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# CONTENTS



16

The Hub on Causeway, in Boston, USA, by Gensler - number 1 in this year's list.



12

Emergency measures: how global practices are responding to the climate crisis.



59

Out of Africa: find out who's on top in the WA100 regional charts

## 04 LEADER

## 06 SAFE HARBOURS

With the world facing a "synchronised slowdown", the WA100 survey finds optimism in short supply. Will the escalating trade war between the USA and China dent confidence further?

## 09 THE GLOBAL TALENT RACE

A closer look at the regions where skilled architects are most in demand - and how international companies are responding to the shifting jobs market

## 12 BUILDERS OF A NEW AGE

Architecture's big players are uniquely placed to help combat the climate crisis. So what are they doing about it?

## 14 TOP 100 CHART

The world's largest practices in 2019, ranked by the number of architects employed

## 16 WA100 PROFILES

A closer look at all top 100 practices - what they're building and what they're planning next

## 59 REGIONAL TOP 10

## 62 MARKET SECTORS TOP 10

## 65 SPECIALISMS TOP 10

## 69 INDEX

A Building Design supplement

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# A WAITING GAME

With employment levels at the world's top 100 architects oddly static, there is a growing sense that they are battenning down the hatches

This year's WA100 survey is perhaps most striking for the fact that the overall headcount of the world's top architectural practices has barely moved. The top 100 firms lost 510 architects from last year's total tally of 37,787 – a decrease of just 1.3%. The ten largest firms have generally expanded more than the smaller practices but this year the top ten added just seven architects – an increase of 0.05%.

Compare this to last year, when the architects employed by the top 100 leapt by 6.45% to the highest level ever recorded by our survey, and the top ten swelled by 7.29%.

The same firms once again occupy the top four places. Gensler retains its grip on the top slot with 2,817 architects, up 190 on last year. And it shows no sign of letting up, with a spate of new office openings in the pipeline.

Second-placed Nikken Sekkei increased its headcount by 41, and AECOM, retaining its spot in third place, recorded a drop of 96 to 1,637. HDR, in fourth, added 99.

There was some shuffling of the deck in positions five to ten, due to a change in the way Perkins + Will calculates its architect numbers. HKS parachuted back into eighth

after a year out of the top ten, displacing HOK, which slumped to 21st, again due to a change in calculation methods.

Among UK firms, Foster and Partners suffered the same fate and has been knocked off the local top spot by BDP, which added 88 architects by joining forces with Toronto-based Quadrangle. Third-placed Allford Hall Monaghan Morris climbed 14 places to 39th with a 25% increase in numbers.

The fall in the number of architects employed by the top 100 may be down to increasing caution about the prospects for the world construction economy. Just 55% of architects say the global construction economy will grow over the next 12 months, compared with 72% last year. This is the most pessimistic figure for five years.

Even in the world's most buoyant markets, optimism is tempered – 78% of practices think there will be growth in North America and the Pacific Rim over the next year, a drop from 92% and 83% respectively.

Firms are confident that the Chinese government will continue to spend on construction despite restricting real estate lending, as it wants to improve healthcare and



PREDICTING WIDER ECONOMIC TRENDS IS PARTICULARLY DIFFICULT WHEN THE US PRESIDENT HAS A TENDENCY TO MAKE UP POLICY ON THE HOOF

THOMAS LANE, WA100 EDITOR

education and to stop commercial and residential prices from increasing due to a lack of supply.

Several Chinese firms have entered the WA100 for the first time this year, including Arcplus, in at 28 with 432 architects, and CCDI, in 65th place with 183. Some Chinese WA100 regulars have grown significantly: Wong Tung & Partners took on 84 architects this year, a 63% increase in headcount. Chinese firms that have worked with big international practices

are taking on projects one tier down from the mega schemes – a trend that, coupled with a tightening market, could see some international firms exit China in the next couple of years.

Predicting wider economic trends is particularly difficult when the US president has a tendency to make up policy on the hoof. As the WA100 went to press, Trump stated he was in no hurry to resolve the US-China trade war before next November's presidential election. To date, the dispute seems to have made little dent on the North American and Chinese markets, with a clear majority of architects saying that tariffs had had no impact or had improved work prospects.

But few think this will continue: a majority believe work prospects in both markets will be damaged by the trade war in the coming year, with the greatest pessimism reserved for North America, where 54% predict a decline.

Architects remain pessimistic about prospects for work in Western Europe, the Middle East and Latin America. Amid all this uncertainty, firms may need to hunker down and hope for more predictable times ahead.

## HOW THE CHARTS WERE COMPILED

The data for the rankings and tables in this publication was gathered by UK communications agency Camargue on behalf of Building Design. Details and listings are the results of a survey sent out to over 1,000 architecture practices worldwide in October 2019 and analysed the following month. The listings contained within this publication are therefore based on declarations from the practices themselves.

### 2021 survey

To take part in next year's survey, contact Mike Conway:  
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Qingdao Haitian Complex under construction. Its architect, CCDI Group, is one of a wave of Chinese practices to have entered this year's WA100.

Fears of a slowdown are growing across most regions, with only the usual suspects of China and North America escaping the air of gloom, reports David Blackman

# SAFE HARBOURS

The slowing state of the global economy was clearly weighing on the minds of the world's leading architects as they completed this year's WA100 survey.

The proportion of practices that believe the global construction sector will grow during the next 12 months was markedly down on last year, when nearly three-quarters (72%) were predicting growth. This year's 55% is the lowest figure recorded over the past five years.

A third of respondents (33%) say that the market will be stagnant, reflecting the recent statement by International Monetary Fund managing director Kristalina Georgieva that the world is undergoing a "synchronised slowdown". The good news for global practices though is that the picture is sunnier in the world's leading markets: the Pacific Rim and North America.

### North America

Confidence is strongest in North America, where 78% of surveyed practices expect to see growth. While sentiment has slipped since last year, when 92% of practices were forecasting growth, the balance is still very positive.

Griff Davenport, chief executive of the USA-focused DLR Group (ranked 11 in this year's chart), has just completed his firm's plans for 2020 on the basis that it will see accelerated growth. "We're not seeing a slowdown and have a very healthy backlog which is great," he says.

Likewise, at Chicago-headquartered Perkins + Will (ranked nine), international strategy director Richard Marshall says that strong sales this year means the practice is in a good position to withstand any hiatus in activity during the months running up to next November's presidential election.

"The backlog is strong into 2020, which bodes well for election year, when, typically, people tend to hold off on real estate decisions."

At Canada-based IBI Group (ranked six), meanwhile, president David Thom agrees that there are lots of growth opportunities south of the border. "Notwithstanding the political situation, the economy is doing well," he says.

And there is particularly strong demand for space from sectors like technology, according to Andy Cohen, co-chief executive of top-ranked Gensler. "We're seeing

lot of foreign investors coming in and wanting to be part of the US expansion."

Canada, where Gensler is opening an office in Vancouver, is buoyant too, he adds – a picture confirmed by a recent survey by consultant Rider Levett Bucknall (RLB), which showed more cranes populating the skyline of Toronto, the country's capital, than any other North American city.

### Pacific Rim

This positive outlook is mirrored on the other side of the Pacific

**THE BACKLOG IS STRONG, WHICH BODES WELL FOR ELECTION YEAR, WHEN, TYPICALLY, PEOPLE TEND TO HOLD OFF ON REAL ESTATE DECISIONS**

**RICHARD MARSHALL, PERKINS + WILL**

Ocean, despite the looming threat of a trade war between the world's two powerhouse economies: the USA and China (see box, below).

As with North America, the proportion of firms expecting to

## TENSE TIMES: THE TARIFF EFFECT

Tariffs are a mounting source of concern for the world's biggest architectural practices.

Exactly a third of respondents to the WA100 survey report that trade tariffs have led to a decline in work prospects in the UK during the past year. This is even more marked than in China and North America, the focus of the most significant current trade tensions, where the figures are 31% and 27% respectively.

Concerns are sharpened as practices turn their thoughts to the upcoming year. Exactly half of practices believe that trade tariffs will result in a decline in North American prospects during the coming year, while 37% fear the same in the Pacific Rim.

Anxieties about Brexit were clearly on the minds of the 40% of respondents who believe work in the UK will suffer. The ripple effects from the British retreat from the EU are also no doubt clouding perceptions of the Western European market, with 30% predicting that tariffs will lead to declining prospects.

The outcome of the US-China trade wrangle will have an

even bigger impact on global construction. The main issue for the US market is the imposition of tariffs on imports of structural steel from China, which is a key source of the material. Gensler's Andy Cohen says the US has seen a "significant escalation" in costs.

But these increases have not resulted in any projects stopping or failing to move forward, he adds. At Foster and Partners, Matthew Streets agrees: "It hasn't materially reduced opportunities to date but it's a risk."

HDR's Doug Wignall, who is also non-executive of a manufacturing company, believes that the biggest problem surrounding tariffs is the uncertainty before they are introduced. "The fear in the marketplace is greater than when they occur. DLR Group's Griff Davenport agrees: "We're better placed than a year ago because at least the tariffs are known now."

The industry is likely to adjust to tariffs by making greater use of concrete as a structural material, he adds. "You will see more builders using concrete than steel structures because they can

just buy the raw material, and so minimise the effect of the tariffs."

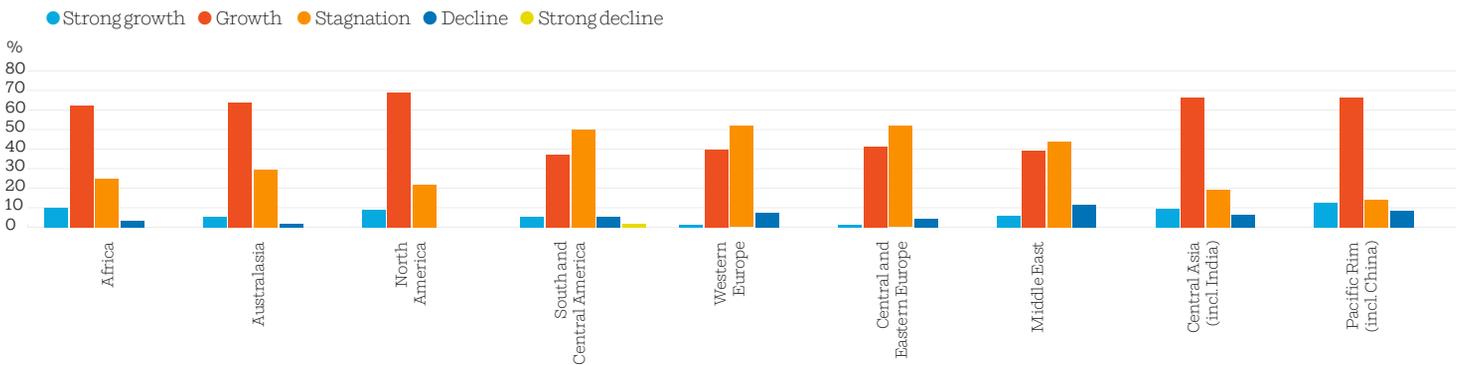
On the other side of the Pacific, Perkins + Will's Marshall argues that the imposition of tariffs has accelerated changes which the Chinese market was already undergoing. "The Chinese are repositioning their economy. Tariffs have sped up the contraction more than they would have liked because it means the debt has been a little harder to service and we are seeing unevenness in the speed with which Chinese clients have been bringing projects forward."

And while a large number of Chinese manufacturers are affected by the trade war, Aedas' Keith Griffiths has yet to see any impact on projects. He says the biggest factor in the Chinese market is the government's decision to tighten control over property finance. "They don't want the residential market to run away and they don't want speculation in the residential market so they are tightening up on funds available for construction. I don't think that's to do with the trade war."

## What are your feelings about the health of the global construction economy in the next 12 months?



## What are your feelings about the health of the construction economy in the following areas in the next 12 months?



see growth in the Pacific Rim is 78% - but the dip in confidence is not as marked, with 83% of respondents having predicted growth last year.

Kenneth Kwan, the Hong Kong-based chairman of RLB, says that even though the Chinese government has restricted real estate lending it is still committed to encouraging construction in order to keep a lid on commercial and residential property prices.

And while official Chinese economic growth rates of 5-6% may be at a 30-year low, these remain good by international standards, according to Matthew Streets, managing partner at Foster and Partners, once again voted the most widely admired architect in the WA100 survey. "Despite what people say, Asia is a resilient market," he says.

The impact of any slowdown has been less marked in social infrastructure sectors, such as healthcare, says Doug Wignall, president of fourth-ranked practice HDR. "There are certain

investments that the country wants to make on behalf of its population and health and education are top of the list," he says. But he adds that the wider Chinese market is becoming tougher: "There are probably some looking to depart that market because it's not as bullish as it was a year or two ago, especially if they are not working on the public side."

In addition, China's homegrown practices are maturing and becoming able to take on more ambitious projects. This year's WA100 is marked by the entry of a wave of Chinese-headquartered firms, and Wignall remarks that it was "only a matter of time" before Chinese designers, many of whom have worked with or for global practices, gained enough experience to go it alone. "Eventually they were going to be able to take on projects a tier or two below the projects they were working on at the large global practices, but these are large projects which can feed growth."

China is not the only part of

### EVENTUALLY LOCAL CHINESE PRACTICES WERE GOING TO BE ABLE TO TAKE ON LARGER PROJECTS WHICH CAN FEED GROWTH

**DOUG WIGNALL, HDR**

east Asia sparking interest among the globe's architectural leaders. Vietnam was ranked by WA100 respondents as the country with the second-biggest growth prospects in the next 12 months (see map, overleaf).

### Central Asia

The other region where sentiment remains relatively bullish is Central Asia, which is dominated by India. Even though the country's wider economy is in the midst of a slowdown, Gensler's Cohen is seeing "tremendous growth" in the country's market, spurring the world's biggest practice to open a new office in Mumbai that will complement its

existing base in Bangalore.

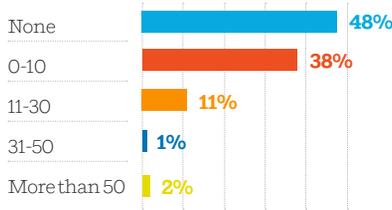
Masakazu Kimura, senior executive officer at the world's second-biggest architect, Tokyo-based Nikken Sekkei, also identify India as a growth hotspot. Overseas practices have often struggled to make headway in the Indian market due to regulatory hurdles. While acknowledging that working in India can be "complicated", Kimura says these headaches can be mitigated by working with local firms.

But it is still hard to compete on price with Indian practices. "They (clients) can get very good service locally at about a third of what they would with the USA, so they haven't really seen the need," says Perkins + Will's Marshall, adding that Indian clients will generally seek out overseas practices on specialised types of projects, such as healthcare.

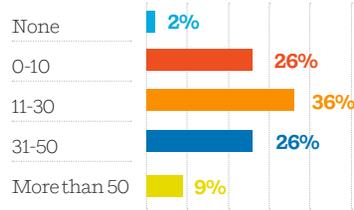
### Europe

WA100 respondents were generally most bearish about the Western European market, with

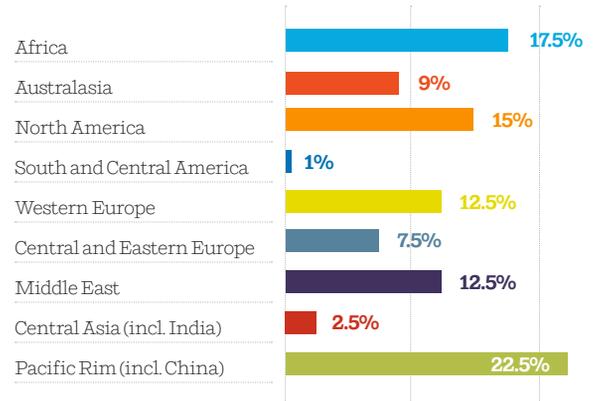
**How many architects do you expect to let go in the next 12 months?**



**How many architects do you expect to be hiring in the next 12 months?**



**In which region(s) of the world are you finding it most difficult to recruit skilled architects?**



**WHO'S HIRING? THE GLOBAL TALENT RACE**

The uncertain sentiment picked up in the main WA100 survey can also be detected in the feedback on hiring and firing intentions.

Nearly half of respondents (48%) expect to let nobody go over the next 12 months. This figure is slightly down on the 54% who gave this answer last year.

More than a third (38%) plan to get rid of up to ten architects, which is slightly up on last year (33%). Just over one in ten (11%) expected to make between 11 and 30 redundancies.

However, more practices still expect to have a bigger headcount this time next year. About one-third (36%) expect to hire 11-30 architects. And more than a quarter (26%) expect to be recruiting between 31 and 50, the same proportion who anticipate taking on one to ten.

The most difficult places to recruit skilled architects, according to the survey, are Africa and the Pacific Rim, with the latter identified by 23%.

DLR Group's Griff Davenport says that, while his practice will require more people over the next 12 months, this won't necessarily translate into a big increase in headcount. Instead, he says the focus in the company's US heartland will be on redeploying

staff in higher-growth parts of the country. "It's shifting to growing markets in the US," says Davenport, which in practice means transferring architects from regions such as the Midwest to economically stronger areas like Texas and the North Carolina Research Triangle.

HDR president Doug Wignall tells a similar tale: while the practice will hire more architects during the coming year, it is less of a growth model. For example, the company will be cutting back in certain regions, such as the Middle East, where operations will be smaller this year than last. "In some places where the economy has suffered more, we will 'right size', but we are not considering vacating any part of the planet," he says.

This reshaping may mean some staff leave the practice: "The worst thing you can do is eliminate staff who you spend time training and bringing into the company, but sometimes it doesn't work out because we don't have a position available or they don't want to move."

But a wider shake-out across the sector means HDR has more candidates to choose from. "You have to work out who you want and who you don't. In the best of

markets you are spending 90% of the time chasing people who are employed but we are seeing more and more people coming to us." Competition for the best staff is "as fierce as ever" though, he adds.

The profession is still suffering from the missing generation of architects, who never entered the profession due to the late

**IT HAS BEEN DIFFICULT TO ENABLE SOME OF OUR FOREIGN EMPLOYEES TO STAY IN THE USA**

**GRIFF DAVENPORT, DLR GROUP**

Noughties recession and would now be stepping up into more senior roles, says Davenport.

At Perkins + Will, Richard Marshall says that hiring junior employees is more expensive than it used to be. "The cost of living has gone up significantly in most of the locations we are based; people are having to ask for more money."

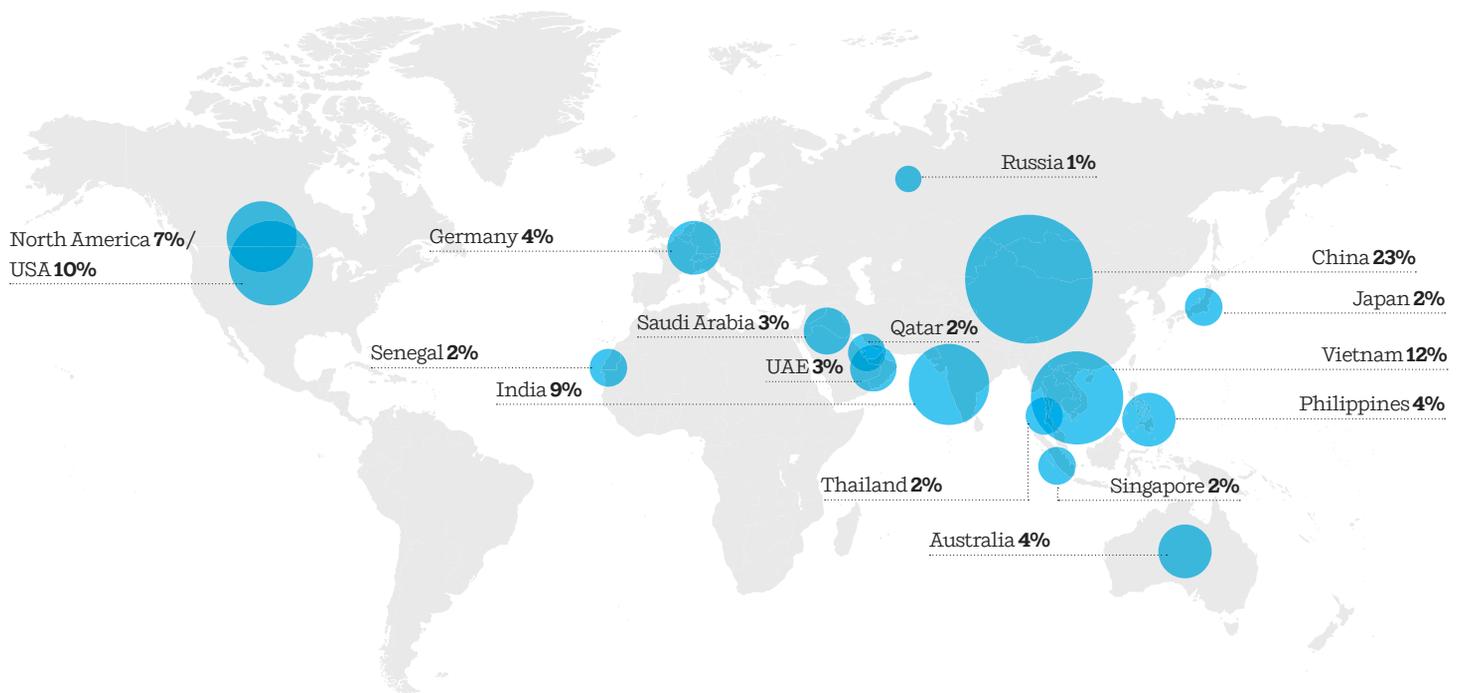
The pipeline of future architects in the US is healthy though, with enrolment on university architectural courses generally up, reflecting a renewed interest in the design professions. "It's a great time to be coming out

of college," says Davenport.

In order to address DLR's skills gap, he says the practice is tapping traditionally overlooked pools of talent by undertaking outreach work with traditionally black colleges in the southern states. At the same time, he adds, bringing in staff from overseas is an increasingly expensive process, due to the costs of renewing visas. "It has been difficult to enable some of our foreign employees to stay in the USA." In a bid to address this problem, DLR has been working closely with the American Institute of Architects and the federal government to make it easier for certain posts to be filled by overseas candidates.

Migration is a headache in the UK too, where tighter labour restrictions look inevitable if and when the country leaves the EU. Foster and Partners' Matthew Streets says that the practice is now employing a record number of architects, which he expects to largely stabilise this year. "Because of the relaxation in Tier 2 (visa rules), we have slightly more from the rest of the world and slightly less from the EU. People are still coming from Europe for the moment - we've not had a big exodus yet."

## Which country offers the most growth potential for architectural services?



only 41% forecasting growth next year, a very slight slip on last year's figure of 42%.

The outlook is barely more optimistic for Central and Eastern Europe, where 43% of practices foresee growth and 53% believe there will be stagnation.

IBI's Thom describes the UK as "fairly shaky". And the prognosis for Western Europe as a whole depends substantially on Brexit, which could have a "tangible impact" on the wider region, says Marshall: "It has a lot to do with exactly how things play out in the UK, which has ripple effects into Europe."

In the UK itself, where Perkins+Will purchased Pringle Brandon seven years ago, he sees "potential instability" around new-build commercial work as developers hold back from projects. By contrast, the company's corporate interiors business, which makes up about half of its London office, has benefited from the urge to stay put in existing space, creating more demand for refreshes.

Wignall, whose firm has recently bought the UK-based engineer Hurley Palmer Flatt, believes that the UK economy is capable of weathering political storms. "We have confidence that the market in the UK is going to be OK. The economy is on its own spin cycle independent of everything going on," he says, adding that the same could be said of the US. "It seems as though both countries' economies are mature enough to run autonomously of the worst of governments."

Similarly, he says, while HDR has seen "a bit of slowdown" in the German market, it is not significant: "It's a pretty stable and strong economy."

### Middle East

There is a gloomy outlook too for the Middle East. The proportion of practices forecasting growth next year (45%) just exceeds those predicting stagnation (44%), with 12% anticipating decline. The crucial Dubai market is still weak, says DLR Group's Davenport:

"There is a pent-up need but the economies are quite slow."

"Locations like Dubai have hit a real over-supply at the same time as the population is going backwards," says Marshall, noting that an outflow of overseas workers has led the Dubai authorities to relax liquor licensing laws in order to increase the availability of alcohol to tourists. "With the expats leaving, there aren't people buying booze, so they are opening it up."

But Foster's Streets is more optimistic about the Middle East: "There is a little more concern around the geopolitical situation but unless something awful happens, the market is still good."

### Latin America and Australasia

Latin America also seems stuck in the doldrums. Exactly half of respondents reckon that South and Central American markets will stagnate during 2020, comfortably outstripping the 43% who predict growth - a

picture only very marginally more optimistic than at this point last year.

However, individual practices are more bullish about work prospects. Perkins+Will is opening in Monterrey, Mexico in the first quarter of 2020 on the back of strong demand from local clients. And Marshall says that the economy in Brazil, where the company has its sole South American outpost, is performing better than it has done in nearly a decade.

The Australian market offers a potential ray of sunshine. Marshall's native country, where Perkins+Will is pursuing a couple of projects, is next on his agenda, he says: "The focus has been on the northern hemisphere but it's shifting south - we're looking quite hard at pulling the trigger on sending a couple of people down there."

That sounds like the kind of nimble move that architects will have to make in what looks set to be a bumpy year.



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# BUILDERS OF A NEW AGE

With carbon targets becoming ever tighter, the world's top architects are uniquely placed to take positive action. **David Blackman** reports on how they're changing their approach to business

This time next year, delegates from across the globe will be converging on the UK for the most significant global climate change talks in half a decade. The COP 26 conference, which will take place in Scotland's biggest city, Glasgow, is where governments will be expected to translate the lofty commitments from the earlier 2015 Paris conference into concrete action.

And architects will have a voice at the global event, the main proceedings of which will be held in the Foster and Partners-designed Scottish Exhibition and Conference Centre on the River Clyde. This is because the built environment lies at the heart of any climate policy. Buildings currently contribute around 70% of total global carbon emissions once both their construction and operation are taken into account.

The US-based Architecture 2030 pressure group estimates that, over the next four decades, the world will construct 230 billion sq m of buildings, the equivalent of a fresh New York City every 34 days. If current patterns of development continue, these new buildings and pieces of infrastructure could consume 60% of the carbon emissions budget available in order to keep temperatures from rising beyond the de facto target of 2°C above pre-industrial levels.

Griff Davenport, chief executive

of DLR Group, takes heart from the US profession's embrace of targets to halve emissions by 2030 and eradicate them entirely by the middle of this century. "The whole energy conservation movement is becoming part of doing great design and it's our responsibility as designers to bring clients solutions that are environmentally friendly."

Gensler has gone further with its Cities Climate Challenge, launched at the UN's recent climate change conference in New York, in which the world's biggest practice has called on the broader architectural profession and developers to reduce carbon emissions from their buildings to net zero by 2030.

Andy Cohen, co-chief executive of Gensler, says the practice has a particular responsibility, given the size of its footprint: 1.25 billion sq ft of Gensler-designed buildings have been delivered worldwide over the last year. "We want to lead the industry and the only way we can do this is from the front," he says, adding that the company is "laser-focused" on cutting carbon, which he claims is top of its priorities.

According to Gensler's latest Impact by Design report, the firm saved approximately 10.3 million metric tonnes of CO<sub>2</sub> (mtCO<sub>2</sub>) thanks to a 48% better than baseline performance for the buildings that it delivered

in 2018. Achieving carbon neutrality across Gensler's entire annual portfolio would save 21.5 million mtCO<sub>2</sub>, equivalent to keeping 5 million cars off the road every year or closing down two-and-a-half coal power plants.

HDR claims to have achieved similar improvements across the buildings it delivers and to be on track to hit its target of achieving a carbon-neutral portfolio by 2030. The practice has begun rolling out timber as a structural material rather than the more typical

## THE WHOLE ENERGY CONSERVATION MOVEMENT IS BECOMING PART OF DOING GREAT DESIGN

**GRIFF DAVENPORT, DLR GROUP**

steel and concrete. In California, for example, it was used for the practice's new Orange County Sanitation District headquarters project in Los Angeles.

This reflects how much of the pressure to improve eco-building standards is coming from public bodies, even in the USA, which President Trump has famously pledged to pull out of the Paris climate agreement. The federal nature of the USA's system of government means that individual cities and states are able to make progress on this agenda regardless of who is

occupying the White House.

Stringent sustainable buildings codes have been introduced in California, which go beyond the US LEED standard, stipulating not only that buildings should take no energy from the grid but also that they should feed it back in from renewable sources.

"The good news is that we are seeing big moves across the country," says Gensler's Cohen, adding that it is "really encouraging" to see municipalities embrace the green agenda. As an example, he points to New York City's recent passage of property tax incentives to encourage energy efficiency.

Nor are these higher environment standards simply the preserve of the coastal, Democrat-voting Blue states, he notes, pointing out that Minnesota is undertaking "proactive" moves to introduce a more stringent energy code.

There is also growing interest in the ultra-low Passivhaus standard in the USA and Canada, says David Thom, president of IBI Group. In his practice's home town of Vancouver, IBI is building what will be the world's tallest Passivhaus development. "Vancouver has embraced it as the way of the future," he says.

## "Pretty much everywhere"

The green construction agenda is being taken seriously "pretty



**Canada's Earth Tower in Vancouver, designed by Perkins + Will, reflects a shift away from traditional energy-intensive structural materials. The practice claims the building is set to be "the world's tallest hybrid wood tower".**

much everywhere we work", including the Middle East, says Matthew Streets, managing partner at Foster and Partners. "Not everyone embraces it and it's always a challenge, but clients are more and more open."

Where they are not, suggests Doug Wignall, president of HDR, it is the "responsibility" of architects to educate them.

Greater harmonisation of the plethora of building standards, such as LEED and the UK's BREEAM, would make life easier but is not a priority, says Cohen:

"It would take years and we don't have the time. If we do that, it's not a bad thing if we do it in parallel as long as it doesn't slow down other programmes." The key standards are all "very similar", he points out, adding that there will always need to be some variation due to differences in climate, land use and transport patterns.

Keith Griffiths, chairman of Hong Kong-based Aedas, argues that the cities that China is building will prove more energy-efficient than their Western equivalents. "China is going down

an extremely sustainable route of high-density cities. High-rise construction certainly uses more embedded energy than low or mid-rise but the lower energy used in the running of the buildings has to be taken into account. That payback is very fast indeed.

"The higher density, more compact and related to transport interchanges they are, the more sustainable they will be."

Restrictions on private car ownership and heavy investment in extensive underground mass transit rail

systems, including what is now the world's biggest in Shanghai, will also help to curb emissions, as will the construction of high-speed inter-city lines - the result of new restrictions on flight space. "Although designed for military reasons, these are driving people towards the rail system," says Griffiths.

### **A broader conversation**

The Japanese understanding of energy conservation, meanwhile, is slightly different, according to Masakazu Kimura, senior executive officer at Nikken Sekkei. The world's second biggest practice is increasingly thinking in terms of conserving energy over larger townscape areas rather than focusing on individual buildings.

And this "broader conversation" is taking place on the opposite side of the Pacific too, says IBI's Thom. "The whole discussion about climate change is driving many, many aspects of how our industry is responding."

The risk is though that even an event as high profile as COP 26 ends up as a talking shop and that business-as-usual carries on when everybody gets back to their offices.

That's a danger that must be avoided, warns HDR's Wignall: "Fundamentally one of the most important things as an industry is not only to talk about this but to deliver."



**The big list** WA100 is BD's annual survey of the world's largest practices ranked by the number of fee-earning architects they employ. This year, Sweco brings a European flavour to the top five, as the usual suspects hold on to the highest positions

RANK 2020	RANK 2019	NEW	PRACTICE NAME	COUNTRY	ARCHITECTS EMPLOYED	FEE INCOME (US \$MILLION)
1	1		Gensler	USA	2,817	
2	2		Nikken Sekkei	Japan	1,910	\$500-599m
3	3		AECOM	USA	1,637	\$600-699m
4	4		HDR	USA	1,590	\$400-499m
5	6		Sweco	Sweden	1,200	
6	7		IBI Group	Canada	870	
7	9		Aedas	China	821	\$240-249m
8	12		HKS	USA	777	\$260-269m
9	5		Perkins + Will	USA	762	\$600-699m
10	11		Perkins Eastman	USA	752	\$270-279m
11	13		DLR Group	USA	706	\$270-279m
12	19		Heerim Architects & Planners	South Korea	649	\$180-189m
13	=16		CannonDesign	USA	645	\$170-179m
14	10		DP Architects	Singapore	644	
15	18		SmithGroup	USA	608	\$210-219m
16	20		Haeahn Architecture	South Korea	597	\$100-109m
17	15		Stantec	Canada	573	\$330-339m
18	21		Nihon Sekkei	Japan	542	\$170-179m
19	22		ATP Architects Engineers	Austria	535	\$100-109m
20	23		gmp Architekten	Germany	497	\$90-99m
21	8		HOK	USA	492	\$300-309m
22	16=		White Arkitekter	Sweden	487	\$80-89m
23	26		ZGF Architects	USA	476	\$130-139m
24	30		BDP	UK	466	\$80-89m
25		•	RSP	Singapore	458	\$80-89m
26	32		HPP Architekten	Germany	454	\$60-69m
27	14		Foster + Partners	UK	452	\$200-209m
28		•	Arcplus Group	China	432	\$600-699m
29	29		NBBJ	USA	407	\$170-179m
30	28		Kume Sekkei	Japan	406	\$120-129m
31	31		Mitsubishi Jisho Sekkei	Japan	370	\$190-199m
32	38		ASYA	Philippines	346	\$10-19m
33	33		LINK arkitektur	Norway	339	\$60-69m
34	35		P&T Group	China	327	\$110-119m
35	34		DLN Architects	China	325	
36	36		LWK & Partners	China	322	\$80-89m
37	37		Kunwon	South Korea	312	\$100-109m
38	42		EHA Consulting Engineers	UAE	310	\$50-59m
39	53		Allford Hall Monaghan Morris	UK	297	\$50-59m
40	40=		National Engineering Bureau	UAE	279	\$60-69m
41	40=		Chapman Taylor	UK	277	\$40-49m
42	45		Dewan Architects + Engineers	UAE	272	\$60-69m
43	44		IDOM	Spain	271	\$50-59m
44	59=		Ronald Lu & Partners	China	270	\$60-69m
45=	46		Aidea	Philippines	265	\$10-19m
45=	52		Lemay	Canada	265	\$80-89m

RANK 2020	RANK 2019	NEW	PRACTICE NAME	COUNTRY	ARCHITECTS EMPLOYED	FEE INCOME (US \$MILLION)
47	55		PEK	USA	260	\$110-119m
48=	43		Architectus Australia	Australia	252	\$40-49m
48=	51		KEO	Kuwait	252	\$170-179m
50	59=		AXS Satow	Japan	251	\$80-89m
51		•	MVRDV	Netherlands	250	\$30-39m
52	47		Bates Smart	Australia	238	\$40-49m
53	39		Leigh & Orange	China	233	\$60-69m
54	58		Corgan Associates	USA	227	\$130-139m
55	57		DSP Design Associates	India	221	\$10-19m
56	84		Wong Tung & Partners	China	217	\$50-59m
57	50		Bjarke Ingels Group	Denmark	213	\$60-69m
58	48		B+H Architects	Canada	205	\$50-59m
59	54		GHD Woodhead	Australia	201	\$60-69m
60=	61=		Broadway Malayan	UK	200	\$40-49m
60=	65		Wilmotte & Associés	France	200	\$40-49m
62	61=		Archetype Group	Vietnam	199	\$20-29m
63=	63		Allies and Morrison	UK	186	\$40-49m
63=	67		Aukett Swanke	UK	186	\$20-29m
65		•	CCDI Group	China	183	\$40-49m
66	70=		Sheppard Robson	UK	181	\$30-39m
67	72=		Nordic - Office of Architecture	Norway	180	\$30-39m
68	74		Valode & Pistre	France	177	\$30-39m
69	72=		Jaspers-Eyers Architects	Belgium	172	\$20-29m
70	77		Page	USA	169	\$160-169m
71	66		Itten + Brechtbühl	Switzerland	162	\$50-59m
72	90		Visionarch	Philippines	160	\$5-9m
73		•	Surbana Jurong	Singapore	159	\$50-59m
74	76		10 Design	China	158	\$30-39m
75	64		Henning Larsen	Denmark	157	\$40-49m
76	81=		CF Møller Architects	Denmark	154	\$40-49m
77	70=		UNStudio	Netherlands	150	\$30-29m
78	68		SSH	Bahrain	148	\$70-79m
79	78		Progetto CMR	Italy	147	\$10-19m
80=	79=		CP Kukreja Architects	India	140	\$5-9m
80=	79=		Morphogenesis	India	140	\$5-9m
82	85		GF & Partners	Philippines	134	Under \$5m
83	87		A26 Architectures	France	130	\$20-29m
84	91		Sikka Associates	India	128	\$5-9m
85	88		Scott Brownrigg	UK	125	\$20-29m
86=		•	EPR Architects	UK	122	\$20-29m
86=	89		Pascall+Watson	UK	122	\$20-29m
88	92		Leo A Daly	USA	119	\$110-119m
89	96		Feilden Clegg Bradley Studios	UK	115	\$20-29m
90	86		AHR	UK	111	\$20-29m
91	98=		Diamond Schmitt Architects	Canada	110	\$20-29m
92=		•	Batlle i Roig Arquitectura	Spain	108	
92=		•	Squire & Partners	UK	108	
94	97		Saraiva + Associados	Portugal	106	\$20-29m
95		•	Hames Sharley	Australia	104	\$20-29m
96	93		Purcell	UK	102	
97		•	Gulf Consult	Kuwait	82	\$40-49m
98=		•	Boogertman + Partners	South Africa	72	\$10-19m
98=	81=		Warren and Mahoney	New Zealand	72	\$30-39m
100		•	Jestico + Whiles	UK	70	\$10-19m



**Above: The Hub on Causeway, by Gensler. The mixed-use development is on the site of the original Boston Garden arena.**

# 100-NATION ARMY

Gensler adds another 200 architects, while completing a string of showpiece projects

## 1 GENSLER

COUNTRY	USA
LAST RANKING	1
ARCHITECTS EMPLOYED	2,817

Gensler's grip on the top spot in the WA100 table has tightened further over the past year. The company has increased its architect headcount by nearly 200, swelling the number that it employs to 2,817, nearly half as many again as its nearest rival. This level of hiring reflects the "robust growth" that Gensler has seen across most of its practice areas, says the company co-CEO Andy Cohen.

And the expansion of the company, which already works in around 100 countries, shows no sign of letting up with Gensler eyeing new office openings across the globe. In North America, Gensler is opening a new office in Vancouver, while plans are on track to open an office in Frankfurt, following hot on the heels of its first continental European outpost in Munich. In China, where the company's current showpiece project is the 630m-tall Shimao Tower that is due to be completed in 2024, Gensler is setting up shop in the booming city of Shenzhen. And in India,

the practice is opening a new office in Mumbai, which will complement its existing one in the country's tech capital, Bangalore.

But the practice's US heartland remains its strongest market, says Cohen. The past year has seen the completion of a string of showpiece projects by the company. These include a just-completed new headquarters for streaming giant Netflix, located appropriately on Sunset Boulevard in Los Angeles and boasting studio space as well as offices.

Up the Californian coast in San Francisco, the practice has recently completed the Chase Center, an 18,000-seat arena that will provide a new home for the Golden State Warriors basketball team. The new venue for the NBA champions is one of a number of sports venues that Gensler is working on. Another is the old Boston Garden site, the venue of the city's Celtics basketball team, where Gensler is delivering a new mixed-use neighbourhood. The site, which sits directly on top of a train station, will see the delivery of 1.9 million sq ft of floorspace including new homes and a hotel as well as an expanded arena.

The practice is also repurposing fading shopping malls, which have been overtaken by the online retail revolution, like the late 1970s Westside Pavilion in Los Angeles, where Google has taken all 70,000sq m. Cohen says: "We're turning it inside out into a modern creative office building. We took a mall space and created a workplace of the future."

## 2 NIKKEN SEKKEI

COUNTRY	JAPAN
LAST RANKING	2
ARCHITECTS EMPLOYED	1,910

2020 marks the 120th anniversary of Nikken Sekkei, which retains its position as the world's second biggest architecture practice thanks to modest growth in headcount over the past year.

Of course, next year won't just be a big one for the practice but for its home town too, as Tokyo is joining the select band of cities to host the Olympics Games for a second time. Nikken Sekkei has just completed the 12,000-seat Gymnastics Center, one of three major new buildings being delivered for the Games. The building heavily features wood, including its 120m x 90m roof, in a nod to traditional Japanese housing.

Meanwhile, thoughts are already turning to Japan's next major showpiece event, the Osaka Expo, for which Nikken is working on the masterplan. But the company's most high-profile international project lies further afield: the renovation of the iconic Camp Nou stadium of Barcelona FC.

The company is also expanding its footprint in South-east Asia where it has established a new Thai subsidiary in Bangkok. Masakazu Kimura, senior executive officer, also identifies India and Russia as growth areas for the practice. In the latter, Nikken has won an international design competition to masterplan the Sberbank City Business Complex, which is intended to spearhead a new banking quarter for Moscow.

Important completions include the Shibuya Scramble Square, a 230m-high mixed-use skyscraper in Tokyo, located on top of Japan's fourth busiest commuter railway and boasting indoor and outdoor observation decks overlooking the city.



## 3 AECOM

COUNTRY	USA
LAST RANKING	3
ARCHITECTS EMPLOYED	1,637

Despite shedding nearly 100 architects, AECOM retains its position as the world's third biggest architectural practice.

The company differs from many more specialised practices in that its architecture service is integrated into the company's multidisciplinary offer. Architectural services are part of AECOM's wider digital design delivery platform, says Jennifer Dixon, UK&I design lead for the company.

Across AECOM as a whole, its latest set of results shows a slight increase in revenues to \$20.2bn, which it says was 'primarily driven' by continued growth in the Americas design business, which incorporates architectural services.

One of AECOM's most high-profile projects is in its own home city: the 18,500-seat basketball arena and entertainment complex it has been commissioned to design for NBA team The Los Angeles Clippers. Perhaps the most controversial, meanwhile, is the four jail towers it is designing to replace the notorious Rikers Island prison in New York.

Other major commissions in 2019 include a new central London base for Moorfields Eye Hospital in a project worth an estimated £200-£250m. AECOM is lead designer, working with Penoyre & Prasad and White Arkitekter, on the project, which will relocate the UK's leading specialist eye hospital from its current Victorian building to a site two miles away.

It has also secured a multi-million pound contract with Heathrow Airport as a multidisciplinary design team for its Future Terminal 2 Programme, including the demolition of the existing Terminal 1.





## 4 HDR

COUNTRY	USA
LAST RANKING	4
ARCHITECTS EMPLOYED	1,590

HDR has been on the acquisition trail over the past year, helping to consolidate the practice's fourth place in the WA100 table.

After sizing up opportunities in the UK, the US practice bought engineer Hurley Palmer Flatt, bringing with it a network of offices throughout Europe, the Middle East, Africa, and the Asia-Pacific region.

And HDR has been busy at home too, buying Berkeley-based Calthorpe Associates, whose founder Peter Calthorpe is a long-term leading light in the Congress for the New Urbanism. That acquisition looks like it has already paid off, with HDR announcing in September that it had won two urban planning competitions near rail stations in the 16 million population Chinese city of Chengdu, which is in the midst of building an eight-line metro network.



## 5 SWECO

COUNTRY	SWEDEN
LAST RANKING	6
ARCHITECTS EMPLOYED	1,200

After entering the WA100 last year, Sweco is the only European-headquartered company in the top 10.

The Swedish practice, which is part of a much bigger engineering consultancy, is exporting the sustainability principles that underpinned the development of the Stockholm district of Hammarby in its design of a new 20,000-home neighbourhood on similar former industrial site in the Chinese coastal city of Yantai.

In Stockholm itself, Sweco has converted electronics giant Philips' former Swedish headquarters into a hotel. The practice has also unveiled its proposed new vision for the growth of Malmö, which shows how encroachment on surrounding greenfield land can be avoided by building new districts on the islands off the Sweden's second city.

## 6 IBI GROUP

COUNTRY	CANADA
LAST RANKING	7
ARCHITECTS EMPLOYED	870

The Vancouver-based practice hit the headlines recently when it emerged that it is working with singer-songwriter Pharrell Williams on his plans to build a twin tower residential development in Toronto's Midtown business district.

IBI's main focus though during the past 12 months has been attempting to realise its ambition to become what David Thom, its president, terms a "technology driven design" company. Earlier this year, the practice bought Aspyr, which develops information communication technologies for the built environment, for \$2.3m. And in a more leftfield move, IBI bought SWITCH, an electric vehicle charging point provider, which is designed to enhance the practice's "smart city" offering.



**Above: Nanjing Suning Plaza, by Aedas.**

**Right: The Farm at Crossroad Commons, Merrillville, Indiana, by HKS.**

**Opposite top: Sweco's Ekonomikum study hall at Uppsala University, Sweden.**

**Opposite bottom: Orange County Sanitation District Administration Headquarters, California, by HDR.**

## 7 AEDAS

COUNTRY	CHINA
LAST RANKING	9
ARCHITECTS EMPLOYED	821

AEDAS has held onto its position as China's biggest architectural practice in the WA100 table despite the turbulence that has engulfed its Hong Kong base over the past six months.

The practice's highest profile completion the over the last year is the Passenger Clearance Building on the Hong Kong-Zhuhai-Macao Bridge, which links the 11 cities that make up the Greater Bay Area megapolis.

Its next round of projects are mainly mixed commercial, including the 380m-tall Zhuhai Hengqin IFC office building, which features a convention centre at the base. It is designing another two 300m-plus tall buildings and its fastest growing office is in Shenzhen where president Keith Griffiths anticipates the current 50-strong team will double in size over the next year.

## 8 HKS

COUNTRY	USA
LAST RANKING	12
ARCHITECTS EMPLOYED	777

HKS has celebrated its 80th anniversary this year by re-entering the top 10 of the WA100. After dipping out for a year, the practice increased its architect headcount from 711 to 777, enabling it to leapfrog several rivals to regain its top 10 place.

The practice's showpiece projects this year include a high energy proton beam therapy centre - one of only two in the UK - for the Christie cancer hospital in Manchester. Another is a new headquarters in Paris for French e-sports body, Team Vitality. As well as office space, the Haussmann-era building near Place de la République features high-tech rooms for content production and projection.





Left: Daechi Eunma apartment reconstruction, Seoul, by Heerim Architects & Planners.

## 9 PERKINS + WILL

COUNTRY	USA
LAST RANKING	5
ARCHITECTS EMPLOYED	762

Perkins +Will's major acquisition of the year was Penoyre & Prasad. The London practice, which is best known for its track record designing sustainable public and residential buildings, is headed by Sunand Prasad, a former president of the RIBA.

The practice also announced that Denmark's Schmidt Hammer Lassen Architects, which it bought last year, will be working out of Perkins+Will's studios in New York and San Francisco.

Perkins+Will's big wins this year include the competition to create a new office complex for the European Commission in Brussels as part of a five company consortium. And in Vancouver it is building Canada's Earth Tower, a 120m mixed-use scheme containing around 200 flats, which it claims will be the world's tallest wood structure building when complete.

## 10 PERKINS EASTMAN

COUNTRY	USA
LAST RANKING	11
ARCHITECTS EMPLOYED	752

The big news at Perkins Eastman has been that its founding partners, are stepping back from the running of the business that they set up 38 years ago. Bradford Perkins and Mary-Jean Eastman announced earlier this year that alongside president David Hoglund, they were transferring day-to-day responsibilities for the company to a new-generation leadership team. Shawn Basler, Nick Leahy and Andrew Adelhardt III have taken over as co-chief executive officers of the company.

Big wins for the practice include its selection to design a residential community on a vacant, 100-acre waterfront plot in Jersey City, while it has also been consulting on New York's plans for new facilities to replace the famous Riker's Jail when it closes.

## 11 DLR GROUP

COUNTRY	USA
LAST RANKING	13
ARCHITECTS EMPLOYED	706

The US practice edges still closer to the Top 10 after adding 31 architects. DLR continues to top the education rankings and last year completed its first school designs in China, where it has several projects underway.

The vast majority of DLR's work however remains in North America, where it ranks sixth for fee income and has recently opened new offices and expanded others.

The practice has also been working on eye-catching projects in other sectors, completing the \$315m modernisation of the 1920s Los Angeles Memorial Coliseum and the \$195m modernisation of Michael Graves' postmodern icon, the Portland Building in Oregon. DLR is currently working with Farshid Moussavi on the Ismaili Center for the Aga Khan in Houston, Texas - the first such centre in the US.

## 12 HEERIM ARCHITECTS & PLANNERS

COUNTRY	SOUTH KOREA
LAST RANKING	19
ARCHITECTS EMPLOYED	649

The highest placed South Korean practice is continuing to expand, with a rise of 47 architects propelling it 7 places up the rankings towards the top ten.

Heerim's strongest sectors are mixed-use and residential, with the practice ranked fourth overall for residential fee turnover. One of its key mixed-use projects is the Phnom Penh Olympia Tower, the sole high-rise building under construction in Cambodia. Rising 250m high, the office and serviced residences tower will be the tallest building in the country.

Heerim is also active in healthcare with hospital projects in Korea and Vietnam, and in aviation, where new wins include the design of a passenger terminal at Bata International Airport in Equatorial Guinea.

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**35 Spring Street**, Melbourne, winner of the 2018 Australian Institute of Architects Frederick Romberg Award for Residential Architecture.





**Left: The Skyview, Hyderabad, by DP Architects.**

**Below: CannonDesign's Mount Sinai Medical Center, Skolnick Surgical Tower and Hidebrandt Emergency Center, Miami.**

**Opposite top: National Aviation Museum, Seoul, by Haeahn Architecture.**

**Opposite bottom: McGregor Square in Denver, Colorado, by Stantec.**

## 13 CANNONDESIGN

COUNTRY	USA
LAST RANKING	16=
ARCHITECTS EMPLOYED	645

The US practice edges closer to the WA100 top ten after adding another 15 architects last year. Cannon remains particularly strong in the fields of health/hospitals and education, ranking fourth and sixth respectively.

The practice sees both these markets, and its other key areas of science and commercial spaces, holding strong. It has a particular expertise in mental healthcare, and is currently working with Sheppard Pratt Health System on an 85-bed campus in Maryland. The practice worked with eight out of the top ten children's hospitals in the US last year and is also building up a track record in centres for holistic recreation and wellness.

The practice last year merged with healthcare consultancy Blue Cottage Consulting.



## 14 DP ARCHITECTS

COUNTRY	SINGAPORE
LAST RANKING	10
ARCHITECTS EMPLOYED	644

Singapore's highest-placed practice slips out of the top 10 after architect numbers fell by 83. Nonetheless, DP Architects still employs 1,110 staff across 16 international offices.

The practice saw most success in large-scale and mixed-use developments, sports and community hubs and retail in Asia, and is hoping to make further inroads into the Chinese and Indian markets. It is already active in both countries, with projects including urban planning for part of Guangzhou Knowledge City and the 22-storey Skyview office building in Hyderabad, both due to complete in 2020. Domestic projects include a campus for Raffles Girls' School. DP also anticipates growth in the smart building sector.

## 15 SMITHGROUP

COUNTRY	USA
LAST RANKING	18
ARCHITECTS EMPLOYED	608

SmithGroup reports steady growth in all its major markets including its largest sector of health and hospitals, in which it ranks seventh overall for fees. Health projects include the 12-storey Sutter Health CPMC Van Ness Campus in San Francisco. Delivered a year ahead of schedule, this incorporates viscous wall dampeners to ensure the facility can withstand a major earthquake and remain functional.

Recent completions include a headquarters for DC Water in Washington DC, while in China it has masterplanned the 300,300sq m SGMW research campus in Liuzhou, Guangxi.

SmithGroup has added two more US offices with the opening of bases in Milwaukee and Denver.



## 16 HAEAHN ARCHITECTURE

COUNTRY	SOUTH KOREA
LAST RANKING	20
ARCHITECTS EMPLOYED	597

The South Korean practice moves up four places in this year's rankings. In 2019, Haeahn opened a new office in Riyadh as part of its focus on large-scale masterplanning and commercial mixed-use work in the Middle East, where it is already active in Qatar. Haeahn also has an office in Baghdad, and is planning to get involved in the reconstruction efforts now underway in Iraq.

In its main domestic market, notable projects include the 18,250sq m National Aviation Museum and the 23,750sq m National Assembly Smart Work Center and Press Center, which are both under construction in Seoul and due to complete in 2020.

## 17 STANTEC

COUNTRY	CANADA
LAST RANKING	15
ARCHITECTS EMPLOYED	573

The Canadian engineering and architectural group experienced a reduction of 67 in its architect numbers but remains a major presence in the North American market, where it is ranked third for fee turnover.

Stantec is strongest in health, commercial and education work, with projects on site including the CAD\$1.3 million Mackenzie Vaughan Hospital in Ontario, Yale University Science Building in New Haven and the University of Edinburgh Institute for Regeneration and Repair.

Its strategy is to grow its presence within the US market across all its sectors. Last year, Stantec's acquisitions included Australian firm Wood & Grieve Engineers, UK-based Peter Brett & Associates and Cergetec of Canada.

## 18 NIHON SEKKEI

COUNTRY	JAPAN
LAST RANKING	21
ARCHITECTS EMPLOYED	542

Transit-oriented development continues to be the focus for Japan's second highest placed practice. Nihon Sekkei is ranked seventh in the Pacific Rim market with work in Japan, China and the ASEAN region. These include the 208,000sq m Silk Road International Cultural Exchange Center, at Langfang City in Hebei Province, China, which is due to complete in 2020. Japan-based projects include Nihonbashi 2-chome, a 286,179sq m office, retail and conference centre in Tokyo, and the 37,000sq m OMO7 Osaka Shin-Imamiya hotel in Osaka.

While Nihon Sekkei is particularly strong in the offices/corporate sector, the practice works broadly across other sectors including masterplanning, education and government.



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**Left: Bucerius Kunst Forum art museum in Hamburg, by gmp Architekten.**

**Below: University of Glasgow Research Hub, by HOK.**

PHOTO: MARCUS BREDT

## 19 ATP ARCHITECTS ENGINEERS

COUNTRY	AUSTRIA
LAST RANKING	22
ARCHITECTS EMPLOYED	535

The Austrian practice continues its expansion, with the addition of 25 architects pushing it into the top 20. ATP became the major shareholder of Mint Architecture AG in Zurich and also acquired a 30% stake in Swiss-based FactoryXperts, a baking industry consultancy.

ATP reports increased turnover for 2019 as it pursues a policy of organic growth across its diverse core sectors. Projects due to complete in the coming year include the T2 terminal at Berlin-Brandenburg Airport and the largest grain mill in Europe, GoodMills at Krefeld.

Based in Innsbruck with offices in nine further cities, ATP ranks second in both the Western and Central & Eastern Europe income tables.

## 20 GMP ARCHITEKTEN

COUNTRY	GERMANY
LAST RANKING	23
ARCHITECTS EMPLOYED	497

Last year gmp's workload was split evenly between the Pacific Rim and Western Europe. The highest ranked German practice had success winning competitions in both regions, most notably the contest for the modernisation and restructuring of Hans Scharoun's renowned Staatsbibliothek in Berlin.

gmp also won competitions for the 134,300sq m China Telling Communications Building and the 250m-high Hengli International Building both in Shenzhen.

Last year's completions include the Olympic Sports Center in Suzhou, China and the Bucerius Kunst Forum art museum in Hamburg.

## 21 HOK

COUNTRY	USA
LAST RANKING	8
ARCHITECTS EMPLOYED	492

HOK's fall down the rankings from 8 to 21 follows a change in the way the practice calculates its architect numbers. The US practice, which has a network of 24 offices across the world, is most active in its core North America market where it retains its seventh position on fee income.

This region was the location for its most significant recent architectural projects in healthcare, aviation and sport, including the Stanford Center for Academic Medicine in California and the Las Vegas Ballpark.

Looking ahead for 2020, the practice expects continued growth across many sectors including corporate workplace, aviation and transportation and healthcare.



IMAGE: AHORAPHIX



Far left: Varberg Observation Tower, Sweden, by White Arkitekter.



Left: Alliance Manchester Business School, by BDP.

PHOTO: BDP / NICK CAVILLE

## 22 WHITE ARKITEKTER

COUNTRY	SWEDEN
LAST RANKING	16=
ARCHITECTS EMPLOYED	487

White Arkitekter's fall out of the Top 20 follows a drop in architect numbers of nearly 150 in 2019.

The Swedish practice continues its commitment to sustainable design with its much-anticipated Skellefteå Cultural Centre - the world's tallest wood building - due to complete in the coming year. It has also won a competition for a 12m-tall observation tower constructed entirely of wood for the municipality of Varberg. In Leeds, it is working on the £125m Climate Innovation District housing, while in London its Gascoigne East phase two housing in Barking will deliver 526 Scandinavian-style apartments with roof-top greenhouses and low-carbon energy systems.

## 23 ZGF ARCHITECTS

COUNTRY	USA
LAST RANKING	26
ARCHITECTS EMPLOYED	476

ZGF moves up three places after adding another 51 architects in 2019. The vast majority of the US practice's work is in North America, where it has six offices in the US and Canada.

Its biggest two sectors last year were health and hospitals and offices, with projects including the Lundquist Institute for Biomedical Innovation in Torrance, California and the Microsoft Campus modernisation in Redmond, Washington. In Canada, a significant proportion of its work has been in mixed-use developments and transit.

Further organic growth is planned for 2020, when notable completions will include the Stanford University Biomedical Innovation Building for Stanford Medicine in Palo Alto, California, and Expedia Group headquarters in Seattle.

## 24 BDP

COUNTRY	UK
LAST RANKING	30
ARCHITECTS EMPLOYED	466

BDP continues its upward trajectory after increasing its architect tally by 88, in the process becoming the UK's highest placed practice. Turnover rose by 21.8% to a new high of £106.8m, with pre-tax profit of £9.5m. Last year BDP opened a Singapore studio as well as opening new studios in Liverpool, Leeds and Cardiff.

The practice reports that the office sector was its biggest source of work, accounting for 40% of its turnover. A further 35% came from retail, healthcare and education, with a 'strengthening' of work in the residential and historic sectors. The latter includes its flagship project to restore and renew the Palace of Westminster in London.

## 25 RSP

COUNTRY	SINGAPORE
LAST RANKING	NEW
ARCHITECTS EMPLOYED	458

The Singaporean multidisciplinary practice is this year's highest new entrant. Established more than 60 years ago, RSP has a turnover of \$80-89m, split between the Pacific Rim, its largest market, and the Middle East, where it ranks tenth highest for fee income.

While it was busiest last year in the retail, mixed-use and office sectors, it has a diverse portfolio including the restoration of the Grand Park City Hall hotel in Singapore, the 422,000sq m Nakheel Mall in Dubai and the first Hindu Mandir cultural complex in the Middle East, on site in Abu Dhabi.

RSP is currently executive architect on Asia's largest wooden building, the 40,000sq m Academic Building South designed by Toyo Ito & Associates at Nanyang Technological University in Singapore.



- 1. Paradis Express**  
Liège - Belgium
- 2. Nike ELC**  
Laakdal - Belgium
- 3. ZIN**  
Brussels - Belgium
- 4. BNP Paribas Fortis HQ**  
Brussels - Belgium
- 5. Quatuor Building**  
Brussels - Belgium
- 6. Spectrum**  
Brussels - Belgium

In coop. with : 1. A2M & BAG - 3. 51N4E & L'AUC  
4. BE Baumschlager Eberle, Styfhals & Partners in coop.  
with Jaspers-Eyers Architects

# JASPERS-EYERS ARCHITECTS

26 HPP

COUNTRY	GERMANY
LAST RANKING	32
ARCHITECTS EMPLOYED	454

The German practice moves up six places after adding just short of 100 architects to its books in 2019. HPP's main markets are Germany, Turkey and China, where it added a third office - in Shenzhen - last year and it aims to enter another market within Western Europe in the coming few years.

HPP has a diverse current workload. It is nearing completion on the 258m-high Shenzhen North Station Huide Tower in China as well as a new football arena for SC Freiburg in Germany and the 170,000sq m AND Pastel residential and commercial district in Istanbul, Turkey.

Looking ahead, it is planning to boost its expertise in the science and technology (including industrial) sector as well as retail and residential.

27 FOSTER + PARTNERS

COUNTRY	UK
LAST RANKING	14
ARCHITECTS EMPLOYED	452

It's a mixed picture for the UK practice, which reports a rise in fee income (to \$200-210m), but drops down the table after a sharp fall in architect numbers due to a change in the way these were calculated. While its revenue in Australasia and Central Asia rose, it fell in North America and Africa, and remained steady in the Middle East and South America.

The Pacific Rim was its biggest market. Here, Fosters opened a new office in Shenzhen where it is designing a 350m-tall office tower for China Merchants Bank. It also broke ground on its first project in the Philippines, a residential tower in Manila.

In Europe, wins included a competition for the Bilbao Fine Arts Museum and the conversion of a West Oxfordshire airfield into the Mullin Automotive Park.

28 ARCPLUS GROUP

COUNTRY	CHINA
LAST RANKING	NEW
ARCHITECTS EMPLOYED	432

The China-based new entrant offers a wide range of building services from architecture and engineering to landscape design and water engineering. Arcplus works predominantly in China, and ranks highest in this year's Pacific Rim fee income rankings.

The practice works broadly across the disciplines, with particular strength in mixed-use work as well as residential, offices, health, hospitality and cultural sectors. Diverse projects include the Shanghai Garden of International Horticultural Exhibition 2019 in Beijing and the Shanghai Planetarium and Shanghai International Finance Center. Outside China, Arcplus has designed a conference center in Zambia, a diplomatic academy in Tunisia and two hospitals in Kuwait.

29 NBBJ

COUNTRY	USA
LAST RANKING	29
ARCHITECTS EMPLOYED	407

The US practice added another 26 architects in 2019, with the lion's share of NBBJ's work in North America, where it has six of its ten offices.

NBBJ continues to perform strongly in both the health/hospitals and the offices/corporate sectors, ranking fifth and seventh respectively in the fee income tables.

Significant projects due for completion in 2020 include Rainier Square, a 59-storey mixed-use skyscraper that will be Seattle's second tallest tower. In Columbus, Ohio, the practice will also complete the Big Lots Behavioral Health Pavilion at the Nationwide Children's Hospital this year. This will be the largest, freestanding pediatric research and treatment facility in America.



PHOTO: SEAN AIRHART



## 30 KUME SEKKEI

COUNTRY	JAPAN
LAST RANKING	28
ARCHITECTS EMPLOYED	406

The Japanese practice reports a “steady” year, with sales exceeding 10 billion yen (£72m) for the sixth consecutive year.

All of its work is in the Pacific Rim, with the lion’s share from its domestic market. Kume Sekkei expects the current favourable market to continue in Japan until the mid 2020s, helped by strong growth in the tourism industry. In response, the practice has strengthened its property/construction management expertise to meet the needs of hotel operators.

Kume Sekkei’s four strongest sectors are offices, hospitality, government and healthcare/hospitals. Internationally, the practice plans to continue to grow its subsidiaries Kume Design Asia in Vietnam and Kume Design China.

## 31 MITSUBISHI JISHO SEKKEI

COUNTRY	JAPAN
LAST RANKING	31
ARCHITECTS EMPLOYED	370

All of the growing Japanese practice’s work is in the Pacific Rim, where it ranks fifth in the regional fee income tables. Mitsubishi Jisho Sekkei’s most significant sector is offices/corporate, which accounts for \$128.4m of the practice’s £199.5m fee income. Recent completions include Japan Sport Olympic Square, an office and museum in Tokyo.

Other sectors include, hospitality and education, with ongoing work including the 20,400sq m Academic Ark at Otemon Gakuin University in Osaka, Japan. In China, the practice is on site with Yungu School, an international school located in the Hangzhou region of Zhejiang, China. Designed for Jack Ma, founder of Chinese conglomerate the Alibaba Group, the project is due to complete in the summer.



## 32 ASYA

COUNTRY	PHILIPPINES
LAST RANKING	38
ARCHITECTS EMPLOYED	346

The highest placed Philippines practice in the rankings moves up the table after adding another 45 architects to its tally. ASYA plans further expansion, both regionally into other Asian countries, and through diversification into mixed-use development in addition to its main sectors of retail and residential.

In 2020, the practice will complete Glas, a 102,000sqm, 42-storey office tower and the 161,200sq m CCF School, both in Ortigas Center Pasig City within the Metro Manila region.

As well as architecture and engineering the ASYA group offers design and build, construction management and property management services as part of a one-stop shop service.

## 33 LINK ARKITEKTUR

COUNTRY	NORWAY
LAST RANKING	33
ARCHITECTS EMPLOYED	339

The Norwegian practice increased its network of offices in Sweden last year with the opening of a new studio in Gothenburg - its eighth in the country. Norway, nonetheless, remains LINK’s biggest market, followed by Sweden and then Denmark. The practice is currently working on major hospital projects in all three countries including the 170,000sq m New University Hospital in Aalborg, Denmark, and is looking to expand beyond Scandinavia in this sector in the coming year.

While hospitals and healthcare remains its largest sector, the practice is also active in education, housing and offices. LINK has increased its focus on urban planning and sustainability with projects including the development of a new fjord town at Lierstranda in Norway.

Opposite: Rainier Square, Seattle, by NBBJ. Top left: Academic Ark at Otemon Gakuin University in Osaka, by Mitsubishi Jisho Sekkei. Top right: Vennesla church, Vest-Agder county, Norway, by LINK Arkitektur.

**Right: Security Forces Medical City mosque, Riyadh, Saudi Arabia, by P&T Group.**

**Below: Nanning Logan Century, Guangxi, China, by DLN Architects.**



## 34 P&T GROUP

COUNTRY	CHINA
LAST RANKING	35
ARCHITECTS EMPLOYED	327

Established in 1868, P&T Group lays claim to being the oldest and largest international architectural engineering practice in South-east Asia. Last year it added 21 architects, nudging it up another notch up the rankings.

While residential continues to be its strongest sector, the practice is also busy in education, hospitality and office work with projects including the 22-storey K11 Atelier office development in Hong Kong and the mixed-use Raffles City Chongqing.

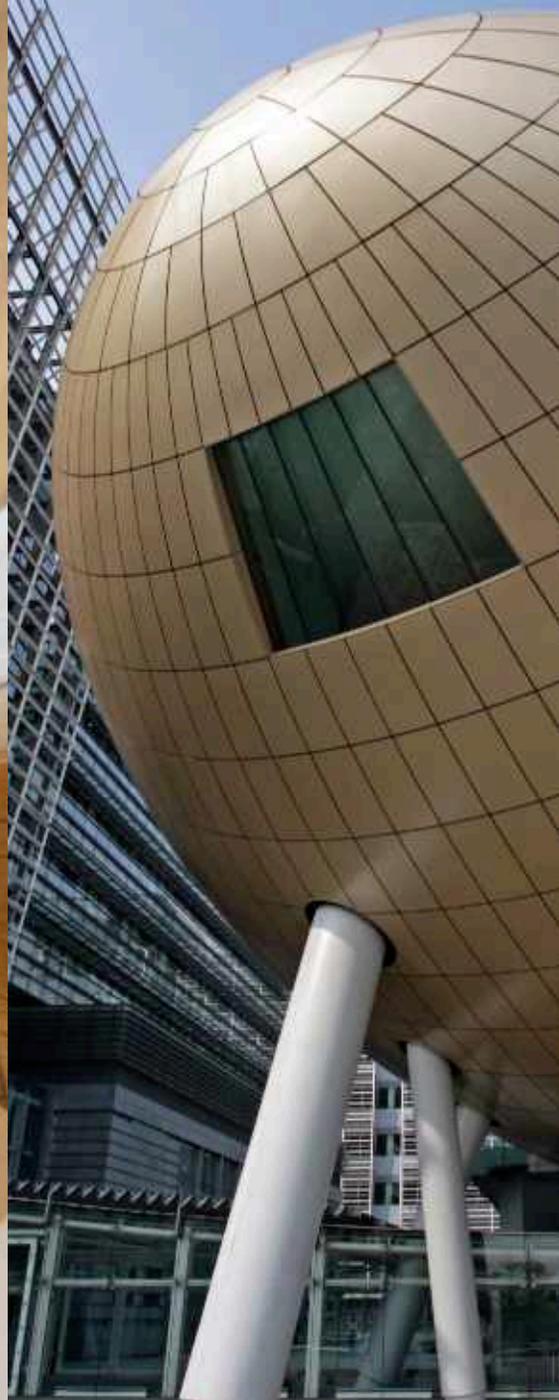
Looking ahead, P&T's strategy is to diversify both in building type and market, and the practice is considering opening an office in Saudi Arabia in 2020.

## 35 DLN ARCHITECTS

COUNTRY	CHINA
LAST RANKING	34
ARCHITECTS EMPLOYED	325

The Hong Kong practice recently opened an office in Nanjing, bringing its tally of studios to six across China. The majority of DLN's work remains in China and South-east Asia, with the practice particularly busy in its home city on a diverse range of projects. 2019 completions included the \$230m St Regis Hong Kong hotel and the \$120m Freespace Theatre at West Kowloon Cultural District.

In the coming year, DLN expects to complete the Tai Po Sports Complex and Mont Rouge luxury residential developments in Hong Kong, as well as the Grand Lisboa Palace in Macau. DLN was formerly known as Dennis Lau & Ng Chun Man.



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**Above: Gallium Valley Science Park, Hangzhou, China by LWK & Partners. Below: Songpa Book Museum in Seoul, South Korea, by Kunwon.**

## 36 LWK & PARTNERS

COUNTRY	CHINA
LAST RANKING	36
ARCHITECTS EMPLOYED	322

The Chinese practice adds 17 architects as it continues its expansion in South-east Asia with a new office in Singapore. This brings its total to nine across China plus further bases in Manila and Dubai.

LWK's strongest sectors are office, residential and mixed-use. The latter includes a number of Paradise Walk commercial complexes for client Longfor, with two due to complete in 2020 in Hangzhou and Xiamen. Other significant current projects include the 190,926sq m Zhengding Li mixed-use development in Shijiazhuang.

Looking ahead, LWK sees great opportunity in the Greater Bay area of China and hopes to enhance its presence in South-east Asia and MENA.

## 37 KUNWON

COUNTRY	SOUTH KOREA
LAST RANKING	37
ARCHITECTS EMPLOYED	312

The South Korean architecture, planning and engineering practice has traditionally had particular success in the private residential market, with ongoing Seoul projects including 809 units at the Godeok Gangil District in Gangdong-gu, and the Hannam New Town Zone 3 redevelopment.

But with the housing market expected to shrink and the whole of the construction market in a downturn, Kunwon is responding by shifting its focus to the public sector in the coming few years. In addition, the practice is planning to increase its office and mixed-use work and will also be focusing on cost management.

## 38 EHAF CONSULTING ENGINEERS

COUNTRY	UAE
LAST RANKING	42
ARCHITECTS EMPLOYED	310

After a rise of 44 architects last year, EHAF moves up the WA100 rankings to become the highest placed of the three UAE practices in the table. The expanding design, engineering and project management practice is in the process of opening offices in Africa and Kuwait to supplement its eight in the MENA region.

EHAF's work ranges across the residential, mixed-use, hospitality, retail, office and transport sectors. Completions this year will include the Arab Investment Bank headquarters in Egypt, the Al Erkyah mixed-use development in Doha, Qatar, and the Ministry of Energy in the UAE.





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**SCHÜCO**



**Left: City Plaza,  
Wuppertal, Germany,  
by Chapman Taylor.**

**Below: The Post  
Building, London,  
by Allford Hall  
Monaghan Morris.**

## 39 ALLFORD HALL MONAGHAN MORRIS

COUNTRY	UK
LAST RANKING	53
ARCHITECTS EMPLOYED	297

The UK practice leaps 14 places up the rankings after adding an impressive 60 architects over 2019. It is now placed sixth in the Western Europe rankings.

AHMM had a busy year completing major London office projects of The Bower at Old Street, 1 Finsbury Avenue at Broadgate and The Ray at Farringdon, as well as gaining planning permission for the office-led, mixed-use redevelopment of Elizabeth House in Waterloo.

In the coming year, AHMM is due to complete office developments The Post Building on London's New Oxford Street and 2 New Bailey Square in Manchester as well as bereavement and grief counselling centre The Alder Centre in Liverpool.

## 40 NATIONAL ENGINEERING BUREAU

COUNTRY	UAE
LAST RANKING	40=
ARCHITECTS EMPLOYED	279

Established in 1984, the National Engineering Bureau has more than 500 architects, engineers and project managers in the UAE alone, with a further eight international offices in the MENA and India regions.

Based in Dubai, it ranks second for fees in the WA100 Middle East regional tables. NEB works across many sectors including hospitality, offices, residential and education. It is especially active in the busy international school market, with projects including the Winchester International School Al Barsha.

High rises are another speciality. Recently completed projects include the Duja Tower, a 195m-tall residential tower with retail and offices, located opposite Dubai's World Trade Centre.

## 41 CHAPMAN TAYLOR

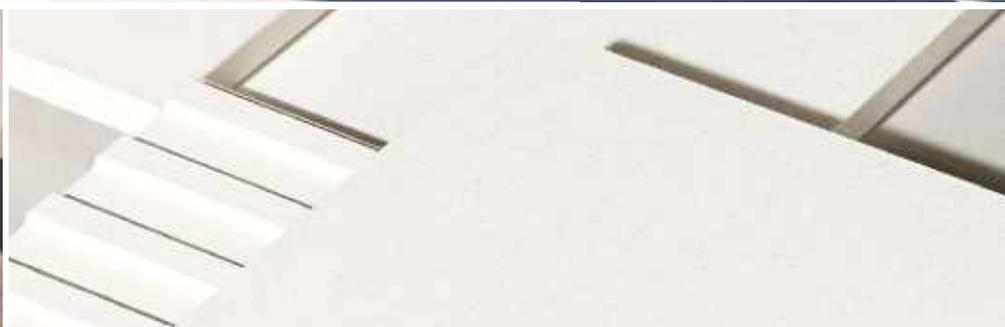
COUNTRY	UAE
LAST RANKING	40=
ARCHITECTS EMPLOYED	277

Chapman Taylor's key markets have been China, South-east Asia and Saudi Arabia. The UK practice reports an "excellent" performance in premium retail developments that incorporate other uses, with competition wins including the retail-led Jinqiao mixed-use district in China. It is continuing to expand in the Middle East and China and is also exploring new opportunities in Latin America.

In other sectors, the practice reports major office sector projects in Central Europe and India and build-to-rent housing in the UK such as Castle Park View in Bristol. Upcoming completions include the 120,000sq m Deniz Mall entertainment centre in Baku, Azerbaijan, inspired by the eight-pointed star national emblem.



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## 42 DEWAN ARCHITECTS + ENGINEERS

COUNTRY	UAE
LAST RANKING	45
ARCHITECTS EMPLOYED	272

The growing UAE practice is looking for new opportunities overseas in addition to its core Middle East market. Dewan plans to expand into South-east Asia through acquisition/merger and has been growing its Manila and Vietnam offices in preparation. The practice is also interested in opening new offices in Kenya to serve the East Africa market.

In the UAE, major projects include the recently completed \$1.3bn Fountain Views mixed-use project in Dubai and the \$700m Reem Mall under construction in Abu Dhabi. Dewan is planning to develop opportunities in Saudi Arabia with a focus on the new city of NEOM near the Red Sea and other public sector initiatives with potential for hospitality and residential work.

## 43 IDOM

COUNTRY	SPAIN
LAST RANKING	44
ARCHITECTS EMPLOYED	271

It's been a busy year for the Spanish multidisciplinary practice, which opened new offices in the diverse locations of Latvia, Lithuania, Estonia, Uruguay and Ethiopia. IDOM also plans to establish an office in Australia, and is targeting infrastructure work in Australasia.

IDOM, whose main markets are Western Europe and South America, was one of six winners of the 2019 Aga Khan Award for the extension to the Alioune Diop University of Bambey in Senegal.

The practice's biggest sector last year was infrastructure, followed by culture, sport and masterplanning, with ongoing projects including the Ciutat de Valencia Stadium, the Beronia Rioja Winery in Ollauri, and the BBVA Tower in Bilbao, all due for completion in 2020.

**Above: Astana Grand Mosque, Kazakhstan, by Dewan.**

**Right: BBVA Tower in Bilbao, by IDOM.**

## 44 RONALD LU & PARTNERS

COUNTRY	CHINA
LAST RANKING	59=
ARCHITECTS EMPLOYED	270

The Hong Kong practice moves up 15 places after increasing its architect headcount by 67 in 2019. All of its work is in the Pacific Rim region, with most projects located in China and Hong Kong.

The broadly-based practice reports most success in the office, retail, residential and education sectors but experienced a decline in its culture, heritage and sports work.

Ronald Lu has ongoing major transit-oriented developments in Shanghai and Foshan and has recently completed the super high-rise Tianjin CTF Finance Centre (in collaboration with SOM).

Looking ahead to 2020/21, the practice hopes to grow its work in the health/hospitals and sports sectors.





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**Left: National Herbarium of New South Wales by Architectus Australia.**

## 45= AIDEA

COUNTRY	PHILIPPINES
LAST RANKING	46
ARCHITECTS EMPLOYED	265

The integrated design and technology firm, which added eight more architects last year, is continuing to expand in its Philippines homeland with a new office in Pampanga and another to follow in Cebu in 2020.

Further afield, it is planning new offices in Stuttgart and Chicago in 2020, and is hoping to diversify into projects in the culture, transport and industrial sectors.

Although it has a broad portfolio, Aidea currently has most success in the hospitality and mixed-use sectors where projects include the ISOC Pullman and Ibis hotels, part of a hospitality community in the Clark Freeport gaming centre in the Philippines. Further afield, it is working on several schools, in Australasia and in Western Europe.

## 45= LEMAY

COUNTRY	CANADA
LAST RANKING	52
ARCHITECTS EMPLOYED	265

The Canadian practice continues to move up the rankings after adding 25 architects in 2019. While most of Lemay's work is in the province of Quebec, it is looking to further consolidate its work across Canada, the USA and in the emerging North African market, where it has a presence in Morocco.

Lemay has developed an expertise in the transit sector, with ongoing projects including 26 light rail stations for the new Montreal REM line and the Bellechasse Transit Centre, also in Montreal. Other key projects include Humaniti, a 40-storey mixed-use complex conceived as Montreal's first "smart vertical community", and the masterplan for the Woodbine Districts transit-oriented development in Toronto.

## 47 PBK

COUNTRY	USA
LAST RANKING	55
ARCHITECTS EMPLOYED	260

PBK continues its upward trajectory with the addition of 37 architects moving it eight places up the rankings. The US practice is a specialist in education design for public colleges and schools, with most of its work in California, where it has seven offices, and in Texas, where it has six. Further offices in Silicon Valley, California and Orlando, Florida, are planned in 2020, and PBK is planning to move into the North Carolina and Georgia markets in the next few years.

Notable current projects include the \$182m Katy Education Village in Houston, Texas, due to open in the coming year.

PBK also has ambitions in China, where it is working on the Southern University of Science and Technology in Shenzhen.

## 48= ARCHITECTUS AUSTRALIA

COUNTRY	AUSTRALIA
LAST RANKING	43
ARCHITECTS EMPLOYED	252

The highest-placed Australian practice found most success in the education, transport infrastructure and urban design sectors over the last year, with metropolitan New South Wales and Victoria its busiest regions.

Notable projects include the 80-storey mixed-use tower 505 George Street in Sydney (a collaboration with Ingenhoven Architects), the Melbourne Airport T2 Northern Infill, and the National Herbarium of New South Wales (a collaboration with architect Richard Leplastrier and landscape architect Craig Burton). Although Architectus reports a decline in its residential sector work, it is still active on major projects including The Langston, a 470-apartment development in Epping, New South Wales.

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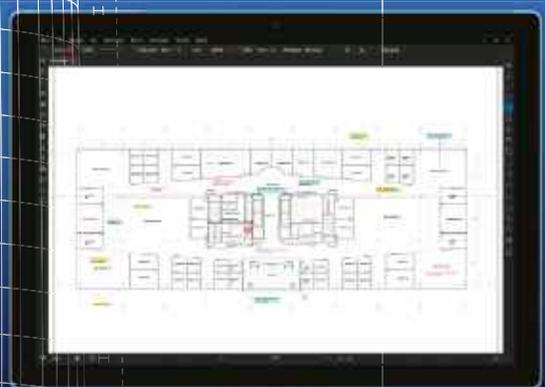
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**Left: MVRDV's storage facility for the Museum Boijmans van Beuningen in Rotterdam.**

**Below: Nagasaki Prefecture and Omura City Library by AXS Satow.**

**48=** **KEO**

COUNTRY	KUWAIT
LAST RANKING	51
ARCHITECTS EMPLOYED	252

The interdisciplinary architecture, engineering and planning added another ten architects last year and is the highest-placed Kuwaiti practice.

Established in 1964, KEO works predominantly in the Middle East and has a string of offices on the Arabian peninsula, including Bahrain, UAE and Oman. Although the lion's share of its projects are mixed-use, KEO is active across many sectors including retail, residential and infrastructure, with recent completions including Sparkle Towers, a twin 29- and 14-storey residential development in Dubai Marina for developer Tebyan. Wins in 2019 include the commission to design a 69,000sq m headquarters building for the Capital Markets Authority in Kuwait.

**50** **AXS SATOW**

COUNTRY	JAPAN
LAST RANKING	59=
ARCHITECTS EMPLOYED	251

The Japanese practice added 48 architects in 2019, moving it nine places up the rankings. AXS Satow had most success with government work, with projects including city halls in Setagaya and Gifu, and convention centres at Taichung in Taiwan and Takashi in Gunma prefecture. It is also busy in education, culture and health, and is due to complete the 600-bed Yokohama Municipal Citizen's Hospital in the coming year.

In anticipation of a decline in construction in Japan after the Tokyo 2020 Olympics, the practice is planning to target overseas markets such as China in the coming years. It is also hoping to grow its work in high-rise offices and medical facilities.

**51** **MVRDV**

COUNTRY	NETHERLANDS
LAST RANKING	NEW
ARCHITECTS EMPLOYED	250

MVRDV becomes the highest ranking Dutch practice after zooming into the WA100 tables at number 51. Having invested in expansion in China and France, the practice is now turning its attention to building up work in Germany and North America, with plans to open both an office in Berlin and a US presence in 2020. For the moment, however, its main markets are Western Europe and China.

MVRDV is also investing in new typologies such as laboratories and education and building expertise in scripting, interiors and sustainability.

Ongoing projects include the mixed-use, 65,000sq m redevelopment of a post-industrial site in Kiel, Germany, and an art storage facility for the Museum Boijmans van Beuningen in Rotterdam.



## 52 BATES SMART

COUNTRY	AUSTRALIA
LAST RANKING	47
ARCHITECTS EMPLOYED	238

Bates Smart slips five places after a fall in architect numbers of 14. The practice's workload remains predominantly in Sydney and Melbourne, where its two offices are based.

While the residential and hospitality markets have slowed, Bates Smart has seen an increased emphasis on build-to-rent and over-station development projects, winning two competitions in 2019 for the latter. It has also seen a rise in complex education and health projects and in the creation of high quality mixed-use precincts where people can live, work and play. Key residential projects last year included Collins House, a super-slim tower in Melbourne and One30 Hyde Park in Sydney.

## 53 LEIGH & ORANGE

COUNTRY	CHINA
LAST RANKING	39
ARCHITECTS EMPLOYED	233

The Hong Kong practice, which last year celebrated its 145th anniversary, moves down the rankings after architect numbers fell by 59.

Leigh & Orange's busiest sectors last year were infrastructure, hospitality, sport and education, with significant projects including the International Culinary Institute in Hong Kong, the Gangxia International School in Shenzhen, and the NTT Communications HK Financial Data Centre Tower 2 in Hong Kong.

Ongoing work includes the Kai Tak Sports Park under construction at the edge of Hong Kong's former airport site, and the Vanke Hangxinglu metro station mixed-use development in Hangzhou.

## 54 CORGAN ASSOCIATES

COUNTRY	USA
LAST RANKING	58
ARCHITECTS EMPLOYED	227

Corgan has enjoyed particular success with its critical facilities studio, which has developed an expertise in data centre architecture both in the US and abroad. Projects include a 10 million sq m data centre in Singapore due to complete in 2022. Another strength is airports, with Corgan completing a new satellite concourse at Shanghai Pudong International Airport, China in April. Construction is ongoing on its \$1.3bn Los Angeles International Airport midfield satellite concourse.

The practice last year opened a new office in Austin, its fourth in Texas and tenth in the US, to tap into commercial, interiors and education sector opportunities in the growing city.

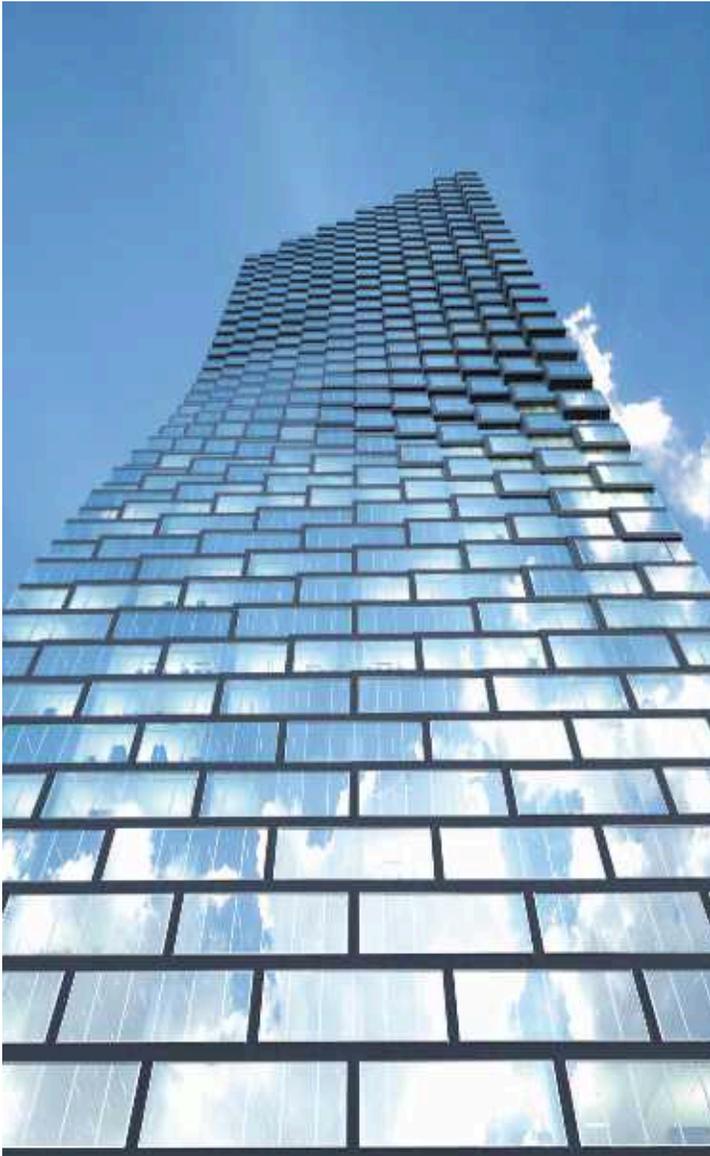
## 55 DSP DESIGN ASSOCIATES

COUNTRY	INDIA
LAST RANKING	57
ARCHITECTS EMPLOYED	221

DSP, which added a further 12 architects in 2019, remains the highest placed Indian practice. It is pursuing international expansion, having joined the ONE Global Design network, which DSP hopes will help it access markets across North America, where it is also partnering with smart building services company Intelligent Buildings. DSP has opened a studio in Singapore and has plans to open another in Sydney.

Its biggest sector has been office architecture and design, with DSP reporting 52 million sq ft of ongoing commercial development including the Ascendas India Group Campus in Pune. Residential projects include Mumbai developments L&T Seawoods and Lodha New Cuffe Parade.





## 57 BJARKE INGELS GROUP

COUNTRY	DENMARK
LAST RANKING	50
ARCHITECTS EMPLOYED	213

After a drop in architect numbers of 35, BIG slips down the rankings. Nonetheless the Danish practice continued to make headlines with an impressive array of projects including CopenHill, a waste-to-energy plant in Copenhagen that incorporates a park with an artificial ski slope, and The Twist, an inhabitable bridge at Kistefos sculpture park in Norway.

Major French completions in 2019 included MÉCA cultural institution in Bordeaux, one of the projects that contributed to Bjarke Ingels' appointment as Knight of the French Order Arts et Lettres.

BIG's largest market was North America, where ongoing projects include Wildflower Studios, a US\$400m film and television centre proposed for Queens in New York.

## 58 B+H ARCHITECTS

COUNTRY	CANADA
LAST RANKING	48
ARCHITECTS EMPLOYED	205

The Canadian practice drops ten places after architect numbers fell by 46 over 2019. However B+H is focused on growth in the coming few years, with plans to expand into Australia through strategic partnerships with local firms. This follows an alliance with Singapore urban and infrastructure consulting firm Surbana Jurong (73) in 2018. Already, work in the Pacific Rim accounts for around 30% of net fee income. B+H also hopes to expand regionally in the USA with a focus on California and Texas.

While offices were its strongest sector last year, key ongoing projects include the Columbia Jiaying Hospital in China and the Hospital for Sick Children Patient Support Centre in Toronto, Canada.

## 56 WONG TUNG & PARTNERS

COUNTRY	CHINA
LAST RANKING	84
ARCHITECTS EMPLOYED	217

The Chinese practice bounces back up the rankings after a rise of 84 architects last year. Established in 1963, Wong Tung is based in Hong Kong with further offices in Shanghai, Shenzhen, Beijing and Chongqing.

Almost all of its workload is in China and the wider Pacific Rim area. Wong Tung provides masterplanning and architectural services for large-scale projects, with its busiest sectors last year being residential, offices and health/hospitals. Recent work includes WF Central retail mall in Beijing and the regeneration of commercial building 627 Huan Hai in Shanghai.

## 59 GHDWOODHEAD

COUNTRY	AUSTRALIA
LAST RANKING	54
ARCHITECTS EMPLOYED	201

GHDWoodhead is the new leader of the Australasia net fee income rankings. The multidisciplinary practice has a string of offices across Australia including a new Hobart studio in Tasmania, with further bases in New Zealand and the Philippines.

While the practice's biggest market is government work, it has a diverse workload with a track record in complex facilities. Ongoing projects include the transformation of the Fairfield Showground in Sydney, and, in Perth, the Altum Retirement Living development and three stations on the Forrestfield Airport Link.

Completions in 2020 will include the Cvmec shipbuilding facility in Henderson, TAFE Gippsland education campus in Morwell, and Highfields Library in Toowoomba, Queensland.

**Above: Telus Sky Tower, Calgary, Canada, by Bjarke Ingels Group.**

**Opposite: Dr Babu Jagjivan Ram institute, Bangalore, by DSP Design.**



**Far left: UN headquarters in Diamniadio, Senegal, by Wilmotte & Associés.**



**Left: Michael Uren Biomedical Engineering Research Hub, London, by Allies and Morrison.**

## 60= BROADWAY MALYAN

COUNTRY	UK
LAST RANKING	61=
ARCHITECTS EMPLOYED	200

While the UK market remains challenging, Broadway Malyan reports increased success internationally with overseas work making up 60 per cent of its turnover in the last financial year.

The practice anticipates a 10% growth in its Asia-Pacific income over the next three years and has opened representative offices in Jakarta, Indonesia and Shenzhen, China. It has also relocated and expanded its Mumbai studio in India, where it has seen growth in retail-led mixed-use.

European high spots included growing hospitality work in Iberia such as the Marriott's first Moxy Hotel in Lisbon. The practice also opened its new global headquarters in Waterloo, London.

## 60= WILMOTTE & ASSOCIÉS

COUNTRY	FRANCE
LAST RANKING	65
ARCHITECTS EMPLOYED	200

The highest-placed French practice continues to move up the WA100 rankings after adding another nine architects and opening a new office in Milan, Italy.

Most of Wilmotte's work is in its homeland, where projects include a training centre for Paris St Germain football club in Poissy, a congress centre in Le Touquet and a Hilton hotel in Marseille.

It is also working on far-flung international projects including a UN headquarters in Senegal, a housing tower in Dallas, a 36,000sq m Islamic Civilisation Museum in Tachkent, Uzbekistan, and an auction house in South Korea.

In the coming few years, Wilmotte is looking to win work in China.

## 62 ARCHETYPE GROUP

COUNTRY	VIETNAM
LAST RANKING	61=
ARCHITECTS EMPLOYED	199

Archetype has traditionally been focused on the Asia Pacific region, where it has a string of offices. It is now planning to expand its activities in Africa and South America from its new presence in France following the acquisition of BECT, a Paris, Lille and Marseille-based engineer.

Already, Archetype reports projects in Brazil, Cameroon and the Ivory Coast, where it is renovating the African Development Bank's 50,000sq m headquarters in Abidjan.

Elsewhere, the practice is planning to open a subsidiary in Bangladesh and is pursuing expansion in Central and Eastern Europe. Archetype has a particular strength in large-scale industrial buildings and will complete factories in Thailand, China and the Philippines in 2020.

## 63= ALLIES AND MORRISON

COUNTRY	UK
LAST RANKING	63
ARCHITECTS EMPLOYED	186

While the vast majority of the practice's fees continue to be from UK projects, it reports progress in growing its portfolio internationally. Allies and Morrison unveiled its design for 2150 Lake Shore Drive, Toronto, one of the largest urban development projects in the city, won a major masterplan project in mainland Europe and is working with new clients in the Middle East on significant cultural heritage assets. The practice also registered an office in Dublin.

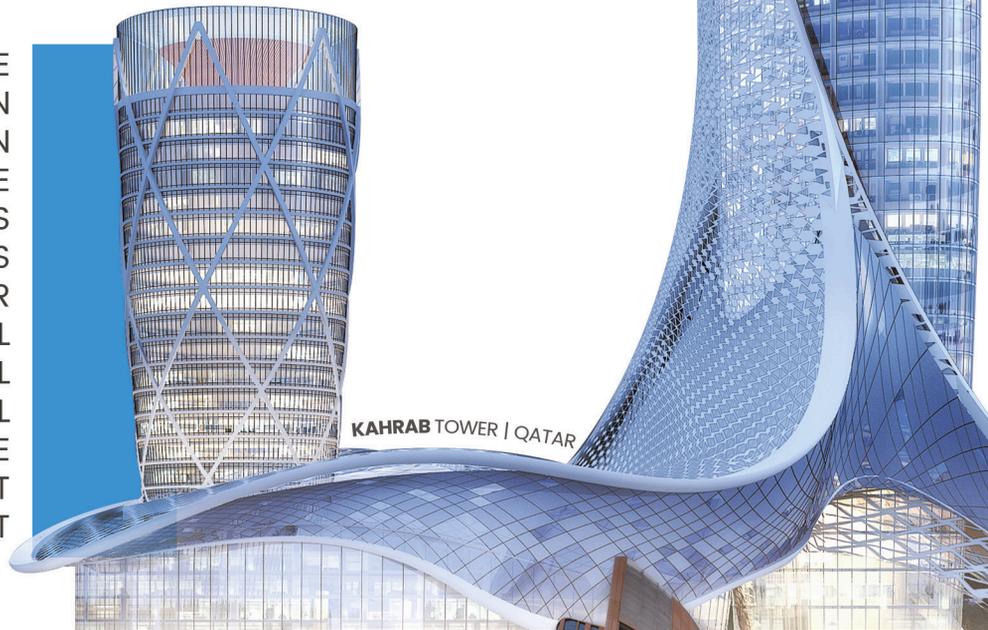
The practice's strongest sectors are residential, masterplanning offices and education. In the UK, it is nearing completion on a large number of projects including the 100 Bishopsgate office tower in London, and the Arts and Humanities Building at Manchester Metropolitan University.



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**Left: Aukett Swanke's UK Expo 2020 Pavilion in Dubai.**

**Below: Hardman Square Pavilion, Manchester, by Sheppard Robson.**

IMAGES: DEVLIN STUDIO

## 63= AUKETT SWANKE

COUNTRY	UK
LAST RANKING	67
ARCHITECTS EMPLOYED	186

Aukett Swanke reports that it has returned to profit after two difficult trading years. The UK practice sees most potential for growth in its core UK market, where ongoing projects include STEAMhouse, a refurbishment extension of Birmingham City University's Science, Technology, Engineering, Arts & Mathematics departments. It is also working on a hotel, laboratory and offices at Cambridge Science Park.

The practice is also working in Central Europe and in the UAE, where projects include the UK Expo 2020 Pavilion in Dubai in collaboration with Es Devlin, and the Samanea Dubai Market. It recently sold its Russian office but will continue to operate in the market under a name licence.

## 65 CCDI GROUP

COUNTRY	CHINA
LAST RANKING	NEW
ARCHITECTS EMPLOYED	183

Established in 1994, this new entrant is a Chinese engineering, architecture, construction and development firm. CCDI has a string of offices across China, plus overseas offices in New York and Sydney.

The group has a track record in large-span and high-rise structures and works across diverse sectors including schools, residences, offices, hotels and commercial centres. Recent projects include the Ningbo and Hangzhou Olympic Sports Centers and the ongoing Qianhai Waterfront Financial Conference Center in Guangdong.

Although most of its work is in China, projects in 2019 included the One Krrish Square Development, a commercial office project currently under construction in Colombo, Sri Lanka.

## 66 SHEPPARD ROBSON

COUNTRY	UK
LAST RANKING	70=
ARCHITECTS EMPLOYED	181

The UK practice completed several high-profile projects last year including Hounslow House, a new headquarters for the London Borough of Hounslow. The 16,000sq m design is intended to create a strong civic presence within the community. In Manchester, Sheppard Robson completed Hardman Square Pavilion, a four-storey, timber-framed retail pavilion set within The Field public realm at Spinningfields.

As well as its busiest sectors of offices/corporate and residential work, Sheppard Robson has been active in the education sector. This year it will finish the £45m Carnegie Teaching and Research Building at Leeds Beckett University, which includes a 60m covered rooftop running track and will provide a hub for the university's sports performance facilities.



PHOTO: FELIX MOONERAM



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**Above: Landsbankinn bank in Reykjavik, Iceland, by Nordic and CF Møller Architects.**

## 67 NORDIC

COUNTRY	NORWAY
LAST RANKING	72=
ARCHITECTS EMPLOYED	180

Nordic - Office of Architecture has acquired Icelandic practice Arkthing after successfully collaborating with it on the design of Keflavik airport in south-west Iceland. The move gives Nordic a third overseas office to add to those in London and Copenhagen, and contributes to its rise another six places up the WA100 table this year.

Most of Nordic's work remains in health/hospitals, transport and government. Forthcoming completions in Norway include the Carpe Diem Dementia Village in Bærum, the Fyri mountain resort in Hemsedal and the National Police Emergency Response Unit in Taraldrud.

Nordic has also been working in America and Asia and is hoping to continue diversifying into new markets and sectors in the year ahead.

## 68 VALODE & PISTRE

COUNTRY	FRANCE
LAST RANKING	74
ARCHITECTS EMPLOYED	177

The French practice moves up the charts after a modest rise in architects. Current projects reflect its strategy of pursuing work of diverse types and on scales ranging from city planning to the design of furniture. Valode & Pistre is working on a number of high-profile projects in Paris including the mixed-use rejuvenation of the Gare du Nord station, the Paris Exhibition Center and the 49,000sq m Saint-Gobain headquarters tower.

Outside the capital, it is on site with utility company Engie's HQ in Lyon, and the mixed-use Prado Concorde district in Castelnau-le-Lez.

While most of the practice's turnover is in Western Europe, it recently completed the 850,000sq m Shenzhen International Exhibition Centre in China and is on site with the Hyatt Hotel in Taghazout, Morocco.

## 69 JASPERS-EYERS ARCHITECTS

COUNTRY	BELGIUM
LAST RANKING	72=
ARCHITECTS EMPLOYED	172

Last year the Belgian practice fulfilled its ambition of creating a zero-energy building with the completion of the second phase of the Nike European Logistics Campus in Laakdal. Certified LEED Gold, the campus incorporates a 1.3km-long hanging green facade and will serve as the standard for designing further Nike logistics centres around the world.

Significant ongoing projects include Manhattan Center, a 68,000sq m mixed-use development, and Spectrum, an office and residential project, both currently under construction in Brussels.

While Jaspers-Eyers' core market remains Western Europe, and its homeland in particular, it also reports expansion in Eastern Europe and has started to work on projects in China.

## 70 PAGE

COUNTRY	USA
LAST RANKING	77
ARCHITECTS EMPLOYED	169

The US practice has been expanding, increasing its architect headcount by 18 and opening new offices in Austin, Texas; Phoenix, Arizona; and Mexico City. Next year it plans another in the "sun-belt" region of the US and is also considering opening an office in Western Europe.

Page now leads the fee tables for Africa - where it is building a reference lab for the CDC Foundation in Sierra Leone, and ranks second in South & Central America. Its strongest region however remains North America, where it has been busy on major healthcare work such as the Veterans Administration Hospital Bed Tower in Tampa, Florida, and a medical school for the University of Houston. Government work is also strong - it recently completed the US Embassy campus in Jakarta, Indonesia.

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**Right: Biotope headquarters, Lille, by Henning Larsen.**



## 71 ITTEN + BRECHBÜHL

COUNTRY	SWITZERLAND
LAST RANKING	66
ARCHITECTS EMPLOYED	162

The Swiss practice slips down the rankings after a fall of 17 architects, but retains its position as one of the top ten practices for fee income in Western Europe.

It has a diverse workload, including a headquarters for Lidl at Weinfelden, a senior living development in Lugano, the Vortex student housing in Lausanne, and the transformation of Basel train station. Recent completions include a 24,000sq m headquarters for the International Olympic Committee at Lausanne, designed with a wave-like facade to reflect the dynamism of sport and the Olympic movement.

Looking ahead, Itten + Brechbühl expects to grow its turnover in healthcare, education and research projects.

## 72 VISIONARCH

COUNTRY	PHILIPPINES
LAST RANKING	90
ARCHITECTS EMPLOYED	160

The Philippines practice shoots 18 places up the chart after increasing its architect numbers by 40 for the second year running.

Visionarch is busy on retail, mixed-use and transit-oriented developments, including large-scale masterplanning projects for both the public and private sectors. These include One Ayala, a 390,000sqm gateway to the Philippines financial capital of Makati City and the 76ha Dagupan City Growth Center at Dagupan to the north of Manila.

Rather than seek mergers or acquisitions, Visionarch's future strategy is to expand into other regions and markets through strategic alliances under the Visionary Alliance umbrella. It has also set up EnVision, a subsidiary offering BIM and visualisation services.

## 73 SURBANA JURONG

COUNTRY	SINGAPORE
LAST RANKING	NEW
ARCHITECTS EMPLOYED	159

The growing Singaporean group, which added 59 architects last year, is an urban, infrastructure and management services consulting firm with offices in more than 40 countries worldwide. Its architectural business includes SAA Architects in Singapore and B+H Architects in Canada (which has entered the WA100 separately).

Most of Surbana's work is in the mixed-use and residential sectors in the Pacific Rim and North America. Ongoing projects include the Liyang Tea Resort in Liyang, China and Changi Airport Terminal 5 in Singapore.

The group has ambitions to grow its architecture work in Central Asia and the Pacific Rim, including China, in 2020, and is also looking to diversify across the sectors while retaining a focus on its core business.

## 74 10 DESIGN

COUNTRY	CHINA
LAST RANKING	76
ARCHITECTS EMPLOYED	158

The Chinese practice, which has international offices in London, Edinburgh, Miami and Dubai, is continuing to diversify into new regions. It is targeting business in Central and Eastern Europe, North Africa and the Americas and is looking to increase its work in railways and aviation.

Although its core work continues to be in retail and hospitality, 10 Design is active in major mixed-use projects in Macau, China, the Middle East, Edinburgh and Egypt and is on site with the 250m-high CIMC office tower in Prince Bay, Shenzhen.

In the coming year, 10 Design's completions in China will include the Pazhou International Centre in Guangzhou as well as three developments at Jinwan Aviation City in Zhuhai.

**Right: Southbank, Melbourne, Australia, by UNStudio.**  
**Below: CF Møller Architects' Haraldsplass Hospital.**

**75 HENNING LARSEN**

COUNTRY	DENMARK
LAST RANKING	64
ARCHITECTS EMPLOYED	157

It was a significant year for the Danish practice, which celebrated its 60th anniversary and was awarded the 2019 Laureate of the European Prize for Architecture.

Henning Larsen also completed its first built projects in both Australia (Queensland University of Technology) and the USA (Lindner College of Business, University of Cincinnati), where it also landed a project for a 13-storey tower within the Mission Rock waterfront redevelopment in San Francisco. In 2020, the practice will complete its first project in France, the 30,000sq m headquarters for Biotope in Lille.

However Henning Larsen slips 11 places down the rankings after architect numbers fell by 36.

**76 CF MØLLER ARCHITECTS**

COUNTRY	DENMARK
LAST RANKING	81=
ARCHITECTS EMPLOYED	154

The Danish practice moves up the charts after adding 18 architects last year. CF Møller experienced growth in its international work, not only in its overseas offices of Sweden, Norway, UK and its new studio in Germany, but further afield, reporting new projects in Finland, Ireland, Switzerland, Belgium and Iceland. Work in the latter includes Landsbankinn, a new building for Iceland's largest bank in Reykjavik that will also serve as the city hall.

Residential and health and hospitals are two of its strongest sectors, with projects including the Biomedicum laboratory in Stockholm and a residential tower in Antwerp. Upcoming completions in 2020 include a 15,500sq m headquarters for brewer Carlsberg in Copenhagen.



IMAGE: NORW-LI



PHOTO: JOERGENTRUE

**77 UNSTUDIO**

COUNTRY	NETHERLANDS
LAST RANKING	70=
ARCHITECTS EMPLOYED	150

The Dutch practice slips down seven places after a fall of 25 in its number of architects. Nonetheless, UNStudio still has an impressively diverse range of current work including the first cross-border cable car crossing and terminal, at Blagoveshchensk between Russia and China, as well as metro stations in Doha and the Brainport Smart District in Helmond, Netherlands.

While most of its work is in Europe and the Middle East, the practice is also working in the Far East where projects due to complete in the coming year include the Yongjia World Trade Centre in Wenzhou and the Zhabei shopping mall in Shanghai, both in China. Looking ahead, UNStudio is targeting the North America and Australia markets.



## 78 SSH

COUNTRY	BAHRAIN
LAST RANKING	68
ARCHITECTS EMPLOYED	148

Architect numbers fell by 31 at the Bahrain multidisciplinary practice, which has a string of offices in the MENA region. Despite experiencing a contraction in the Bahrain and Qatar markets, SSH retains its pole position in the Middle East regional charts and reports both growth in its work in Saudi Arabia, and progress in sub-Saharan Africa.

The practice is busiest on mixed-use, hospitality, infrastructure and culture projects. These include the Ghala Heights office, hotel and residential development in Oman, St Regis Hotel in Marrakech and the Creek Beach District masterplan in Dubai. Completions include the restoration of the Al Salam palace and the Late Salwa Sabah Al Ahmad Al Sabah Stem Cell and Umbilical Cord Centre, both in Kuwait.

## 79 PROGETTO CMR

COUNTRY	ITALY
LAST RANKING	78
ARCHITECTS EMPLOYED	147

WA100's sole Italian entrant has been working on one of the most high-profile projects in the country - a new stadium to be shared by football rivals AC Milan and Inter Milan. Progetto CMR's design is one of two shortlisted for the creation of the Gil Anelli di Milano stadium. The practice has also been busy completing a headquarters for tech company Huawei and offices for insurance group Unipol, as well as its own headquarters building, all in Milan.

In addition to offices and corporate projects in Italy, Progetto CMR has been working on masterplanning and urban design projects in Vietnam and has designed the International Specialised Hospital of Uganda near Kampala.

## 80= CP KUKREJA

COUNTRY	INDIA
LAST RANKING	79=
ARCHITECTS EMPLOYED	140

The 50-year old practice was kept most busy on government projects last year, with work including the India Pavilion for Dubai Expo 2020, the 80,000sq m Vallabh Bhawan Secretariat in Bhopal and the Indian High Commission in Abuja, Nigeria. In New Delhi, it recently completed an embassy for Denmark.

CP Kukreja sees itself as part of a wider recent move towards creating responsible, environmentally conscious urban architecture in India. It is optimistic of growing work in the industrial and infrastructure sectors and is already working on the Surat multi-modal transportation hub, which will integrate nine different modes of transport along with green space in Gujarat.

## 80= MORPHOGENESIS

COUNTRY	INDIA
LAST RANKING	79=
ARCHITECTS EMPLOYED	140

The Indian practice made headlines this year by becoming one of the first architects to report a gender pay gap in favour of its women employees. Women lead four of the five departments at the practice, which is based in Mumbai, Bengaluru, New Delhi and a newly opened office in Surat.

Morphogenesis reports an increase in its commercial portfolio particularly in the west and south of India. This has, it says, enabled it to demonstrate use of passive design and resource efficiencies to greatly reduce energy consumption in this typology.

Projects under construction include Trump Towers in Kolkata and a corporate headquarters for pharmaceutical company Zydus in Ahmedabad.



**Left: Museum on Prime Ministers of India, New Delhi, by Sikka Associates.**

**Opposite: ITC campus, Kathmandu, by Morphogenesis.**

## 82 GF & PARTNERS

COUNTRY	PHILIPPINES
LAST RANKING	85
ARCHITECTS EMPLOYED	134

GF&Partners is eyeing up expansion throughout the Philippines in 2020, with plans to open offices within the island groups of Luzon, Visayas and Mindanao to supplement its main base in Makati City, Metro Manila.

Its core work remains large-scale mixed-use, residential and hospitality projects including the 46-storey condominium West Gallery Place in Taguig City, Lapu-lapu Cebu International College campus at Mactan Island and the Circuit Performing Arts Theater in Makati City, all due for completion in 2020.

Looking ahead, the practice is hoping to expand its work in the retail, offices/corporate and infrastructure sectors.

## 83 A26 ARCHITECTURES

COUNTRY	FRANCE
LAST RANKING	87
ARCHITECTS EMPLOYED	130

The French practice's biggest sources of work are residential and industrial projects in its domestic market. Logistics are a speciality - projects include the largest logistics warehouse in Europe completely recently at Tournan en Brie and an ongoing data centre for Orange near Rouen. In other sectors, A26 won a competition (with Art&Build) for a hospital facility at the Institut Curie in Paris and last year completed the extension of a toy museum in Poissy.

Looking ahead, A26 is preparing to open an office in London in 2020 and is also targeting expansion in central Africa in the educational, healthcare and hotel sectors.

## 84 SIKKA ASSOCIATES

COUNTRY	INDIA
LAST RANKING	91
ARCHITECTS EMPLOYED	128

Sikka's most eye-catching current project is the Museum on Prime Ministers of India at the Teen Murti Bhava in New Delhi, the former residence of the first prime minister of India, Jawaharlal Nehru.

The Indian practice, which last year added ten architects, has a diverse portfolio of recent and ongoing projects including the Institute of Nano Science & Technology in Chandigarh, the World Trade Centre in New Delhi, and the Satya The Hive mall in Gurgaon. While its government workload remained stable, Sikka is exploring new areas of work such as masterplanning, waterfront projects and museums in response to a decline in the private and real estate markets.

## 85 SCOTT BROWNRIGG

COUNTRY	UK
LAST RANKING	88
ARCHITECTS EMPLOYED	125

The UK practice plans to increase overseas income to 40% in the next few years. This regional diversity is reflected in current projects including the Binh Duong mixed-used development in Vietnam, a cultural tourism masterplan in Rotorua, New Zealand, and the Financial District Coastal Improvement Program in New York. The latter is being developed by Scott Brownrigg's collaboration with US practice Crown Architecture and Consulting. The practice has enhanced its transport and infrastructure capabilities with the acquisition of Acanthus Architects LW.

For now, however, most its work is in Western Europe. Its Amsterdam studio is working on the 2,000ha Bucharest South Smart City, while UK completions included the BioHub Cambridge Science Park.

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IMAGE: SYDELL GROUP

Above: The NoMad London, by EPR Architects.

## 86= EPR ARCHITECTS

COUNTRY	UK
LAST RANKING	NEW
ARCHITECTS EMPLOYED	122

The UK practice makes its WA100 debut this year. EPR reports “huge success” in 2019 as it opened a new office in Manchester in response to increased workload in north-west England, including several large mixed-use and hospitality projects.

EPR is busiest with office and residential work, with London projects including the 44,000sq m retrofit of the postmodern 60 London Wall office block and The Ram Quarter residential and retail development in Wandsworth. The practice has also found success with its other specialism of hospitality and leisure. Ongoing projects include The NoMad London, a sensitive reinvention of Bow Street Magistrates Court and Police Station as a luxury lifestyle hotel and police museum, due for completion in the coming year.

## 86= PASCALL+WATSON

COUNTRY	UK
LAST RANKING	89
ARCHITECTS EMPLOYED	122

The transport design expert reports a “buoyant” 2019 and anticipates the same in 2020. Pascall+Watson has been busy with projects at London City, Manchester and Dublin airports as well as 13 Crossrail stations.

In addition to its core market, the practice has found success in the education, hospitality and leisure sectors. This year, it completed the Dyson School of Design Engineering at Imperial College London and a Film & Media Centre at the University for the Creative Arts in Farnham, Surrey, where it is also designing student residences.

Overseas work includes the Abrahamic Family House religious centre on Saadiyat Island (in collaboration with Adjaye Associates) and Yas Arena entertainment venue (with HOK), both in Abu Dhabi.

## 88 LEO A DALY

COUNTRY	USA
LAST RANKING	92
ARCHITECTS EMPLOYED	119

The US architect reports that healthcare clients provided it with its biggest source of work in 2019, both in its domestic market and the Middle East. Major projects include the Omaha VA Ambulatory Care Center in Nebraska, which provides 14,500sq m of healthcare facilities for veterans. Leo A Daly was also active in the government, offices and hospitality sectors, with new commissions including its appointment to provide design services for the United States Capitol Complex in Washington.

Looking ahead, it is interested in increasing its work in the elderly living, masterplanning, mixed-use and science & technology sectors in America and the Middle East, and, in the Pacific Rim, hospitality and masterplanning.

## 89 FEILDEN CLEGG BRADLEY STUDIOS

COUNTRY	UK
LAST RANKING	96
ARCHITECTS EMPLOYED	115

FCB Studios moves up seven places after a year of growth home and abroad. The UK practice has opened a new office in Edinburgh, where projects include the refurbishment of the University of Edinburgh’s ten-storey Darwin Laboratory Building for the School of Biological Sciences.

Higher education is a particularly strong sector for the practice with projects in Warwick, Staffordshire, Bristol, Liverpool, Cambridge and Manchester as well as several in Ireland.

FCB Studios’ other key sectors are commercial, residential and cultural work, with the latter including the completed regeneration of Alexandra Palace in London and ongoing projects at Brighton Dome, the Spanish Gallery in Bishop Auckland, and the Victoria and Albert Museum.

## 90 AHR

COUNTRY	UK
LAST RANKING	86
ARCHITECTS EMPLOYED	111

AHR’s embrace of diverse sectors, services and regions continues to pay off, with the practice reporting that this has enabled it to remain “confident and competitive”.

Working from eight UK offices with overseas bases in Warsaw and Moscow, AHR has a particular strength in education buildings, with recent completions including the £30m Barbara Hepworth Building for the University of Huddersfield’s School of Art, Design and Architecture. Masterplanning is another key sector. Recent wins include the £60m mixed-use redevelopment of Chester Northgate and the 4,000-home Langarth Garden Village in Truro.

In 2020, AHR can look forward to completing The Spine, The Royal College of Physicians’ £35m northern home in Liverpool.



## 92= SQUIRE & PARTNERS

COUNTRY	UK
LAST RANKING	NEW
ARCHITECTS EMPLOYED	108

The UK practice makes a return to the WA100 this year. Squire has been busiest in the mixed-use sector in Western Europe, followed by masterplanning, residential and office work both in the UK and abroad.

Its recent work reflects this diversity. The practice last year completed the Noah's Ark children's hospice in Barnet, north London, as well as co-working space for x+why in Whitechapel and phase one of the residential-led mixed use Chelsea Barracks, all in London.

In the coming year, completions will include the Landmark office development in Manchester and the first elements of the practice's Southbank Place masterplan. Overseas, Squire will complete phases II and III of the Msheireb Downtown Doha masterplan in Qatar.

## 91 DIAMOND SCHMITT

COUNTRY	CANADA
LAST RANKING	98=
ARCHITECTS EMPLOYED	110

The Canadian practice has opened an office in New York City as it looks south to the US for new market opportunities in response to a patchy domestic market. Diamond Schmitt is hopeful of capitalising on its expertise in performance venues and academic lab projects in particular, and is already working on the Buddy Holly Hall of Performing Arts and Sciences, in Lubbock, Texas.

Meanwhile, it continues to work across diverse sectors in Canada, with recent completions including the Cor Van Raay YMCA in Alberta, the third largest YMCA in North America, and the conversion of a 19-storey hotel into the Campus1 MTL student residence in Montreal.

## 94 SARAIVA + ASSOCIADOS

COUNTRY	PORTUGAL
LAST RANKING	97
ARCHITECTS EMPLOYED	106

The Portuguese practice was busiest in the residential market in 2019, with projects including the 53,184sq m Infinity Tower luxury development in Lisbon, and the 237-unit Muda Reserve, a new interpretation of a traditional village in Comporta. Hospitality work includes the 140,000sq m Savoy Palace Madeira and the Vila Vita Parc resort and spa in Lagoa on the Algarve, both completed last year.

While the bulk of Saraiva's work is in its home market, the practice has a string of international offices across four continents, with overseas projects including the National Research Oncology Centre in Astana, Kazakhstan, and 9 Hotel Paquis in Geneva, Switzerland.

## 92= BATLLE I ROIG

COUNTRY	SPAIN
LAST RANKING	NEW
ARCHITECTS EMPLOYED	108

The Barcelona-based practice is a new entrant this year. Founded by Enric Batlle and Joan Roig in 1981, most of its work is in its hometown, but it has also undertaken projects in France and Saudi Arabia. Recent work ranges from a new Cruise Terminal in Barcelona Harbour to a landscape recovery project at a former gypsum mine in Igualada.

One of its busiest sectors is offices. Last year it completed the administrative Campus of the Generalitat de Catalunya, the first building in Catalonia to achieve the LEED Platinum certification and also the WELL certification. The ongoing Parc Glories office building will also attain LEED Platinum. This is located in Barcelona's 22@ technological district, where the practice is also designing the Luxa Office Building.

## 95 HAMES SHARLEY

COUNTRY	AUSTRALIA
LAST RANKING	NEW
ARCHITECTS EMPLOYED	104

The multidisciplinary practice moves into the top 100 after architect numbers leapt up from 47 to 104.

Hames Sharley reported 15% growth in 2019 and enjoyed particular success in the workplace, commercial, defence, residential and hotel sectors. Notable projects include the AU\$750m Albion Train Station Precinct Development in Brisbane, which combines a station with residential, commercial and retail uses and is due to complete in the coming year. Looking ahead, the practice is targeting the mixed-use, education, health and retail sectors for growth.

The practice operates from six studios across Australia, and is currently exploring options for further offices in Canberra, Hong Kong and the UK.

## 96 PURCELL

COUNTRY	UK
LAST RANKING	93
ARCHITECTS EMPLOYED	102

The UK heritage specialist slips down three places after making redundancies last spring in response to uncertain market conditions.

Nevertheless, Purcell is working on an impressive array of projects including the £35.5m rejuvenation of the National Portrait Gallery in collaboration with Jamie Fobert Architects, which will begin on site in the coming year. In Manchester, it is refurbishing the Alfred Waterhouse-designed Manchester Town Hall while in Oxford, it won planning permission for the refurbishment of HKPA's Grade II listed Hilda Besse Building at St Antony's College.

New wins include the refurbishment of the exterior of Peter Jones department store in Chelsea, in collaboration with Sergison Bates Architects.

## 97 GULF CONSULT

COUNTRY	KUWAIT
LAST RANKING	NEW
ARCHITECTS EMPLOYED	82

Ranked sixth in the Middle East fee income table, Gulf Consult retains its focus on its home market of Kuwait, which provides almost all of its workload. The multidisciplinary design practice reports growth in healthcare, transport and infrastructure work, with completions including the Jaber Al Ahmed Al Jaber Al Sabah Hospital in South Surra (in association with Langdon Wilson International).

Although Gulf Consult saw a reduction in education and office work over 2019, it is still working on several higher education projects including four colleges for Kuwait University in the new Shadadiya University area and the College of Engineering and Petroleum for Kuwait University (in association with CambridgeSeven).

## 98= BOOGERTMAN + PARTNERS

COUNTRY	SOUTH AFRICA
LAST RANKING	NEW
ARCHITECTS EMPLOYED	72

Boogertman + Partners has responded to the decline in the construction sector in South Africa by looking to increase its presence in the rest of Africa and beyond. It has identified potential growth in several sectors including student and high-density residential, and anticipates working with joint venture local partners in countries such as Mauritius, the Ivory Coast and Zambia. The practice is also formalising a UK presence with joint venture partnerships in the housing and commercial sectors.

Within the South African market, Boogertman + Partners has opened an office in Stellenbosch to service work in the Western Cape.

Key projects last year include refurbishment and extension of Fourways, the country's largest shopping mall, and The Houghton Hotel, both in Johannesburg.

## 100 JESTICO + WHILES

COUNTRY	UK
LAST RANKING	NEW
ARCHITECTS EMPLOYED	70

In response to the volatile political landscape in the UK, Jestico + Whiles is looking to increase its international workload and identifies Africa and the Pacific Rim as target markets for 2020 and 2021.

Over the last year, the practice was busiest in residential, education, hospitality and science and technology. Key ongoing projects include the 33,000sq m Cavendish Library at the University of Cambridge, the 12-storey W Hotel in Edinburgh, and the final phase of the Greenwich Millennium Village.

Jestico + Whiles also completed its rehabilitation of Pitzhanger Manor, the Ealing residence of Sir John Soane.



## 98= WARREN AND MAHONEY

COUNTRY	NEW ZEALAND
LAST RANKING	81=
ARCHITECTS EMPLOYED	72

Warren and Mahoney remains the sole New Zealand representative in the top 100 despite a sharp fall in architect numbers.

In 2019, the practice had most success in office and mixed-use markets, with projects including the 43-storey Landmark Tower in Sydney. It plans to grow its work in this area, as well as in the education and research sectors, in anticipation of a cooling-off in the residential sector. It reports a growth in sport and recreation as well as hospitality and tourism, with ongoing projects including La Trobe University Sports Park in Melbourne.

Looking ahead, the practice will continue to pursue opportunities in Japan and elsewhere around the Pacific Rim.



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# REGIONAL TOP 10

## Where in the world?

The top architectural firms in each global region ranked by fee income

PHOTOS: ADAM LETICH; ATP/BAUSE



**Africa: The Houghton Hotel, Johannesburg, by Boogertman + Partners.**



**Central and Eastern Europe: Swarovski Kristallfabrik factory in Wattens, Austria, by ATP Architects Engineers.**

## AFRICA

RANK 2020	PRACTICE	COUNTRY	FEE INCOME US \$MILLION
1	Page	USA	33.4
2	Boogertman + Partners	South Africa	13.4
3	AECOM	USA	8.8
4	SAOTA	South Africa	6.5
5	Arcplus Group	China	6.5
6	Perkins + Will	USA	5.5
7	Gensler	USA	5.4
8	IDOM	Spain	4.0
9	Perkins Eastman	USA	3.7
10	Dewan Architects + Engineers	UAE	3.5

## CENTRAL AND EASTERN EUROPE

RANK 2020	PRACTICE	COUNTRY	FEE INCOME US \$MILLION
1	HDR	USA	39.2
2	ATP Architects Engineers	Austria	31.5
3	AECOM	USA	24.5
4	Chapman Taylor	UK	8.6
5	MVRDV	Netherlands	8.0
6	Bjarke Ingels Group	Denmark	6.9
7	Gensler	USA	5.5
8	Heerim Architects & Planners	South Korea	4.7
9	UNStudio	Netherlands	4.3
10	Dewan Architects + Engineers	UAE	3.0

## AUSTRALASIA

RANK 2020	PRACTICE	COUNTRY	FEE INCOME US \$MILLION
1	GHD Woodhead	Australia	52.4
2	AECOM	USA	49.5
3	Architectus Australia	Australia	45.0
4	Bates Smart	Australia	39.7
5	Warren and Mahoney	New Zealand	35.5
6	HDR	USA	34.8
7	Archetype Group	Vietnam	22.3
8	Hames Sharley	Australia	20.0
9	Gensler	USA	5.1
10	Foster + Partners	UK	4.7

## CENTRAL ASIA (inc India)

RANK 2020	PRACTICE	COUNTRY	FEE INCOME US \$MILLION
1	Gensler	USA	25.2
2	AECOM	USA	22.3
3	DSP Design Associates	India	16.0
4	Foster + Partners	UK	10.1
5	Nikken Sekkei	Japan	7.6
6	CP Kukreja Architects	India	6.0
7	Sikka Associates	India	5.5
8	Morphogenesis	India	5.4
9	Arcplus Group	China	4.7
10	SmithGroup	USA	3.9

## MIDDLE EAST

RANK 2020	PRACTICE	COUNTRY	FEE INCOME US \$MILLION
1	SSH	Bahrain	77.5
2	National Engineering Bureau	UAE	60.0
3	AECOM	USA	57.6
4	EHAF Consulting Engineers	UAE	55.7
5	Dewan Architects + Engineers	UAE	49.0
6	Gulf Consult	Kuwait	40.0
7	Foster + Partners	UK	39.4
8	HDR	USA	30.5
9	Gensler	USA	26.2
10	RSP	Singapore	25.0

## SOUTH AND CENTRAL AMERICA

RANK 2020	PRACTICE	COUNTRY	FEE INCOME US \$MILLION
1	Perkins + Will	USA	38.0
2	Page	USA	26.7
3	Gensler	USA	23.0
4	IDOM	Spain	21.0
5	Foster + Partners	UK	10.3
6	Perkins Eastman	USA	9.6
7	HKS	USA	8.6
8	HOK	USA	2.0
9	UNStudio	Netherlands	1.9
10	Bjarke Ingels Group	Denmark	1.5

## NORTH AMERICA

RANK 2020	PRACTICE	COUNTRY	FEE INCOME US \$MILLION
1	Gensler	USA	1,140.1
2	Perkins + Will	USA	500.0
3	Stantec	Canada	328.5
4	HDR	USA	304.5
5	AECOM	USA	300.5
6	DLR Group	USA	265.1
7	HOK	USA	262.0
8	HKS	USA	218.2
9	SmithGroup	USA	214.0
10	CannonDesign	USA	172.0

## PACIFIC RIM (inc China)

RANK 2020	PRACTICE	COUNTRY	FEE INCOME US \$MILLION
1	Arcplus Group	China	606.6
2	Nikken Sekkei	Japan	505.8
3	Aedas	China	210.3
4	Mitsubishi Jisho Sekkei	Japan	199.5
5	Heerim Architects & Planners	South Korea	174.0
6	Nihon Sekkei	Japan	169.2
7	Gensler	USA	129.1
8	Kume Sekkei	Japan	123.0
9	P&T Group	China	112.7
10	Kunwon	South Korea	100.8

## WESTERN EUROPE

RANK 2020	PRACTICE	COUNTRY	FEE INCOME US \$MILLION
1	AECOM	USA	96.0
2	ATP Architects Engineers	Austria	73.5
3	BDP	UK	69.3
4	LINK arkitektur	Norway	68.6
5	HPP Architekten	Germany	59.2
6	Allford Hall Monaghan Morris	UK	54.2
7	Perkins + Will	USA	53.0
8	Itten + Brechbühl	Switzerland	51.2
9	Gensler	USA	45.2
10	gmp Architekten	Germany	45.0



Pacific Rim: Shanghai Planetarium by Arcplus Group.



Westminster Park Plaza, 21st May

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# MARKET SECTORS TOP 10

## Project types

The top architecture practices in each market sector ranked by fee income



Education: Huili School, Shanghai, China, by DLR Group.

## CULTURE

RANK 2020	PRACTICE	COUNTRY	FEE INCOME \$US MILLION
1	Arcplus Group	China	78.5
2	DLR Group	USA	28.3
3	Gensler	USA	18.4
4	Perkins + Will	USA	14.0
5	AXS Satow	Japan	12.6
6	IDOM	Spain	12.0
7	Stantec	Canada	10.7
8	SSH	Bahrain	10.3
9	gmp Architekten	Germany	9.1
10	Nikken Sekkei	Japan	7.7

## EDUCATION

RANK 2020	PRACTICE	COUNTRY	FEE INCOME \$US MILLION
1	DLR Group	USA	115.2
2	PBK	USA	107.6
3	Perkins + Will	USA	102.0
4	Stantec	Canada	73.6
5	Gensler	USA	66.5
6	CannonDesign	USA	56.0
7	HDR	USA	37.6
8	SmithGroup	USA	33.6
9	Nikken Sekkei	Japan	33.3
10	Corgan Associates	USA	22.8

## ELDERLY LIVING

RANK 2020	PRACTICE	COUNTRY	FEE INCOME \$US MILLION
1	Gensler	USA	5.1
2	Nikken Sekkei	Japan	3.8
3	Stantec	Canada	2.8
4	Warren and Mahoney	New Zealand	2.4
5	HPP Architekten	Germany	2.0
6	Itten + Brechtbühl	Switzerland	1.8
7	Wilmotte & Associés	France	1.7
8	CF Møller Architects	Denmark	1.3
9	Leo A Daly	USA	1.3
10	Nihon Sekkei	Japan	1.0

## GOVERNMENT

RANK 2020	PRACTICE	COUNTRY	FEE INCOME \$US MILLION
1	Gensler	USA	50.4
2	HOK	USA	50.0
3	Page	USA	46.6
4	HDR	USA	45.1
5	DLR Group	USA	40.0
6	GHD Woodhead	Australia	37.0
7	Leo A Daly	USA	22.0
8	Stantec	Canada	19.0
9	AXS Satow	Japan	18.0
10	Kume Sekkei	Japan	17.0

## HEALTHCARE

RANK 2020	PRACTICE	COUNTRY	FEE INCOME \$US MILLION
1	HDR	USA	203.3
2	Perkins + Will	USA	143.0
3	HKS	USA	107.4
4	CannonDesign	USA	92.0
5	NBBJ	USA	80.0
6	Stantec	Canada	74.5
7	SmithGroup	USA	68.3
8	HOK	USA	47.0
9	Leo A Daly	USA	39.1
10	Page	USA	35.1

## HOSPITALITY

RANK 2020	PRACTICE	COUNTRY	FEE INCOME \$US MILLION
1	Gensler	USA	87.8
2	Aedas	China	64.7
3	Nikken Sekkei	Japan	52.1
4	HKS	USA	45.0
5	Perkins + Will	USA	27.0
6	Arcplus Group	China	24.6
7	Dewan Architects + Engineers	UAE	24.0
8	Kume Sekkei	Japan	20.0
9	EHAFC Consulting Engineers	UAE	18.2
10	DLR Group	USA	16.8

## MASTERPLANNING

RANK 2020	PRACTICE	COUNTRY	FEE INCOME \$US MILLION
1	Nikken Sekkei	Japan	50.8
2	Chapman Taylor	UK	39.0
3	Perkins + Will	USA	29.0
4	Gensler	USA	25.8
5	Foster + Partners	UK	20.1
6	Nihon Sekkei	Japan	19.4
7	KEO	Kuwait	16.6
8	HOK	USA	13.0
9	Bjarke Ingels Group	Denmark	12.4
10	SmithGroup	USA	11.5



Healthcare: University of Oklahoma Medical Center, by Perkins + Will.

## HERITAGE

RANK 2020	PRACTICE	COUNTRY	FEE INCOME \$US MILLION
1	Gensler	USA	12.0
2	BDP	UK	3.6
3	Page	USA	3.3
4	Arcplus Group	China	3.3
5	HPP Architekten	Germany	3.0
6	Wilmotte & Associés	France	2.8
7	HOK	USA	2.0
8	Itten + Brechtbühl	Switzerland	1.3
9	Warren and Mahoney	New Zealand	0.6
10	SSH	Bahrain	0.6

## INFRASTRUCTURE

RANK 2020	PRACTICE	COUNTRY	FEE INCOME \$US MILLION
1	Nikken Sekkei	Japan	25.7
2	IDOM	Spain	23.0
3	Leigh & Orange	China	14.3
4	SSH	Bahrain	12.0
5	KEO	Kuwait	8.3
6	RSP	Singapore	7.0
7	Heerim Architects & Planners	South Korea	6.9
8	UNStudio	Netherlands	4.6
9	gmp Architekten	Germany	4.6
10	LINK arkitektur	Norway	3.3

## MIXED-USE

RANK 2020	PRACTICE	COUNTRY	FEE INCOME \$US MILLION
1	Arcplus Group	China	214.3
2	Gensler	USA	139.0
3	Aedas	China	87.0
4	KEO	Kuwait	86.8
5	Nikken Sekkei	Japan	58.2
6	Heerim Architects & Planners	South Korea	41.8
7	HDR	USA	34.3
8	Stantec	Canada	31.5
9	Allford Hall Monaghan Morris	UK	31.3
10	Foster + Partners	UK	29.7



Hospitality: The Rock Hotel, Amaala, Saudi Arabia, by HKS.

PHOTO: GENSLER/MAKENA HUDSON



**Offices: Netflix HQ, Hollywood, by Gensler (far left).**

**Transport: Midfield Satellite Concourse, Los Angeles International Airport, by Corgan Associates (left).**

## OFFICES

RANK 2020	PRACTICE	COUNTRY	FEE INCOME \$US MILLION
1	Gensler	USA	694.1
2	Perkins + Will	USA	167.0
3	Mitsubishi Jisho Sekkei	Japan	128.4
4	HOK	USA	93.0
5	Nihon Sekkei	Japan	85.3
6	Arcplus Group	China	72.7
7	NBBJ	USA	70.0
8	Foster + Partners	UK	68.0
9	SmithGroup	USA	65.0
10	HKS	USA	50.0

## RESIDENTIAL

RANK 2020	PRACTICE	COUNTRY	FEE INCOME \$US MILLION
1	Arcplus Group	China	90.8
2	Kunwon	South Korea	52.4
3	P&T Group	China	48.5
4	Heerim Architects & Planners	South Korea	45.1
5	LWK + Partners	China	28.3
6	Nikken Sekkei	Japan	27.9
7	KEO	Kuwait	17.3
8	Wong Tung & Partners	China	16.3
9	Saraiva + Associados	Portugal	15.2
10	Bjarke Ingels Group	Denmark	14.6

## RETAIL

RANK 2020	PRACTICE	COUNTRY	FEE INCOME \$US MILLION
1	Gensler	USA	134.3
2	Foster + Partners	UK	25.1
3	Mitsubishi Jisho Sekkei	Japan	22.0
4	ATP Architects Engineers	Austria	20.8
5	Nikken Sekkei	Japan	18.3
6	Stantec	Canada	17.3
7	Arcplus Group	China	16.4
8	RSP	Singapore	15.0
9	Aedas	China	14.3
10	Chapman Taylor	UK	13.1

## SCIENCE AND TECHNOLOGY

RANK 2020	PRACTICE	COUNTRY	FEE INCOME \$US MILLION
1	HDR	USA	112.7
2	Perkins + Will	USA	50.0
3	ATP Architects Engineers	Austria	49.3
4	Arcplus Group	China	37.0
5	Corgan Associates	USA	36.9
6	Nikken Sekkei	Japan	35.3
7	Gensler	USA	33.2
8	SmithGroup	USA	32.0
9	Stantec	Canada	29.6
10	Page	USA	27.4

## SPORT

RANK 2020	PRACTICE	COUNTRY	FEE INCOME \$US MILLION
1	HKS	USA	32.6
2	Gensler	USA	27.5
3	HOK	USA	19.0
4	Perkins + Will	USA	14.0
5	Nikken Sekkei	Japan	12.8
6	IDOM	Spain	12.0
7	Arcplus Group	China	11.2
8	PBK	USA	10.4
9	NBBJ	USA	10.0
10	DLR Group	USA	9.3

## TRANSPORT

RANK 2020	PRACTICE	COUNTRY	FEE INCOME \$US MILLION
1	Gensler	USA	75.1
2	Corgan Associates	USA	50.3
3	HOK	USA	35.0
4	Aedas	China	28.4
5	Foster + Partners	UK	25.6
6	Heerim Architects & Planners	South Korea	25.0
7	Pascall+Watson	UK	23.6
8	Perkins + Will	USA	23.0
9	EHAF Consulting Engineers	UAE	20.0
10	Nikken Sekkei	Japan	17.0

# SPECIALISMS TOP 10

**Areas of expertise**  
The top architectural firms in each  
specialism ranked by fee income

## ARCHITECTURAL SERVICES

RANK 2020	PRACTICE	COUNTRY	FEE INCOME US \$MILLION
1	Gensler	USA	675.8
2	AECOM	USA	598.0
3	Arcplus Group	China	534.3
4	Perkins + Will	USA	428.5
5	Nikken Sekkei	Japan	352.4
6	Stantec	Canada	271.4
7	HDR	USA	266.7
8	HKS	USA	236.7
9	Aedas	China	215.7
10	Foster + Partners	UK	183.9

## CONSTRUCTION MANAGEMENT

RANK 2020	PRACTICE	COUNTRY	FEE INCOME US \$MILLION
1	AECOM	USA	1,530.0
2	EHAF Consulting Engineers	UAE	102.4
3	Heerim Architects & Planners	South Korea	74.9
4	KEO	Kuwait	63.0
5	Kunwon	South Korea	53.3
6	SSH	Bahrain	40.8
7	Nikken Sekkei	Japan	39.4
8	Surbana Jurong	Singapore	30.8
9	Stantec	Canada	23.1
10	Archetype Group	Vietnam	19.4

## CONSULTING

RANK 2020	PRACTICE	COUNTRY	FEE INCOME US \$MILLION
1	Gensler	USA	56.2
2	AECOM	USA	50.0
3	GulfConsult	Kuwait	40.0
4	Arcplus Group	China	34.6
5	Nikken Sekkei	Japan	25.7
6	HDR	USA	13.1
7	CannonDesign	USA	8.0
8	HOK	USA	6.0
9	HKS	USA	5.5
10	Nihon Sekkei	Japan	4.0

## ENGINEERING

RANK 2020	PRACTICE	COUNTRY	FEE INCOME US \$MILLION
1	Stantec	Canada	1,880.3
2	Surbana Jurong	Singapore	513.6
3	AECOM	USA	510.0
4	EHAF Consulting Engineers	UAE	109.7
5	DLR Group	USA	67.6
6	SmithGroup	USA	57.0
7	HDR	USA	56.6
8	Page	USA	53.4
9	CannonDesign	USA	33.0
10	ATP Architects Engineers	Austria	31.0

## ENVIRONMENT

RANK 2020	PRACTICE	COUNTRY	FEE INCOME US \$MILLION
1	AECOM	USA	1,337.0
2	Stantec	Canada	407.9
3	Arcplus Group	China	13.1
4	Foster + Partners	UK	12.4
5	KEO	Kuwait	8.3
6	ATP Architects Engineers	Austria	5.0
7	HOK	USA	3.0
8	Page	USA	2.7
9	Nihon Sekkei	Japan	2.5
10	Nikken Sekkei	Japan	1.3

## FACILITIES MANAGEMENT

RANK 2020	PRACTICE	COUNTRY	FEE INCOME US \$MILLION
1	Surbana Jurong	Singapore	139.1
2	CannonDesign	USA	9.0
3	Gensler	USA	7.8
4	HOK	USA	5.0
5	HPP	Germany	1.0
6	ASYA	Philippines	0.8

## INTERIOR DESIGN

RANK 2020	PRACTICE	COUNTRY	FEE INCOME US \$MILLION
1	Gensler	USA	563.1
2	Perkins + Will	USA	125.0
3	AECOM	USA	92.0
4	HOK	USA	71.0
5	Stantec	Canada	67.9
6	HDR	USA	60.9
7	NBBJ	USA	46.0
8	DLR Group	USA	40.5
9	Aedas	China	28.2
10	Page	USA	22.5

## LANDSCAPE ARCHITECTURE

RANK 2020	PRACTICE	COUNTRY	FEE INCOME US \$MILLION
1	AECOM	USA	69.0
2	EHAF Consulting Engineers	UAE	20.1
3	SmithGroup	USA	12.4
4	Perkins + Will	USA	7.5
5	BDP	UK	6.9
6	HOK	USA	6.0
7	HDR	USA	4.4
8	LINK arkitektur	Norway	3.6
9	GHD Woodhead	Australia	3.6
10	Page	USA	3.3

## PLANNING

RANK 2020	PRACTICE	COUNTRY	FEE INCOME US \$MILLION
1	Gensler	USA	49.6
2	AECOM	USA	47.0
3	Nikken Sekkei	Japan	38.4
4	Perkins + Will	USA	28.0
5	KEO	Kuwait	9.4
6	NBBJ	USA	9.0
7	SmithGroup	USA	8.6
8	HOK	USA	6.0
9	Surbana Jurong	Singapore	4.7
10	HDR	USA	4.4

## PRODUCT DESIGN

RANK 2020	PRACTICE	COUNTRY	FEE INCOME US \$MILLION
1	Gensler	USA	5.0
2	HDR	USA	4.4
3	Foster + Partners	UK	2.4
4	HOK	USA	1.0
5	ZGF Architects	USA	0.9
6	Wilmutte & Associés	France	0.9
7	Pascall+Watson	UK	0.6
8	CF Møller Architects	Denmark	0.5
9	HPP	Germany	0.3
10	LINK arkitektur	Norway	0.3

## PROJECT MANAGEMENT

RANK 2020	PRACTICE	COUNTRY	FEE INCOME US \$MILLION
1	AECOM	USA	403.0
2	EHAF Consulting Engineers	UAE	47.0
3	KEO	Kuwait	23.9
4	Page	USA	13.4
5	Surbana Jurong	Singapore	11.6
6	Arcplus Group	China	10.1
7	HDR	USA	8.7
8	Nikken Sekkei	Japan	7.2
9	BDP	UK	6.3
10	RSP	Singapore	4.0

## URBAN DESIGN

RANK 2020	PRACTICE	COUNTRY	FEE INCOME US \$MILLION
1	AECOM	USA	78.0
2	Gensler	USA	47.2
3	Nikken Sekkei	Japan	27.5
4	EHAF Consulting Engineers	UAE	22.4
5	HDR	USA	16.1
6	Arcplus Group	China	15.9
7	Perkins + Will	USA	15.0
8	Nihon Sekkei	Japan	14.1
9	IDOM	Spain	12.0
10	Broadway Malyan	UK	9.5

## SURVEYING

RANK 2020	PRACTICE	COUNTRY	FEE INCOME US \$MILLION
1	AECOM	USA	40.0
2	Arcplus Group	China	17.9
3	HPP	Germany	2.3
4	Surbana Jurong	Singapore	1.9
5	Itten + Brechbühl	Switzerland	1.3
6	Nikken Sekkei	Japan	0.6

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<b>ARCHETYPE GROUP</b>	<b>62</b>	Europaplads 2, 11th Floor, Aarhus 8000, Denmark +45 3066 9396 jw@cfmoller.com	www.cfmoller.com
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<b>KEO</b>	<b>48=</b>	<b>PAGE</b>	<b>70</b>	<b>SWECO</b>	<b>5</b>
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<b>LEIGH &amp; ORANGE</b>	<b>53</b>	<b>PERKINS + WILL</b>	<b>9</b>	<b>VALODE &amp; PISTRE</b>	<b>68</b>
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<b>LWK &amp; PARTNERS</b>	<b>36</b>	<b>RONALD LU &amp; PARTNERS</b>	<b>44</b>	<b>WILMOTTE &amp; ASSOCIÉS</b>	<b>60=</b>
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