals and practical construction. We provide coordinated international and local services and are geared to match the demands and standards of developments in the new Europe.

John Seifert Architects travaille à travers l'Europe. Notre but est de tirer profit de toute la gamme de projets; commerciaux, habitations, et bâtiments publics.

John Seifert est organisé pour assurer un service hautement personnalisé. Nous travaillons côte à côte avec nos clients pour assurer notre avantage en termes de créativité innovatrice, capacité à adapter chaque projet aux besoins particuliers de l'occupant éventuel, performance financière, faisabilité administrative et constructibilité de notre architecture.

Notre service, à la fois régional et international, nous permet de répondre aux défis lancés par le développement de la Nouvelle Europe car nous avons déjà une expérience poussée de l'harmonisation des standards internationaux aux particularismes locaux.

Das Architekturbüro John Seifert ist in ganz Europa für private und öffentliche Bauherren tätig und bearbeitet Vorhaben sowohl im Wohnungsbau, als auch im Nicht-Wohnungsbau.

Wir bieten einen sehr persönlichen Service an, der auf enge Zusammenarbeit mit unseren Auftraggebern basiert. Wir zielen darauf hin, unseren Projekten durch ein markantes Image, hohe Nutzerfreundlichkeit, wirtschaftliche Tragfähigkeit, zweckmäßige Planung und Ausführung Marktvorteile zu verschaffen. Durch koordinierte Leistungen auf sowohl internationaler, als auch örtlicher Ebene sind wir darauf vorbereitet, den Anforderungen und Maßstäben des neuen Europas gerecht zu werden.



Interamericana Building, Santiago, Chile



Hyatt Hotel, Santiago, Chile



Sigdo-Koppers Building, Santiago, Chile

ALEMPARTE BARREDA Y ASOCIADOS ARQUITECTOS

Head Office

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Key Personnel

Sergio Alemparte
Ernesto Barreda
Manuel Wedeles
Yves Besançon
J Gabriel Alemparte

Practice Profile

Alemparte Barreda y Asociados was founded in 1953 by two architects, Sergio Alemparte and Ernesto Barreda, after graduating from the Catholic University of Santiago. To this day they are still partners. The following architects have subsequently joined the company as partners: Manuel Wedeles in 1971; Yves Besançon in 1977, and José Gabriel Alemparte in 1980. In addition to the partners there is also an efficient team of 24 architects.

Throughout the firm's professional history, Alemparte Barreda y Asociados Arquitectos have been dedicated to architectural design, urban planning and interior design. Notable built works include hotels, office buildings, hospitals, housing, industrial works and urban transportation projects, amongst others.

The firm works primarily in Santiago, Chile. However, the firm has also carried out projects in different regions of Chile and in other countries such as Bolivia, Paraguay and Spain.

Running parallel to the firm's long professional history are the changes that have occurred in architecture over the past five decades, both in Chile and world-wide. In addition to the great number of works carried out in the most diverse programmes this has resulted in varied architecture that is not limited to one certain style. Each project has its own individual character.

Some of the most important national and international companies have entrusted Alemparte Barreda y Asociados Arquitectos with the design of their offices and other buildings. The company has thus developed a portfolio of different buildings that share the common characteristic of complying with the demands of the client.

The most important national, and renowned international hotels have been created and designed by Alemparte Barreda y Asociados Arquitectos for construction in Chile. The buildings are designed in keeping with their function and display a unique character that contributes to the sector of the city in which they are located. This team of architects has over 40 years of experience in designing housing. Innovative contributions can be seen in almost all constructions, which are increasing today with the construction of vacation condominiums for tourists in seaside resorts throughout the country.

Size of firm

5 Architects/Partners
4 Architects/Project Managers
20 Architects
6 Staff

Areas of specialisation

Hotels
Office Buildings
Residential Buildings
Residential Developments and Resorts

Past and future projects/clients

Past

Hotel Marbella Club – Inmobiliaria e Inversiones Marbella SA
Hotel Hyatt Regency – Hotel Corporation of Chile SA
Hotel Santiago Park Plaza – Inmobiliaria Lyon Plaza SA
Hotel Crowne Plaza – Holiday Inn
Hotel Sheraton San Cristobal – Sheraton International
Edificio de Capitales – Edificio de Capitales SA
Edificio Andino – Leasing Andino SA
Edificio Teatinos 280 – Compañía de Seguros de Vida El Rauli
Edificio Sigdo-Koppers – Sigdo Koppers SA
Edificio Torre Interamericana – American International Group USA
Edificio Esso – Esso Chile Petrolera
Hospital Naval las Salinas – Armada de Chile (Chilean Navy)
Hospital Fusat – Codelco – Chile División El Teniente
Condominios Las Brisas – Inmobiliaria Las Brisas SA
etc.

Future (Under construction or design phase)

Edificio Camara de Comercio de Santiago – Cámara de Comercio de Santiago
Edificio Merced-Miraflores – Moller y Pérez Cotapos
Edificio Mutual de Seguridad – Cámara Chilena de la Construcción
Edificio Birmann – Birmann – Brasil
Edificio Helvecia – Inmobiliaria Helvecia Ltda
Mall Del Centro – Mall Puente SA
etc



Learning Resource Centre, the Heart of Hackney



British Academy of Sport, Central Consortium, Loughborough



Motorola ECID, Swindon



The Welcome Trust, Genome Campus, Cambridge



Helicon Finsbury Pavement, London and Manchester Assurance Co Ltd

SHEPPARD ROBSON

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Key Personnel

Anthony Furlong, RIBA

Richard Young, RIBA

William Dickson, RIBA

Graham Francis, RIBA

Michael Forster, RIBA

Paul Watkins, RIBA

Size of Practice

Architectural Staff: 104

Technical Staff: 28

Total: 166

Recent Projects/Clients

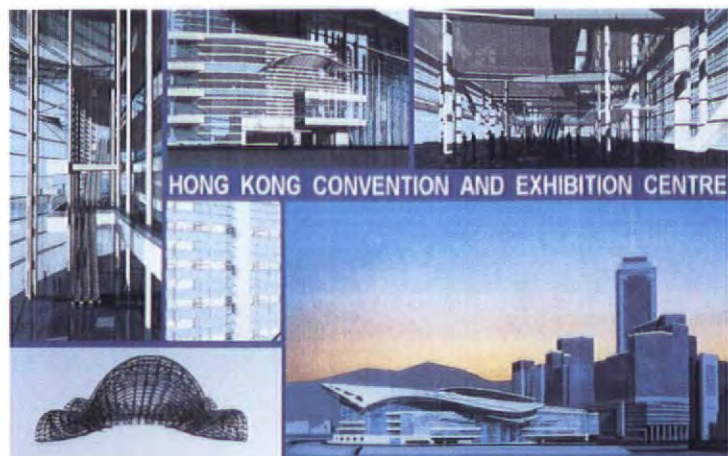
- British Academy of Sport, Central Consortium, Loughborough
- Motorola ECID, Swindon, Berkshire
- Learning Resource Centre, Heart of Hackney, London
- The Helicon, Finsbury Pavement, London, for London and Manchester Assurance Co Ltd
- European Headquarters for Dun and Bradstreet International
- Chelsea and Westminster Hospital for North West Thames Regional Health Authority
- King Saud University Hospital, Abha, Saudi Arabia for the King Saud University, Riyadh
- Research Campus, Stevenage for Glaxo Group Research
- The Wellcome Trust Genome Campus, Informatics and Research, Cambridge
- Master Plan for the Roehampton Institute, Roehampton, London
- Faculty of Humanities and Social Science and Student Residences for Manchester Metropolitan University

Practice Profile

Sheppard Robson is an established international architectural practice engaged in the disciplines of architecture, planning and interior design. With a diverse and interesting range of clients including market leaders, a wide range of institutions and government agencies in the United Kingdom and overseas, their objective is to apply creative thinking and control to the full spectrum of design from strategic planning to detailed finishes.

Over 150 design and technical staff supported by an advanced computer aided design system integrate skills to provide design excellence and distinctive cost effective responses to the needs of their clients.

During the past 50 years Sheppard Robson's commitment to design excellence and high standards has resulted in many professional and civic awards for architecture and planning.



Hong Kong Convention and Exhibition Center



Jin Mao Building, Shanghai



AT&T Corporate Center, Chicago, Illinois



Washington University, Psychology Building, St. Louis, Missouri



Sheraton Palace Renovation, San Francisco, California



Plaza Rakyat, Kuala Lumpur

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E-mail: info@som.com

Company Profile

Celebrating its sixtieth anniversary this year, Skidmore, Owings & Merrill LLP (SOM) is a partnership that provides complete professional services in the fields of architecture, planning, interior design, engineering, and management. Since its inception in 1936, SOM has undertaken a variety of commissions in the US and in more than 50 countries throughout the world. With a successful track record in projects of all sizes and types, clients can feel confident that they are hiring highly trained and experienced professionals to complete their goals and objectives.

The American Institute of Architects (AIA) has once again recognized SOM with the highest honour given to architectural firms, the 1996 Architecture Firm Award for distinguished architecture. SOM was the recipient of the first Architecture Firm Award in 1962 and is the first firm to win this award a second time.

SOM's diversified large and small scale projects include offices; financial institutions; commercial, industrial, and educational buildings; hotels; convention and exhibition centres; sports facilities; performing arts facilities; hospitals; transportation facilities, including airports, train stations, and subways; and recreational, religious, and residential facilities. Interior design is an integral part of SOM's practice, as is a broad range of urban planning projects, including redevelopment and reuse plans, impact assessments, and transportation planning analyses.

Firmwide Capabilities

While working closely with each client and responding to each client's needs, SOM integrates the following disciplines to produce appropriate design solutions: Architecture; Urban Site, and Environmental Planning; Interior Design; Structural Engineering; Civil Engineering; Building Services Engineering (Mechanical, Electrical, Plumbing, Fire Protection); Project Management

Representative Projects

Plaza Rakyat, Kuala Lumpur, Malaysia (transportation centre, office, hotel, retail, cinema); Worldwide Plaza, New York, New York; Sears Tower, Chicago, Illinois; Swiss Bank Corporation, Stamford, Connecticut; AT&T Corporate Center, Chicago, Illinois; Louise M Davies Symphony Hall, San Francisco, California; Lyric Opera House Renovation, Chicago, Illinois; Hong Kong Convention and Exhibition Centre, Hong Kong; Lisbon Expo '98, Lisbon, Portugal; Washington University, Psychology Building, St. Louis, Missouri; Columbia University, New York, New York; University of California, Berkeley, California; Sheraton Palace Renovation, San Francisco, California; Rows Wharf Boston Harbor Hotel, Boston, Massachusetts; Hyatt Regency, Cairo, Egypt; Hubert H Humphrey Metrodome, Minneapolis, Minnesota; Oakland-Alameda County Coliseum Complex, California; Soldier Field Reconstruction, Chicago, Illinois; San Francisco International Airport Terminal, San Francisco, California; Chicago Transit Authority Green Line, Chicago, Illinois; John F Kennedy International Airport, New York, New York; United States Air Force Academy Chapel, Colorado Springs, Colorado (recipient of 1996 25-Year Award, National American Institute of Architects); Islamic Cultural Center, New York, New York; Campus Crusade for Christ International, Orlando, Florida; Rockwell Center, Manila, Philippines; John Hancock Center, Chicago, Illinois; Riverside South, West New York, New Jersey; State Street Renovation, Chicago, Illinois; Saigon South Masterplan, Ho Chi Minh City, Vietnam; Andersen Worldwide Headquarters, Chicago, Illinois; New York Mercantile Exchange, New York, New York; Ayala Towers Interiors, Makati, Philippines.



New patient care tower for St. Francis Hospital Center, Hartford, Connecticut includes acute care and ambulatory services. (Photo: Scott McDonald, Hedrich-Blessing Photography)



Philippines Medical Center will incorporate the full range of diagnostic treatment and research facilities in a 1.2 million s.f. medical complex.



Cullman Regional Medical Center in Alabama integrates a new 115-bed hospital, ambulatory care center and medical office building on a 73-acre site. (Photo: Timothy Hursley)

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Wendell R Morgan Jr., AIA – President
Robert Hoye, AIA – Managing President
Susan Daylor, FMP – Vice President, Marketing

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Key Personnel

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Patrick B Davis, AIA – Vice President, Marketing

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Key Personnel

Fred C Frederick, AIA – Vice President
Dennis LaGatta, AIA – Vice President, Marketing

Practice Profile

Established in 1909, TRO is a 170-person planning and design firm specialising exclusively in health-related facilities. Currently TRO is ranked among the top 12 US healthcare facilities design firms (*Modern Healthcare* magazine April 1996). Our award-winning project experience ranges from the design of new, large scale "medical cities" – incorporating hospitals, ambulatory clinics, biomedical research laboratories, conference facilities and residences – to ambulatory care clinics and renovations of patient care floors. TRO has worked for over 400 clients around the world with construction volume totalling more than US\$3.5 billion. Projects are currently underway in the USA, Europe, the Middle East and the Pacific Rim.

Outstanding client service, coupled with a fundamental understanding of the ever-evolving demands of the healthcare delivery system are at the forefront of TRO's business philosophy. We work with our clients to define a standard of excellence that responds to their needs, with flexibility, imagination and the highest quality design services. The firm's record of repeat business is over 90 percent. Client relationships have spanned decades, some of them over 40 continuous years, attesting to our clients' utmost satisfaction with our performance.

Services Provided

Architecture
Interior Design
Space Planning & Programming
Real Estate Asset Consulting
Site & Facilities Master Planning
Project/Construction Cost Evaluation
Mechanical/Electrical/Plumbing and Fire Protection Engineering



Leonie Condotel



Institute of Technical Education Headquarters



Albert Court

TSP ARCHITECTS + PLANNERS PTE. LTD.

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Directors

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D Arch (Singapore)
FSIA APAM RIBA
MA (Urban Planning) MSIP

Goh Chong Chia
D Arch (Birmingham)
B Sc Hons Arch (Aston)
FSIA APAM RIBA

Yam Siew Chow
D Arch (Melbourne)
MSIA APAM RIBA ARAIA

Associate Director

Low Leong Leong
B Arch (Singapore)
BA (A.S.) (Singapore)
MSIA RIBA

History:

TSP Architects & Planners Pte Ltd is a long established regional practice with successful building, urban design and planning projects in Singapore, Malaysia, Indonesia, Brunei, Thailand and Hong Kong. The practice was formed in 1946 under the name of E J Seow. In 1970, after 24 years of steady growth, the name was changed to SLH Partners. Upon the retirement of E J Seow in 1974, the firm was renamed Timothy Seow & Partners. In 1988, the practice name was abbreviated to TSP Architects & Planners to reflect a more corporate image and in 1995, attained licenced corporate status to facilitate a multi-disciplinary practice with an enhanced competitive edge.

Design Philosophy:

TSP treat each project as a unique combination of opportunities: the values, aspirations and policies of the client are taken as springboards for architectural ideas. Discussions with clients generally involve frank exchanges of views, often leading to the raising of the "sights" of both the client and the architect. In our opinion, finding the best solution for the client's needs and providing the best quality of life for all the users are the key issues of architecture. A great deal of effort is put into understanding of the client's daily operations and long-term plans.

For each client, TSP aims to arrive at the optimum building form and appropriate architectural language achieved by the careful selection and adaptation of constructional vocabulary. The aim, in each case, is to bring together visual quality and an economy of means.

Teamwork is the essence of TSP's approach. Staff from TSP are constantly involved in architectural education, either as part-time teachers or as examiners, which enables them to keep in touch with emergent theoretical ideas. In addition, TSP are keenly involved with the Singapore Institute of Architects and arbitration works, and benefit from the professional contacts the Institute provides.

Awards

1st Prize

- Comcentre III Design Competition

Winning Design

- Institute of Technical Education Headquarters & Technical Institute
- HDB Design and Build, Woodlands N5C1

SIA Honourable Mention

- Commercial Category – Tong Building (1983)
- Residential Category – Mediterranean Townhouses (1983)
- Residential Category – Woollerton Park (1987)
- Mixed-use Category – Claymore Point (1991)
- Utility Category – Pasir Ris Telephone Exchange (1991)

CIDB award for Construction Excellence

- Sentosa Radio Tower (1994)



Passenger transfer system at Gate B, Frankfurt am Main airport, Frankfurt – the railway was required to integrate with existing airport buildings



Passenger transfer system at Gate B, Frankfurt am Main airport, Frankfurt – PTS station



Passenger transfer system at Gate B, Frankfurt am Main airport, Frankfurt – detail

ARCHITEKTURBÜRO WGK

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01109 Dresden
Germany

Badestraße 2
39114 Magdeburg
Germany

Werkstraße 215
19061 Schwerin
Germany

on site offices as required

Key Personnel

Dieter Krüger, Owner/Director
Wolfgang Everts, Manager of planning
Gerhard Koch, Manager of projects

Selected Projects

Office buildings:

Administration building and computer centre for Volksfürsorge, Hamburg
Administration building for LVA Mecklenburg-Vorpommern, Neubrandenburg
Administration building and computer centre for AOK, Hamburg
Administration building for Familienfürsorge, Detmold
Extension of administration building and computer centre for BHW, Hameln
Administration/Office/Hotel/Restaurant facilities on an old-factory site (including the integration of existing factory building) for Kreye, Hamburg

Public transport buildings:

Building extensions for Frankfurt am Main airport AG, Frankfurt (departures/air traffic control tower/flight and boarding gates/passenger lounges/passenger transport system)

Shopping centres:

Shopping mall Grand Central Station, for DSG, Hamburg

Healthcare buildings:

General Hospital for AK, Heidberg, Hamburg
Accident and Emergency Hospital for BUKH, Hamburg
Extension to University Hospital for UKE, Hamburg
Convalescence Clinic for BfA, Bad Homburg
Convalescence Clinics/reconstruction for the city of Schwerin
Neurological clinic/reconstruction for the city of Schwerin/Schwerin
Centres for occupational diseases for Bau-BG, Hamburg in
Neumünster, Schwerin, Rostock, Greifswald, Neubrandenburg, Lübeck, Flensburg

Educational projects:

Education and social centre for BWB, Königswinter
Workshops for the handicapped for HW, Hamburg

Housing:

Apartment and retail buildings for Mursch, Hameln
Apartment building for BHW Pensionskasse, Hameln
Apartment building for Jess, Hamburg

Refurbishment:

Chilehaus office building for Scandinavian Partners, Hamburg
Office and apartment building for SLT, Dresden
Apartment and retail building for BHW, Mainz

Town planning:

Urban framework planning, Frankfurt/Oder

Practice Profile

Architekturbüro WGK is one of the largest architectural practices in Germany, with well over 100 staff (architects and engineers account for 82 percent of total staff).

The company has long standing expertise in project management, outline and detail design, preparation of specifications and quantities (tenders), and in association with other companies can offer additional services in environmental, structural and landscape design. As illustrated in Selected Projects (above) WGK's portfolio stretches from public housing and hospitals to government offices. The company is also active in the world of competitions.

Through close collaboration with the engineer's office Ingenieurgesellschaft Krüger mbH (IGK) owner, Dieter Krüger, the company offers all services in the field of technical building equipment as well as structural engineering, load bearing systems etcetera, and covers both the clients' needs and specific project requirements.

Planning for hospitals and other health care buildings accounts for 40 percent of WGK's total output.



Landesversicherungsanstalt Mecklenburg-Vorpommern – model view



Landesversicherungsanstalt Mecklenburg-Vorpommern – front view



Landesversicherungsanstalt Mecklenburg-Vorpommern – staircases



Landesversicherungsanstalt Mecklenburg-Vorpommern – canteen

INGENIEURGESELLSCHAFT KRÜGER MBH (IGK)

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39114 Magdeburg
Germany

Building 184
Suite 1072
60549 Frankfurt am Main
Germany

Werkstraße 215
19061 Schwerin
Germany

on site offices as required

Key Personnel

Dieter Krüger, Owner/Director
Marcus Mohn, Representative
Wolfgang Everts, Manager of planning
Gerhard Koch, Manager of projects

Selected Projects

Office buildings:

Administration building for Deutscher Beamtenbund, Bonn
Administration building for LVA Mecklenburg-Vorpommern, Neubrandenburg

Shopping centres:

Mercado-Centre, Hamburg-Altona
Extension Wandsbek-Quarre, Hamburg-Wandsbek
(both projects for Büll + Dr Liedtke, Hamburg)

Healthcare buildings:

General Hospital for AK Heidberg, Hamburg
Accident and Emergency Hospital for BUKH, Hamburg
Centres for occupational diseases for Bau-BG, Hamburg in
Neumünster, Schwerin, Rostock, Greifswald, Neubrandenburg, Lübeck, Flensburg

Housing:

Apartment and retail building for Mursch, Hameln
Refurbishment and modernisation of Jägerstraße apartment and retail buildings for
Baudirektion, Berlin
New building and refurbishment of apartment and retail buildings for WGS,
Schwerin

Areas of specialisation

Masterplanning/project management, for building construction.
Technical building equipment: heating/air conditioning, sanitation, electrical installations – including conveying facilities.
Structural engineering/loadbearing systems.
Planning, calculations, construction supervision, inspection, construction accounts, efficient tests, consultation studies, expert opinions, technical software.

Practice Profile

The building design company, IGK (Ingenieuresellschaft Krüger mbH) offers complete solutions for all specialist fields of technical building equipment including outdoor and traffic concepts and stability checks. In addition, IGK is capable of supplying masterplanning for all building constructions.

In close collaboration with architectural design company W GK, the company offers all services in the fields of technical building equipment, structural engineering, load bearing systems etcetera, and cover clients needs and project requirements for the entire project. Project work is supported by the latest in computer technology



THE WHINNEY MACKAY-LEWIS PARTNERSHIP

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Services

Strategic Facilities Planning
Site Appraisals
Surveys
Feasibility Studies
Master Planning
Town Planning
Urban Design
Architectural Design

Space Planning
Interior Design
Furniture Procurement
Environment Engineering
Landscape Design
Communications
Project Management
Facilities Management

Clients

Banque Paribas
ING Barings
Prudential Portfolio Managers
Wates City of London Properties
Trafalgar House Properties
St Martins Property Corporation
Commercial Union
Association of British Insurers

Norwich Union
Reuters
Morgan Stanley International
Swan Hill Developments
Coopers & Lybrand
LIFFE
Credit Suisse
London Metal Exchange

Key Personnel

Jeremy Mackay-Lewis, *Chairman*
Chris Cotton, *Managing Director*
John Cox, *Director*
Anton Jansz, *Director*

Zsolt Moldán, *Director*
David Mun, *Director*
Graeme Rapley, *Director*
Steven Marriott, *Director*

Practice Profile

WML is a design house specialising in planning, architecture and interior design. The essence of our service to the client is excellence in design performing to time and budget limitations, and ensuring the highest standards from consultants and contractors.

Awards

Prince of Wales Award 1982, Civic Trust Award 1982, RICS/Times Conservation Award 1982, Victorian Society Award 1983, Access for the Disabled Award 1986, Evening Standard Award 1986, two Civic Trust Commendations 1987, City Heritage 1987, Civic Trust Commendation 1990, The Office Building of the Year Award – MIPIM 1993, International Marble Architectural Award 1993, The Natural Stone Awards Commendation for Interior and Exterior 1993, The Natural Stone Award New Building 1993, The Plasterers Award – Commendation for Fibrous Plasterwork 1993, The Tylers Award 1993, Virtual Reality Commendation 1994, Seeboard Business Energy Award 1992, Royal Fine Arts shortlisted for Building of the Year 1992.

MICHAEL WEINDEL

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Key Personnel

Dipl-Ing Wolfgang Eitel; Dipl-Ing Thomas Gierl; Dipl-Ing Gerd Peter Goossens; Dipl-Ing Bruno Schneller; Dipl-Ing Manfred Sebert

Recent Clients

Asea-Brown-Boveri, Mannheim
Bundesanstalt für Arbeit (Ministry of Labour)
BVB Bank, Bad Vilbel;
Heel
Caritas and itzel Foundation, Munich
Gesellschaft für Gesundheitsforschung (company for health research)
Staatliches Hochbauamt für Bundesbauten (the authority responsible for buildings paid for and used by the government)
Staatliches Hochbauamt für Bauten des Landes-Baden-Württemberg und Sachsen (the authority responsible for buildings paid for and used by the Baden-Württemberg and Saxonia region)
Philipp Holzmann Building Development
Ruland Clinics for Rehabilitation
Stadt Karlsruhe
SummaCrest Ethica Humana Inc, Texas, USA
Techniker-Krankenkasse, Hamburg

Practice Profile

The firm offers full architectural services, project development, master planning, space planning, programming and building analysis services. It has special experience in business complexes, office buildings, clinics, hotels, homes for the elderly and building refurbishment.

Nearly all commissions are the result of successful participation in over 190 architectural competitions. All projects have been developed to the full satisfaction of the clients and have received awards and coverage in domestic or international publications.

The firm achieves close collaboration with the client by retaining the same member of special project teams from the first design sketch stage through to the very last details of the project's realisation.

The architectural design process is mainly determined by the intentions of the client, the building programme and by maximum sensitivity to the site and its surroundings.

And there is a design philosophy: Modernism is not at all out.

Additional Information

As a main pilot project the office is building a large Medical Resort Park in Bad Herrenalb, Germany. It consists of a 300-apartment rehabilitation clinic, a 100-apartment clinic hotel, a housing project for the elderly, a medical practice centre and its automatic "Bergbahn" connecting this panoramic site on a mountain top overlooking the black forest with the railway station down in the valley. The project will be completed in 1997.

Captions:

1. Department of Work, Karlsruhe, Germany
2. Department of Work, Karlsruhe, Germany
3. Laboratory institutes, University of Leipzig, Germany
4. Town Hall, Eberbach, Germany
5. School Centre, Leinfelden, Stuttgart, Germany



1



2



3



4



5



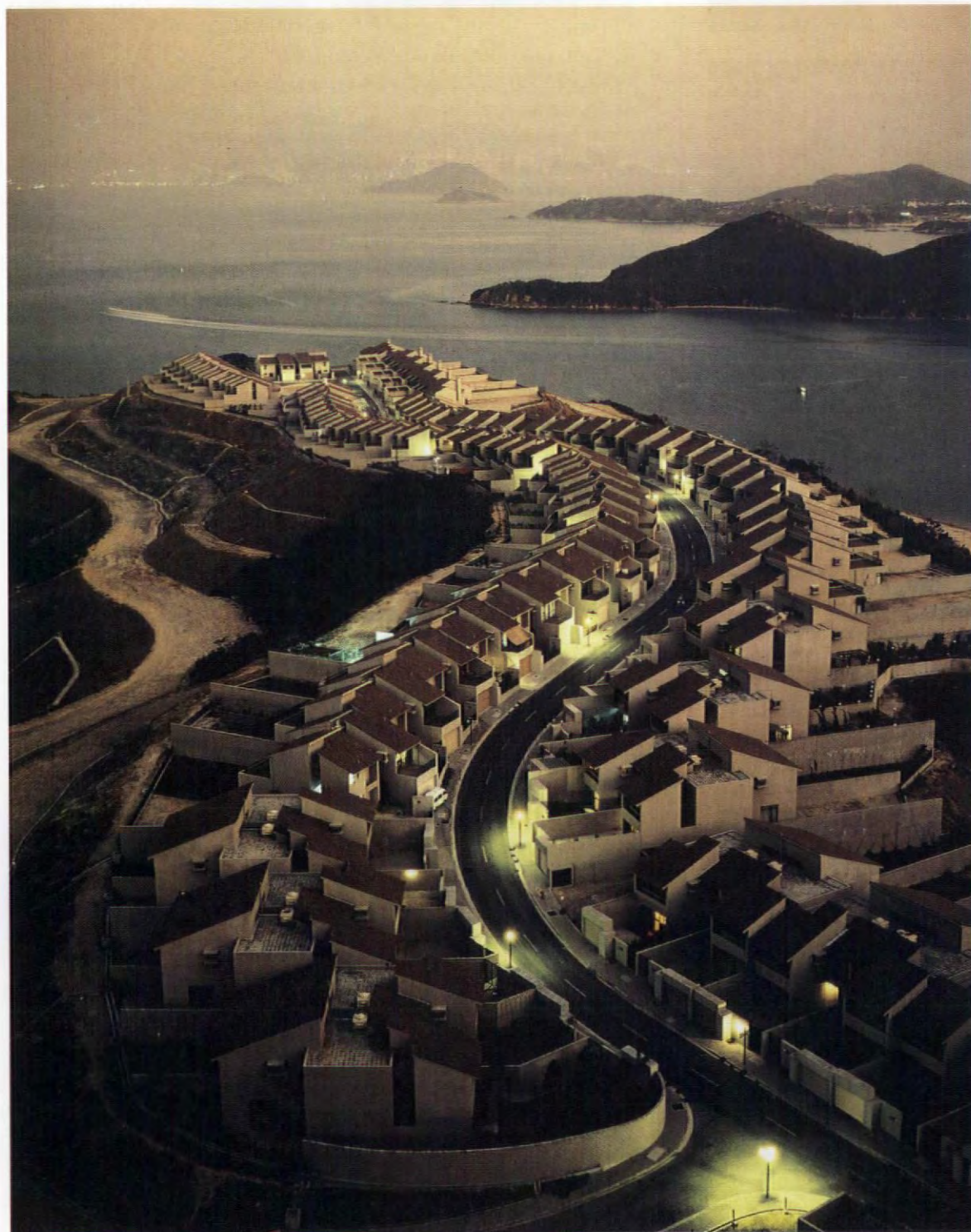
Dynasty Court, Hong Kong



The Enterprise Centre, Manila



Jin Jiang Tower Hotel, China



Discovery Bay Phase 1, Hong Kong



Olympia Plaza, Hong Kong



Valverde Tower, Hong Kong



Pamela Yonde Hospital, Hong Kong



The Three Gorges Dam Project, China



Li Po Chun Chambers, Hong Kong

WONG & TUNG GROUP OF COMPANIES

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Robert N Kessler FHKIA AIA FRAIA

Directors

Kenneth K K Kong HKIA RIBA FRAIA

Jim K P Tong HKIA RIBA ARAIA

Owen K W Tang HKIA RIBA

Practice Profile

Wong Tung & Partners was established in Hong Kong in 1963 and have been practising under the name of Wong Tung & Partners since 1984. Offices were opened in Dallas in 1961, in Atlanta, Georgia and Guam in 1972, and in Manila in 1975. An international extension of the Wong Tung Group, Wong & Tung International Limited, was formed in 1975. The Atlanta, Guam and Manila offices were established to meet requirements of specific projects. The group is now represented in these areas through affiliated practices, as well as in Canada, Australia, Singapore, Thailand and major Chinese cities. The group's activity in China started in 1978, since when representative offices have been set up in Shanghai and Guangzhou. Wong & Tung Computer Aided Drafting (Shenzhen) Co Ltd, a wholly owned subsidiary company, was formed in 1993. A joint venture design company, Zhong Tian Wong Tung International Engineering Design Consultants Co Ltd, was opened in Beijing, Peoples Republic of China in 1996. Wong Tung & Partners Ltd have also obtained certification to ISO 9001 from the Hong Kong Quality Assurance Agency for the provision of Architectural Constancy Services in Hong Kong. The practice has a total strength of over 250 professional and support personnel.

The group is structured to provide a broad base of planning and architectural services which have contributed to the successful completion of a variety of projects throughout South East Asia, the USA and the Middle East.

In providing comprehensive services from initial research and land assessment through design, construction and final inspection, the practice is in a position to meet both the client's needs and the project's requirements. The group's multi-disciplined and specialist personnel can also develop and produce solutions for virtually any type of development requested by the client.

In view of the expanding realm of international projects, the group has found it mutually beneficial to associate with other highly qualified architectural practices to contribute environmental background and local expertise. It also collaborates with other planning, architectural and engineering firms in the form of joint ventures whenever highly specialised projects require professional services.

Recent Projects/Client

Chek Lap Kok Airport Catering Facilities, Hong Kong/Cathy Pacific Airways Ltd; Dragon Centre, Hong Kong/Eton Group; Pamela Youde Hospital, Hong Kong Park/Hong Kong Government; Nine Queen's Road Central, Hong Kong/The Hong Kong Land Property Co Ltd; Ma On Shan Housing Development Hong Kong/Housing Department, HK; Pacific Centre, Qingdao/Hutchison Whampoa Ltd; Pacific Plaza Shanghai/K-Wah Group; Regency Park, Hong Kong/Kerry Properties Ltd; Eastern Plaza, Guangzhou/Lai Sun Development Ltd; Tsing Yi Station Development, Hong Kong/Mass Transit Railway Corporation; Telford Garden Redevelopment, Hong Kong, Yong Tai District, Guangzhou/New World Properties Development Ltd; Shanghai Square, Shanghai/Ryoden Property Development Co Ltd; Metroplaza Dynasty Court, Hillsborough, Hong Kong, Dong An Plaza, Beijing, Nan Fang Da Sha, Guangzhou/Sun Hung Kai Properties Ltd; Cityplaza, Taikoo Shing, Hong Kong/Swire Properties; Jin Jiang Hotel, Shanghai/Jin Jiang Group; Hyatt Hotel & Casino, Johannesburg & Cape Town/Legareon Realities (SA) (PTY) Ltd; Commercial & Residential Development, Bahrain/Orion Project Services.

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