

ENR THE GLOBAL REVIEW +

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NUMBER 60

TERRACES EHAFC provided design, project management and construction supervision services on the Telal Al-Fustat Central Park project in Cairo, Egypt.

Market Challenges Make Waves

Top 250 contractor and Top 225 design revenue rises as firms face inflation, supply chain disruptions and regional conflicts. By Emell Adolphus and Jonathan Keller



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Revenue climbed last year despite ample headwinds

Revenue for the Top 250 International Contractors is the highest since 2015, rising to \$499.7 billion last year. Overall, new project contract value for Top 250 International Contractors rose 15.1%. Of the 237 international contractors that filed surveys for both the 2023 and 2024 rankings, 63% said revenue increased. Among contractors ranking in 2024 that reported on backlog, 54% said it was up, and of 165 firms reporting profit-loss trends in international construction, 92.7% said their firms were profitable.

With intensifying effects of regional conflicts, supply chain disruptions and cost escalation, projects toe a thin line between shovel-ready and shelved. To reduce risks and diversify operations, contractors are proactively shoring up key markets with resource investments.

Top 250 contractors increased their revenue in nearly all regions, including the Middle East (28.8%), the U.S. (27.9%), Latin America (27.3%), and Australia (21%), but Canadian revenue was virtually flat, at 0.3% growth.

After the COVID-19 pandemic, construction costs have “significantly increased all over the world,” says Mustafa Toprak, CEO of Istanbul-based contractor Esta Insaat Sanayi Lojistik ve Dis Ticaret AS. In response to higher prices, he says the company’s “construction markets have dramatically contracted” and that “obtaining qualitative

manpower ... has been more difficult than before.”

Urbacon Trading and Contracting, ranked No. 42, named Iraq, Kazakhstan, Libya and Latin America as some of its emerging markets.

“In these regions, [the firm] has ventured into comprehensive infrastructure development, oil and gas, energy and hospitality sectors,” says Mohd Sabri, CEO of UCC Holding. “As a contractor but also as an investor, this dual role underscores [our] commitment to long-term growth and regional development.”

The global design firms add that proximity and regional expertise continue to be the main drivers of project success.

Overall, revenue for the Top 225 International Design Firms is up 12.7%. A portion of that increase can be attributed to the return of TechnipEnergies to the list, which added \$2.08 billion. Without Technip, Top 225 revenue increased 9.9%.

Median revenue was \$59.8 million in 2023, up 27.5% over last year. Of the 214

firms that filed surveys this year and last, 75.2% reported higher revenue. The increase is slightly up from the equivalent number last year, but 55.1% saw revenue rise 10% or more.

Related to how inflation and shifting economic conditions have affected the types of projects they take on, Top 225 firms shared that some sectors have been more vulnerable to economic conditions than others.

The largest revenue increases for Top 225 firms were seen in the Middle East, up 30.4%; Africa, up 28.4%; and Latin America, up 23.8%. The Middle East region is at its highest total since 2018, with many firms attributing that growth to Saudi Arabia’s Vision 2030.

“Saudi Arabia continues to offer the greatest opportunity,” adds SSH CEO Matt Squires. “With our growth path that started six years ago ... we have increased our investment and commitment toward this key market and positioned SSH as a partner of choice, supporting clients in delivering their exciting program of works.” For Top 225 firms, however, Asia revenue fell 7.4% in 2023, with Australia/Oceania down 1.7% in revenue. All geographic markets had generated higher revenue for firms between 2022 and 2023.

For Royal HaskoningDHV, growth has been sector specific: water management, manufacturing and logistics, and renewable energy and decarbonization of industry, says CEO Marije Hulshof.

Overall, the largest increases for Top 225 firms were in the manufacturing sector, at 32.5%; industrial process, 29.9%; and petroleum, 26%. Much of the growth in petroleum comes from the return of TechnipEnergies to the list.

A total of 192 firms filed backlog data on this year’s survey, with 69.3% reporting it to be higher than one year ago but down from 74.1% reporting higher backlog on last year’s survey. The Top 10 firms combined make up \$41.5 billion, slightly over 50% of the total. About 93.9% of firms that reported their profitability status said they made a profit in 2023. ■

By Emell Adolphus and Jonathan Keller





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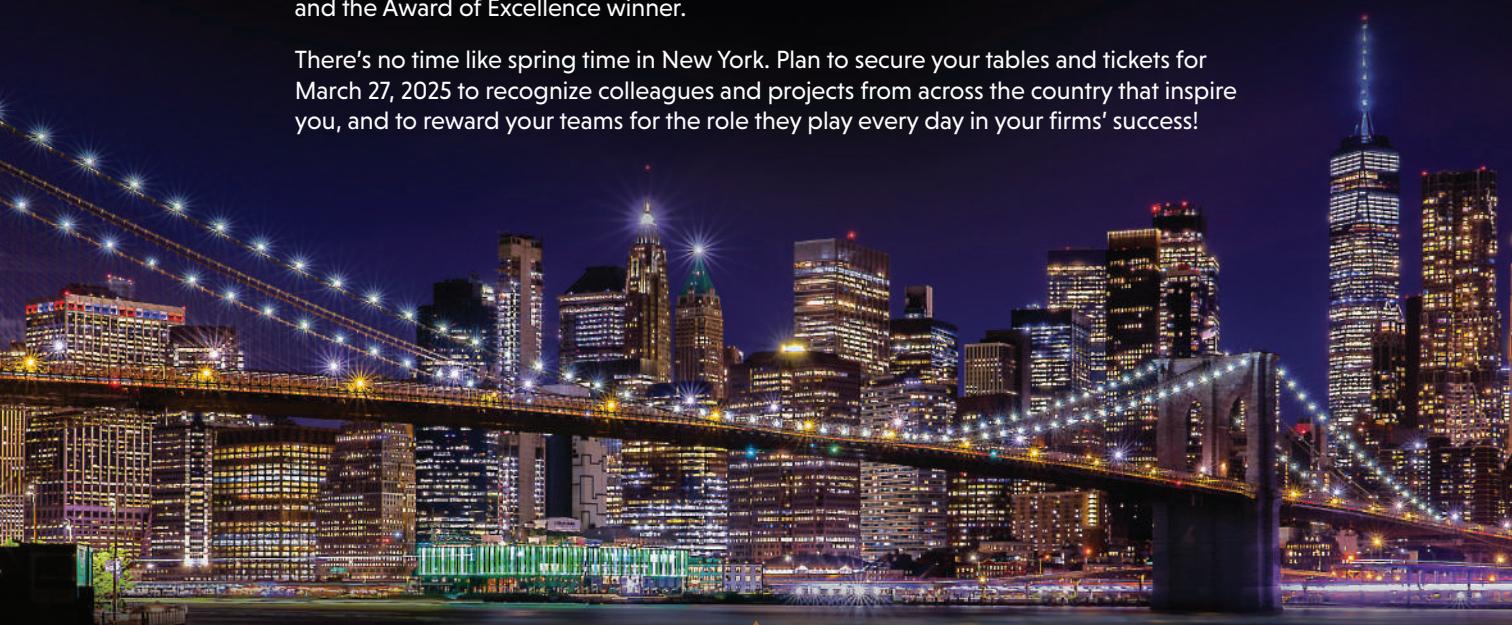
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GLOBAL REVIEW+

GENERAL BUILDING



Medical Facilities Expand Down Under

The \$335-million Ryde Hospital redevelopment in Sydney, Australia progresses

BUILDING FOR HEALTH The new facilities at Ryde Hospital will expand access to care for the region.

AW Edwards, an Australian subsidiary of Bouygues Construction, is well underway under a \$258-million contract to deliver the \$335-million redevelopment of Ryde Hospital for the Northern Sydney Local Health District in Australia. Silver Thomas Hanley is the lead architect.

Work began earlier this year on a new emergency department, expanded intensive care unit, theaters, an ambulatory care center, a pediatric short stay unit, more adult overnight inpatient beds and an expanded medical imaging facility.

“We are proud of... contributing

to improved access to quality healthcare for the residents of the region,” said Pierre-Eric Saint André, deputy CEO of France-based Bouygues, in a statement. The new hospital building is scheduled for completion in 2027.

The project includes a 430,560-sq-ft clinical building and parking garages. Work on the new main hospital entrance, demolition of existing buildings and landscaping will continue into 2028. Last year, HPAC served as the early-works contractor on the demolition of three buildings and site preparation.

The buildings will integrate with the existing campus, including the Graythwaite Rehabilitation Centre and Denistone House, a 146-year-old historic building. The project also includes new roads, urban spaces, landscaping and communications technology infrastructure.

To support the health district’s goal of becoming carbon-neutral by 2035, the project includes capacity for more than 100 photovoltaic cells, infrastructure for 18 electric vehicle charging stations, a green roof and fully integrated waste management facility. ■

By Bruce Buckley

\$15.7

Total amount in trillions of global construction forecast for 2025.

Source: S&P Global

Top International Contractors

GENERAL BUILDING		
RANK	FIRM	REVENUE (\$ MIL.)*
1	GRUPO ACS/HOCHTIEF	12,416.8
2	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	11,517.0
3	BOUYGUES	9,874.0
4	STRABAG SE	5,682.2
5	SKANSKA AB	5,038.9
6	KAJIMA CORP.	2,786.9
7	PCL CONSTRUCTION	2,776.3
8	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	2,672.4
9	OBAYASHI CORP.	2,346.0
10	EIFFAGE	1,820.0
11	CHINA RAILWAY CONSTRUCTION CORP. LTD.	1,762.0
12	VINCI	1,664.0
13	URBACON TRADING AND CONTRACTING WLL	1,486.1
14	PORR AG	1,482.9
15	ATLAS GROUP	1,247.0
16	CHINA RAILWAY GROUP LTD.	1,198.5
17	FERROVIAL	1,106.2
18	ORASCOM CONSTRUCTION PLC	1,099.0
19	POWER CONSTRUCTION CORP. OF CHINA	986.9
20	SHAPOORJI PALLONJI & CO. PRIVATE LTD.	962.0
21	LIMAK INSAAT SANAYI VE TICARET AS	941.0
22	RENAISSANCE CONSTRUCTION	918.6
23	ANT YAPI INDUSTRY & TRADE INC.	834.0
24	BL HARBERT INTERNATIONAL	757.6
25	WEBUILD SPA	732.5
26	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	700.4
27	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	676.1
28	QINGJIAN GROUP CO. LTD.	651.1
29	STO BUILDING GROUP	633.0
30	GRAHAM	611.0
31	GS ENGINEERING & CONSTRUCTION	603.5
32	ASLAN YAPI VE TICARET AS	583.4
33	ENKA INSAAT VE SANAYI AS	531.5
34	PENTA-OCEAN CONSTRUCTION CO. LTD.	520.0
35	CHINA METALLURGICAL GROUP CORP.	519.2
36	CHINA NATIONAL MACHINERY INDUSTRY CORP.	500.5
37	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	433.9
38	XPCC CONSTRUCTION & ENGINEERING (GROUP) CO. LTD.	431.5
39	ELECTRA LTD.	402.1
40	KUZU GROUP	402.0
41	TAKENAKA CORP.	385.0
42	CADDELL CONSTRUCTION	384.8
43	MOTA-ENGIL	348.0
44	BEIJING URBAN CONSTRUCTION GROUP CO. LTD.	342.8
45	ESTA INSAAT SANAYI LOJISTIK VE DIS TICARET AS	332.0
46	OHLA	328.4
47	BEIJING CONSTRUCTION ENGINEERING GROUP CO. LTD.	323.6
48	WEIHAI INTERNATIONAL ECONOMIC & TECHNICAL COOPERATIVE CO. LTD.	317.6
49	LARSEN & TOUBRO LTD.	306.8
50	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	305.8

Top International Design Firms

GENERAL BUILDING		
RANK	FIRM	REVENUE (\$ MIL.)*
1	WSP GLOBAL INC.	1,544.3
2	SIDARA	1,199.4
3	ARCADIS NV	1,160.5
4	AECOM	1,051.1
5	STANTEC INC.	847.1
6	ATKINSRÉALIS	832.2
7	SWECO AB	750.0
8	EGIS GROUP	451.7
9	JACOBS SOLUTIONS INC.	413.1
10	SURBANA JURONG PRIVATE LTD.	412.6
11	RAMBOLL GROUP	399.0
12	TETRA TECH	340.0
13	GENSLER	303.3
14	AFRY	223.0
15	POPULOUS	218.9
16	MEINHARDT GROUP INTERNATIONAL	207.5
17	EXP	197.4
18	EHAF CONSULTING ENGINEERS	184.3
19	ARTELIA	184.2
20	KHATIB & ALAMI	177.1
21	GHD	172.7
22	CHINA ENERGY ENGINEERING CORP. LTD.	162.1
23	MOTT MACDONALD	152.3
24	DORSCH GLOBAL GMBH	146.5
25	ID&E HOLDINGS F/K/A NIPPON KOEI GROUP	144.6
26	TRACTEBEL ENGINEERING	131.8
27	HDR	130.3
28	SKIDMORE OWINGS & MERRILL	121.5
29	COWI A/S	116.3
30	NORR	107.2
31	PAGE	104.9
32	KOHN PEDERSEN FOX	99.5
33	WORLEY LTD.	95.0
34	PARSONS CORP.	85.0
35	ATLAS GROUP	85.0
36	JENSEN HUGHES	83.2
37	HOK	83.1
38	DEWAN ARCHITECTS + ENGINEERS	80.0
39	SSH	74.1
40	KEO INTERNATIONAL CONSULTANTS	73.9
41	TPF SA	71.0
42	HKS	70.9
43	AURECON	69.0
44	CTI ENGINEERING GROUP	66.5
45	TECNICA Y PROYECTOS SA (TYPESA)	62.8
46	NV5 GLOBAL INC.	59.8
47	PROGER SPA	58.1
48	AJI GROUP (ARABTECH JARDANEH)	56.3
49	NKY ARCHITECTS AND ENGINEERS	55.9
50	THORNTON TOMASETTI	55.6

*BASED ON 2023 CONTRACTOR AND DESIGN FIRM REVENUE FROM GENERAL BUILDING AS REPORTED IN ENR'S SURVEYS OF LEADING CONTRACTORS AND DESIGN FIRMS IF AVAILABLE, OTHERWISE THE SUM OF SUBMARKET TOTALS.
 **BASED ON SUPPLEMENTAL MARKET REVENUE DATA FROM 2023 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK SURVEYS. SEE ENR.COM FOR COMPLETE LISTINGS.

Top International Contractors

COMMERCIAL OFFICES AND BANKS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	4,084.2
2	SKANSKA AB	1,148.2
3	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	574.8
4	STO BUILDING GROUP	517.0
5	OBAYASHI CORP.	372.0
6	KAJIMA CORP.	212.1
7	ENKA INSAAT VE SANAYI AS	209.4
8	PENTA-OCEAN CONSTRUCTION CO. LTD.	169.6
9	SHANGHAI CONSTRUCTION GROUP CO. LTD.	119.7
10	BEIJING URBAN CONSTRUCTION GROUP CO. LTD.	103.5
11	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	88.9
12	CHINA RAILWAY CONSTRUCTION CORP. LTD.	87.0
13	BAUER AG	84.6
14	CHINA WU YI CO. LTD.	82.8
15	TAISEI CORP.	77.0
16	SHENYANG YUANDA ALUMINUM INDUS. ENG'G CO. LTD.	70.5
17	SHIMIZU CORP.	61.4
18	CHINA METALLURGICAL GROUP CORP.	50.7
19	ELECTRA LTD.	50.0
20	CALIK ENERJI SANAYI VE TICARET AS	45.0
21	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	41.3
22	CGCOC GROUP CO. LTD.	37.1
23	CHINA GANSU INT'L ECON. AND TECH. COOP. CO. LTD.	35.8
24	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	33.4
25	IMPRESA PIZZAROTTI & C. SPA	31.0

GOVERNMENT OFFICES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	812.3
2	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	765.1
3	BL HARBERT INTERNATIONAL	735.4
4	CHINA RAILWAY GROUP LTD.	422.0
5	CADDELL CONSTRUCTION	384.8
6	CHINA RAILWAY CONSTRUCTION CORP. LTD.	256.0
7	FLUOR	217.5
8	WEBUILD SPA	204.2
9	ENKA INSAAT VE SANAYI AS	179.2
10	PENTA-OCEAN CONSTRUCTION CO. LTD.	162.4
11	SKANSKA AB	147.9
12	OBAYASHI CORP.	95.0
13	PER AARSLEFF HOLDING A/S	86.7
14	DPR CONSTRUCTION	73.5
15	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	69.1
16	WEIHAI INTERNATIONAL ECONOMIC & TECHNICAL COOPERATIVE CO. LTD.	64.3
17	PARSONS CORP.	63.3
18	KAJIMA CORP.	63.1
19	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	59.8
20	GAP INSAAT YATIRIM VE DIS TICARET AS	50.7
21	THE ARAB CONTRACTORS (OSMAN AHMED OSMAN & CO.)	46.0
22	TIANYUAN CONSTRUCTION GROUP CO. LTD.	43.8
23	YANJIAN GROUP CO. LTD.	41.6
24	STO BUILDING GROUP	34.0
25	ECC	33.9

Top International Design Firms

COMMERCIAL OFFICES AND BANKS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	304.3
2	ARCADIS NV	227.8
3	SIDARA	201.5
4	GENSLER	121.1
5	AECOM	86.2
6	STANTEC INC.	79.4
7	TETRA TECH	65.0
8	SURBANA JURONG PRIVATE LTD.	48.1
9	JACOBS SOLUTIONS INC.	45.3
10	RAMBOLL GROUP	43.1
11	DORSCH GLOBAL GMBH	42.5
12	MEINHARDT GROUP INTERNATIONAL	35.3
13	AFRY	33.3
14	ARTELIA	28.1
15	CHINA ENERGY ENGINEERING CORP. LTD.	28.0
16	JENSEN HUGHES	27.2
17	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	25.1
18	ATKINSRÉALIS	24.9
19	NORR	24.1
20	KOHN PEDERSEN FOX	23.0
21	CTI ENGINEERING GROUP	20.2
22	THORNTON TOMASETTI	18.6
23	ID&E HOLDINGS F/K/A NIPPON KOEI GROUP	17.4
24	HDR	12.9
25	MOTT MACDONALD	12.8

GOVERNMENT OFFICES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	322.8
2	ATKINSRÉALIS	303.7
3	AECOM	217.8
4	TETRA TECH	190.0
5	JACOBS SOLUTIONS INC.	179.7
6	ARCADIS NV	166.1
7	STANTEC INC.	88.5
8	PAGE	75.5
9	SIDARA	51.9
10	BLACK & VEATCH	51.9
11	RAMBOLL GROUP	51.8
12	SURBANA JURONG PRIVATE LTD.	44.3
13	ASSYSTEM	42.2
14	KHATIB & ALAMI	41.2
15	EGIS GROUP	29.1
16	EXP	23.9
17	HDR	22.7
18	MOTT MACDONALD	21.5
19	BURNS & MCDONNELL	20.4
20	THORNTON TOMASETTI	18.5
21	ORIENTAL CONSULTANTS GLOBAL (OCHD)	14.4
22	AFRY	14.2
23	NORR	14.2
24	GENSLER	12.7
25	DAY & ZIMMERMANN	12.7

*BASED ON 2023 CONTRACTOR AND DESIGN FIRM REVENUE FROM GENERAL BUILDING AS REPORTED IN ENR'S SURVEYS OF LEADING CONTRACTORS AND DESIGN FIRMS IF AVAILABLE, OTHERWISE THE SUM OF SUBMARKET TOTALS.
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Top International Contractors

EDUCATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	1,368.9
2	SKANSKA AB	1,331.1
3	POWER CONSTRUCTION CORP. OF CHINA	524.1
4	CHINA RAILWAY CONSTRUCTION CORP. LTD.	186.0
5	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	161.0
6	OHLA	82.2
7	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	81.4
8	OBAYASHI CORP.	74.0
9	PENTA-OCEAN CONSTRUCTION CO. LTD.	68.6
10	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	65.7
11	WEIHAI INTERNATIONAL ECONOMIC & TECHNICAL COOPERATIVE CO. LTD.	64.7
12	CHINA NATIONAL MACHINERY INDUSTRY CORP.	46.6
13	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	42.8
14	QINGJIAN GROUP CO. LTD.	42.4
15	KAJIMA CORP.	34.9
16	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	29.9
17	YANJIAN GROUP CO. LTD.	29.4
18	JIANGSU PROVINCIAL CONSTRUCTION GROUP CO. LTD.	27.5
19	XPCC CONSTRUCTION & ENGINEERING (GROUP) CO. LTD.	26.0
20	ANHUI CONSTRUCTION ENGINEERING GROUP CO. LTD.	22.6
21	CHINA ENERGY ENGINEERING CORP. LTD.	21.6
22	SEMBOL ULUSLARARASI YATIRIM TARIM PEYZAJ INSAAT	20.5
23	THE WALSH GROUP	19.1
24	THE ARAB CONTRACTORS (OSMAN AHMED OSMAN & CO.)	18.8
25	CHINA GANSU INT'L ECON. AND TECH. COOP. CO. LTD.	18.0

MULTI-UNIT RESIDENTIAL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	6,057.6
2	KAJIMA CORP.	1,123.7
3	OBAYASHI CORP.	776.0
4	SKANSKA AB	591.6
5	GS ENGINEERING & CONSTRUCTION	587.3
6	QINGJIAN GROUP CO. LTD.	556.7
7	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	447.8
8	CHINA RAILWAY CONSTRUCTION CORP. LTD.	333.0
9	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	319.8
10	GRUPO ACS/HOCHTIEF	307.6
11	LIMAK INSAAT SANAYI VE TICARET AS	302.0
12	LONGXIN CONSTRUCTION GROUP CO. LTD.	266.3
13	CHINA METALLURGICAL GROUP CORP.	249.4
14	XPCC CONSTRUCTION & ENGINEERING (GROUP) CO. LTD.	210.0
15	CHINA NATIONAL MACHINERY INDUSTRY CORP.	201.2
16	MOHAMMED ABDULMOHSIN AL-KHARAFI & SONS	174.2
17	WEBUILD SPA	170.4
18	ZHONGDING INTERNATIONAL ENGINEERING CO. LTD	156.0
19	CHINA RAILWAY GROUP LTD.	150.2
20	BEIJING URBAN CONSTRUCTION GROUP CO. LTD.	147.1
21	ELECTRA LTD.	136.5
22	JIANGSU TONGZHOU NO.4 CONSTR. GROUP CO. LTD.	109.8
23	YANJIAN GROUP CO. LTD.	97.1
24	SHENYANG YUANDA ALUMINUM INDUS. ENG'G CO. LTD.	91.6
25	SHANDONG ZIJIAN CONSTRUCTION GROUP CO. LTD.	82.5

Top International Design Firms

EDUCATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	SIDARA	158.7
2	WSP GLOBAL INC.	134.8
3	ARCADIS NV	122.2
4	SURBANA JURONG PRIVATE LTD.	112.5
5	ATKINSRÉALIS	91.8
6	STANTEC INC.	78.7
7	AECOM	51.0
8	RAMBOLL GROUP	32.1
9	AFRY	27.9
10	ID&E HOLDINGS F/K/A NIPPON KOEI GROUP	24.2
11	EXP	20.4
12	EHAF CONSULTING ENGINEERS	18.5
13	DORSCH GLOBAL GMBH	17.2
14	AJI GROUP (ARABTECH JARDANEH)	16.7
15	MEINHARDT GROUP INTERNATIONAL	16.6
16	TPF SA	16.6
17	MOTT MACDONALD	15.1
18	PERKINS EASTMAN	11.3
19	ARTELIA	10.6
20	TECNICA Y PROYECTOS SA (TYPESA)	10.1
21	KHATIB & ALAMI	9.6
22	NORR	9.5
23	JACOBS SOLUTIONS INC.	8.8
24	COWI A/S	8.6
25	DEWAN ARCHITECTS + ENGINEERS	8.5

MULTI-UNIT RESIDENTIAL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	179.1
2	STANTEC INC.	134.6
3	ATKINSRÉALIS	113.6
4	AECOM	102.4
5	SURBANA JURONG PRIVATE LTD.	99.3
6	EGIS GROUP	80.3
7	PARSONS CORP.	79.2
8	SIDARA	74.5
9	ARCADIS NV	59.4
10	KHATIB & ALAMI	46.0
11	EHAF CONSULTING ENGINEERS	41.1
12	EXP	35.1
13	MOTT MACDONALD	24.9
14	NORR	24.1
15	AFRY	24.0
16	DEWAN ARCHITECTS + ENGINEERS	24.0
17	CTI ENGINEERING GROUP	21.4
18	GENSLER	20.2
19	JENSEN HUGHES	16.5
20	SSH	15.8
21	KEO INTERNATIONAL CONSULTANTS	15.4
22	COWI A/S	15.4
23	JACOBS SOLUTIONS INC.	13.9
24	TPF SA	13.9
25	ASSOCIATED CONSULTING ENGINEERS	13.0

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 **BASED ON SUPPLEMENTAL MARKET REVENUE DATA FROM 2023 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK SURVEYS. SEE ENR.COM FOR COMPLETE LISTINGS.

Top International Contractors

HOTELS, MOTELS AND CONVENTION CENTERS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	564.2
2	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	411.7
3	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	344.5
4	SKANSKA AB	205.2
5	SEMBOL ULUSLARARASI YATIRIM TARIM PEYZAJ INSAAT	202.0
6	LARSEN & TOUBRO LTD.	171.6
7	XPCC CONSTRUCTION & ENGINEERING (GROUP) CO. LTD.	98.3
8	JIANGSU PROVINCIAL CONSTRUCTION GROUP CO. LTD.	86.9
9	ANHUI CONSTRUCTION ENGINEERING GROUP CO. LTD.	72.0
10	KAJIMA CORP.	71.5
11	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	66.4
12	WEIHAI INTERNATIONAL ECONOMIC & TECHNICAL COOPERATIVE CO. LTD.	63.2
13	ZAFER TAAHHUT INSAAT VE TICARET AS	58.7
14	CHINA METALLURGICAL GROUP CORP.	53.7
15	CHINA RAILWAY CONSTRUCTION CORP. LTD.	51.0
16	CONSOLIDATED CONTRACTORS GROUP	49.9
17	HASSAN ALLAM HOLDING	44.6
18	QINGJIAN GROUP CO. LTD.	36.5
19	SHANDONG HI-SPEED DEJIAN GROUP CO. LTD.	35.3
20	SSANGYONG ENGINEERING & CONSTRUCTION CO. LTD.	33.7
21	SHENYANG YUANDA ALUMINUM INDUS. ENG'G CO. LTD.	28.1
22	BEIJING CONSTRUCTION ENGINEERING GROUP CO. LTD.	28.0
23	SUMMA TURIZM YATIRIMCILIGI AS	25.6
24	SHIMIZU CORP.	23.7
25	BAUER AG	21.1

RETAIL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	452.6
2	CHINA RAILWAY CONSTRUCTION CORP. LTD.	254.0
3	JIANGSU ZHONGNAN CONSTRUCTION INDUSTRY GROUP CO. LTD	164.5
4	OBAYASHI CORP.	158.0
5	BEIJING CONSTRUCTION ENGINEERING GROUP CO. LTD.	146.1
6	SHANDONG ZIJIAN CONSTRUCTION GROUP CO. LTD.	124.8
7	CONSOLIDATED CONTRACTORS GROUP	123.4
8	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	119.6
9	SKANSKA AB	83.7
10	WEIHAI INTERNATIONAL ECONOMIC & TECHNICAL COOPERATIVE CO. LTD.	74.9
11	CHINA METALLURGICAL GROUP CORP.	63.5
12	BAUER AG	63.4
13	TAISEI CORP.	61.0
14	GRUPO ACS/HOCHTIEF	54.6
15	SHANGHAI URBAN CONSTRUCTION (GROUP) CO. LTD	53.1
16	ZHONGDING INTERNATIONAL ENGINEERING CO. LTD	51.5
17	LIMAK INSAAT SANAYI VE TICARET AS	50.0
18	ZHONGMEI ENGINEERING GROUP LTD.	47.0
19	CHINA NUCLEAR ENGINEERING CORP. LTD.	39.4
20	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	30.2
21	SHIMIZU CORP.	19.2
22	SUMITOMO MITSUI CONSTRUCTION CO. LTD.	17.5
23	KAJIMA CORP.	17.4
24	DOGUS INSAAT VE TICARET AS	15.2
25	CHONGQING INTERNATIONAL CONSTRUCTION CORP.	14.0

Top International Design Firms

HOTELS, MOTELS AND CONVENTION CENTERS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	EGIS GROUP	96.3
2	ATKINSRÉALIS	84.8
3	WSP GLOBAL INC.	77.5
4	AECOM	63.2
5	SIDARA	52.1
6	HKS	42.5
7	EHAF CONSULTING ENGINEERS	34.3
8	DEWAN ARCHITECTS + ENGINEERS	25.0
9	KHATIB & ALAMI	22.2
10	RAMBOLL GROUP	21.8
11	ARCADIS NV	21.0
12	ARTELIA	20.6
13	EXP	20.1
14	SSH	18.9
15	REBEL DESIGN+GROUP	17.6
16	GENSLER	16.3
17	TECNICA Y PROYECTOS SA (TYPESA)	15.7
18	MEINHARDT GROUP INTERNATIONAL	14.5
19	STANTEC INC.	13.4
20	PERKINS EASTMAN	10.8
21	AFRY	9.6
22	DLR GROUP	8.5
23	DAO BADRAN	6.0
24	KEO INTERNATIONAL CONSULTANTS	5.6
25	SURBANA JURONG PRIVATE LTD.	4.8

RETAIL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ARCADIS NV	230.1
2	CHINA ENERGY ENGINEERING CORP. LTD.	134.1
3	EGIS GROUP	114.3
4	WSP GLOBAL INC.	109.9
5	SIDARA	92.0
6	ATKINSRÉALIS	70.6
7	GENSLER	34.4
8	STANTEC INC.	27.0
9	TETRA TECH	25.0
10	KEO INTERNATIONAL CONSULTANTS	23.9
11	ID&E HOLDINGS F/K/A NIPPON KOEI GROUP	22.4
12	AFRY	21.6
13	EHAF CONSULTING ENGINEERS	19.6
14	AECOM	16.7
15	ARTELIA	15.0
16	MOTT MACDONALD	12.6
17	DEERNS	12.3
18	MEINHARDT GROUP INTERNATIONAL	10.4
19	RAMBOLL GROUP	10.3
20	KOHN PEDERSEN FOX	10.1
21	CTI ENGINEERING GROUP	9.5
22	KHATIB & ALAMI	8.5
23	SALAS O'BRIEN	8.4
24	MG2	8.1
25	JACOBS SOLUTIONS INC.	7.0

*BASED ON 2023 CONTRACTOR AND DESIGN FIRM REVENUE FROM GENERAL BUILDING AS REPORTED IN ENR'S SURVEYS OF LEADING CONTRACTORS AND DESIGN FIRMS IF AVAILABLE, OTHERWISE THE SUM OF SUBMARKET TOTALS.
 **BASED ON SUPPLEMENTAL MARKET REVENUE DATA FROM 2023 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK SURVEYS. SEE ENR.COM FOR COMPLETE LISTINGS.

Top International Contractors

CORRECTIONAL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	119.3
2	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	17.4
3	SKANSKA AB	10.1
4	STO BUILDING GROUP	8.0
5	WEIHAI INTERNATIONAL ECONOMIC & TECHNICAL COOPERATIVE CO. LTD.	4.6

HEALTH CARE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	2,703.9
2	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	1,151.3
3	SKANSKA AB	1,028.6
4	KAJIMA CORP.	457.3
5	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	362.1
6	OBAYASHI CORP.	343.0
7	SACYR	274.8
8	IMPRESA PIZZAROTTI & C. SPA	209.1
9	OHLA	152.2
10	GAP INSAAT YATIRIM VE DIS TICARET AS	145.1
11	URBACON TRADING AND CONTRACTING WLL	145.0
12	ENKA INSAAT VE SANAYI AS	131.2
13	POWER CONSTRUCTION CORP. OF CHINA	121.0
14	CHINA RAILWAY CONSTRUCTION CORP. LTD.	104.0
15	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	95.5
16	CHINA NATIONAL MACHINERY INDUSTRY CORP.	83.3
17	SSANGYONG ENGINEERING & CONSTRUCTION CO. LTD.	74.1
18	SHANGHAI CONSTRUCTION GROUP CO. LTD.	55.0
19	PENTA-OCEAN CONSTRUCTION CO. LTD.	52.6
20	BEIJING URBAN CONSTRUCTION GROUP CO. LTD.	50.0
21	SHIMIZU CORP.	46.2
22	ZHONGDING INTERNATIONAL ENGINEERING CO. LTD	41.7
23	LIMAK INSAAT SANAYI VE TICARET AS	40.0
24	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	38.5
25	GILBANE BUILDING CO.	33.9

DISTRIBUTION & WAREHOUSES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	KAJIMA CORP.	466.2
2	POWER CONSTRUCTION CORP. OF CHINA	232.5
3	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	102.4
4	ELECTRA LTD.	89.3
5	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	85.8
6	HYUNDAI ENGINEERING CO. LTD.	85.8
7	SKANSKA AB	49.3
8	WOOD	40.0
9	OBAYASHI CORP.	40.0
10	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	35.9

Top International Design Firms

CORRECTIONAL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	AECOM	19.4
2	WSP GLOBAL INC.	13.4
3	EXP	7.7
4	NORR	6.3
5	STANTEC INC.	5.4

HEALTH CARE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	SIDARA	262.8
2	WSP GLOBAL INC.	230.7
3	STANTEC INC.	175.3
4	JACOBS SOLUTIONS INC.	108.0
5	AECOM	71.5
6	HDR	69.3
7	ARCADIS NV	65.9
8	RAMBOLL GROUP	61.2
9	TETRA TECH	60.0
10	COWI A/S	52.5
11	EGIS GROUP	43.9
12	EHAF CONSULTING ENGINEERS	43.7
13	EXP	39.8
14	MEINHARDT GROUP INTERNATIONAL	33.2
15	AFRY	31.0
16	AJI GROUP (ARABTECH JARDANEH)	22.1
17	MOTT MACDONALD	21.6
18	EMPRESARIOS AGRUPADOS INTERNACIONAL SA	21.1
19	ID&E HOLDINGS F/K/A NIPPON KOEI GROUP	19.5
20	IDOM	19.4
21	NORR	19.3
22	TPF SA	18.6
23	ATKINSRÉALIS	18.4
24	KHATIB & ALAMI	14.4
25	HKS	14.4

DISTRIBUTION & WAREHOUSES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	72.4
2	RAMBOLL GROUP	61.3
3	STANTEC INC.	42.6
4	ARCADIS NV	27.3
5	ROYAL HASKONINGDHV	17.9
6	ARTELIA	17.1
7	AECOM	12.3
8	MEINHARDT GROUP INTERNATIONAL	10.4
9	TPF SA	6.3
10	DORSCH GLOBAL GMBH	6.3

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Top International Contractors

SPORTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	642.6
2	LIMAK INSAAT SANAYI VE TICARET AS	312.0
3	CHINA RAILWAY CONSTRUCTION CORP. LTD.	166.0
4	CHINA NATIONAL MACHINERY INDUSTRY CORP.	139.4
5	LARSEN & TOUBRO LTD.	85.1
6	SUMMA TURIZM YATIRIMCILIGI AS	73.8
7	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	72.9
8	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	72.3
9	OBAYASHI CORP.	65.0
10	KAJIMA CORP.	60.4
11	BEIJING CONSTRUCTION ENGINEERING GROUP CO. LTD.	60.4
12	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	53.2
13	SKANSKA AB	39.6
14	BEIJING URBAN CONSTRUCTION GROUP CO. LTD.	25.3
15	SHANGHAI CONSTRUCTION GROUP CO. LTD.	17.0

ENTERTAINMENT & THEME PARKS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	URBACON TRADING AND CONTRACTING WLL	691.2
2	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	629.2
3	GRUPO ACS/HOCHTIEF	516.9
4	SKANSKA AB	138.0
5	KAJIMA CORP.	86.7
6	OBAYASHI CORP.	86.0
7	CHINA METALLURGICAL GROUP CORP.	81.2
8	T N WARD CO.	45.6
9	CONSOLIDATED CONTRACTORS GROUP	40.3
10	SEMBOL ULUSLARARASI YATIRIM TARIM PEYZAJ INSAAT	24.7

RELIGIOUS & CULTURAL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	229.3
2	SKANSKA AB	160.1
3	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	130.2
4	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	87.6
5	HASKELL	83.2
6	OBAYASHI CORP.	57.0
7	GRUPO ACS/HOCHTIEF	45.0
8	LIMAK INSAAT SANAYI VE TICARET AS	27.0
9	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	27.0
10	BEIJING CONSTRUCTION ENGINEERING GROUP CO. LTD.	10.5

R&D		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	530.1
2	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	46.3
3	HYUNDAI ENGINEERING CO. LTD.	38.9
4	HUNAN CONSTRUCTION ENGINEERING GROUP CO. LTD.	27.6
5	KAJIMA CORP.	17.9

Top International Design Firms

SPORTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	POPULOUS	189.0
2	SIDARA	68.2
3	WSP GLOBAL INC.	46.8
4	STANTEC INC.	25.8
5	ME ENGINEERS	23.0
6	MOTT MACDONALD	18.2
7	SURBANA JURONG PRIVATE LTD.	18.0
8	TECNICA Y PROYECTOS SA (TYPESA)	17.0
9	JENSEN HUGHES	15.0
10	ARTELIA	13.0
11	AECOM	11.6
12	IDOM	10.4
13	HKS	9.3
14	GENSLER	8.8
15	ID&E HOLDINGS F/K/A NIPPON KOEI GROUP	7.6

ENTERTAINMENT & THEME PARKS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	JACOBS SOLUTIONS INC.	46.0
2	SIDARA	39.9
3	AECOM	26.0
4	EXP	25.5
5	DEWAN ARCHITECTS + ENGINEERS	22.5
6	AFRY	20.0
7	GENSLER	17.7
8	MEINHARDT GROUP INTERNATIONAL	16.6
9	JENSEN HUGHES	15.9
10	MOTT MACDONALD	15.9

RELIGIOUS & CULTURAL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	SIDARA	87.3
2	AECOM	60.9
3	WSP GLOBAL INC.	47.2
4	ID&E HOLDINGS F/K/A NIPPON KOEI GROUP	19.4
5	AFRY	18.4
6	COWI A/S	17.2
7	STANTEC INC.	14.6
8	DAO BADRAN	12.2
9	MOTT MACDONALD	6.8
10	SURBANA JURONG PRIVATE LTD.	6.3

R&D		
RANK	FIRM	REVENUE (\$ MIL.**)
1	SIDARA	32.1
2	STANTEC INC.	28.2
3	EXP	19.1
4	GENSLER	13.0
5	DORSCH GLOBAL GMBH	11.7

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Top International Contractors

MIXED USE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	681.2
2	GRUPO ACS/HOCHTIEF	624.1
3	URBACON TRADING AND CONTRACTING WLL	604.0
4	OBAYASHI CORP.	276.0
5	CHINA RAILWAY GROUP LTD.	260.5
6	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	247.3
7	LIMAK INSAAT SANAYI VE TICARET AS	155.0
8	KAJIMA CORP.	142.3
9	CHINA GEO-ENGINEERING CORP.	99.4
10	XPCC CONSTRUCTION & ENGINEERING (GROUP) CO. LTD.	70.3
11	WOOD	47.1
12	SICHUAN ROAD AND BRIDGE (GROUP) CO. LTD.	44.4
13	YANJIAN GROUP CO. LTD.	37.6
14	CHINA NATIONAL AERO-TECHNOLOGY INT'L ENG'G CORP.	15.2
15	CONSOLIDATED CONTRACTORS GROUP	13.9

Top International Design Firms

MIXED USE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	AECOM	311.9
2	ARCADIS NV	228.9
3	STANTEC INC.	126.9
4	ATKINSRÉALIS	69.2
5	EGIS GROUP	68.5
6	SIDARA	67.5
7	SURBANA JURONG PRIVATE LTD.	58.6
8	MEINHARDT GROUP INTERNATIONAL	57.1
9	GENSLER	51.6
10	ARTELIA	46.2
11	KOHN PEDERSEN FOX	38.0
12	RAMBOLL GROUP	23.3
13	ECG ENGINEERING CONSULTANTS GROUP SA	16.7
14	AJI GROUP (ARABTECH JARDANEH)	16.4
15	KEO INTERNATIONAL CONSULTANTS	14.3

*BASED ON 2023 CONTRACTOR AND DESIGN FIRM REVENUE FROM GENERAL BUILDING AS REPORTED IN ENR'S SURVEYS OF LEADING CONTRACTORS AND DESIGN FIRMS IF AVAILABLE, OTHERWISE THE SUM OF SUBMARKET TOTALS.

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GLOBAL REVIEW+

TRANSPORTATION

Connecting the Baltic Region With Rail

More than 300 firms from multiple European nations are involved



RAIL UNION
Rail Baltica is an 870-km network connecting Baltic Sea nations to Europe's existing network.

Rail Baltica, a multinational effort to integrate Baltic Sea nations into Europe's rail network, is showing progress at various locations along its 870-km route. Jointly funded by individual countries and the European Union, the electrified double-track railway will accommodate train speeds of 249 kph, says the Rail Baltica website.

Since design began in 2016, some 300 companies based in Baltic nations and in those in the EU have been engaged for the project. In Lithuania, which will contain nearly half of the Rail Baltica mainline, multiple contractors are work-

ing on new track and structures, including a 1.51-km, 40-m-high bridge over the Neris River built by Italian contractor Rizzani de Eccher. LTG Infra, the state-owned firm overseeing Lithuania's implementation of Rail Baltica, plans in 2025 to complete another 114 km.

Earlier this year, ERB Rail joint venture, composed of Budimex S.A. (Poland), Eiffage Génie Civil SAS (France) and Rizzani de Eccher S.p.A (Italy), broke ground for Latvia's 220-km section. The \$3.9-billion effort includes 175 structures and 11 wildlife crossings, with initial work taking place in the Bauska

region, where a maintenance center will be located. An estimated \$595 million multi-year modernization and expansion program is in progress for the historic Central Station in the capital of Riga

Estonia shortlisted five consortia for design and construction of its 213-km mainline section. The country plans to award two contracts totaling nearly \$1 billion in the first half of 2025. Having fallen at least five years behind its original schedule due to routing disputes and funding concerns, Rail Baltica aims for full operation in 2030. ■

By Jim Parsons

9,944

Number of deep-draft transits through the Panama Canal in fiscal 2024

Source: Panama Canal Authority

Top International Contractors

TRANSPORTATION		
RANK	FIRM	REVENUE (\$ MIL.)*
1	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	17,927.6
2	VINCI	16,929.0
3	GRUPO ACS/HOCHTIEF	16,187.2
4	BOUYGUES	13,073.0
5	STRABAG SE	9,320.7
6	CHINA RAILWAY CONSTRUCTION CORP. LTD.	7,237.0
7	FERROVIAL	6,472.7
8	CHINA RAILWAY GROUP LTD.	4,097.2
9	SKANSKA AB	4,046.9
10	MOTA-ENGIL	3,515.0
11	WEBUILD SPA	3,451.7
12	ACCIONA	3,277.2
13	SACYR	3,195.7
14	POWER CONSTRUCTION CORP. OF CHINA	2,697.5
15	PORR AG	2,524.9
16	EIFFAGE	2,240.0
17	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	2,023.1
18	OHLA	1,857.1
19	FCC SA	1,768.7
20	BECHTEL	1,559.0
21	ROYAL BOSKALIS BV	1,531.0
22	SAMSUNG C&T CORP.	1,266.0
23	DAEWOO ENGINEERING AND CONSTRUCTION	1,059.7
24	LIMAK INSAAT SANAYI VE TICARET AS	1,041.0
25	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	1,039.0
26	ITINERA SPA	1,036.8
27	ORASCOM CONSTRUCTION PLC	813.0
28	YAPI MERKEZI INSAAT VE SANAYI AS	715.4
29	GHELLA SPA	685.0
30	GS ENGINEERING & CONSTRUCTION	678.2
31	OBAYASHI CORP.	646.0
32	CENGIZ CONSTRUCTION INDUSTRY & TRADE CO. INC.	613.2
33	GULERMAK	589.8
34	TAV CONSTRUCTION	506.4
35	SHANDONG HI-SPEED GROUP CO. LTD.	493.4
36	RENAISSANCE CONSTRUCTION	491.9
37	KIEWIT CORP.	472.8
38	ZHONGMEI ENGINEERING GROUP LTD.	468.3
39	PENTA-OCEAN CONSTRUCTION CO. LTD.	461.6
40	CHINA NATIONAL AERO-TECHNOLOGY INT'L ENG'G CORP.	410.0
41	CHINA HENAN INT'L COOPERATION GROUP CO. LTD.	377.7
42	FLUOR	373.7
43	PCL CONSTRUCTION	373.0
44	JAN DE NUL GROUP (SOFIDRA SA)	345.0
45	AFCONS INFRASTRUCTURE LTD.	342.6
46	SHANGHAI URBAN CONSTRUCTION (GROUP) CO. LTD	325.3
47	BEIJING URBAN CONSTRUCTION GROUP CO. LTD.	306.1
48	CONSOLIDATED CONTRACTORS GROUP	305.1
49	BAYBURT GROUP	297.2
50	KOLIN INSAAT TURIZM SANAYI VE TICARET AS	294.1

Top International Design Firms

TRANSPORTATION		
RANK	FIRM	REVENUE (\$ MIL.)*
1	WSP GLOBAL INC.	3,343.9
2	AECOM	1,807.8
3	ATKINSRÉALIS	1,501.3
4	JACOBS SOLUTIONS INC.	1,195.9
5	ARCADIS NV	1,178.9
6	SYSTRA	947.0
7	EGIS GROUP	890.9
8	MOTT MACDONALD	795.1
9	STANTEC INC.	734.2
10	SIDARA	697.1
11	SWECO AB	486.0
12	RAMBOLL GROUP	407.7
13	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	384.1
14	COWI A/S	357.1
15	HATCH LTD.	337.0
16	SURBANA JURONG PRIVATE LTD.	304.1
17	SENER GRUPO DE INGENIERÍA SA	245.8
18	AFRY	245.0
19	HDR	216.8
20	EXP	206.8
21	TETRA TECH	205.0
22	PARSONS CORP.	204.1
23	ORIENTAL CONSULTANTS GLOBAL (OCHD)	193.0
24	AYESA	191.0
25	ROYAL HASKONINGDHV	184.0
26	TECNICA Y PROYECTOS SA (TYPSA)	175.8
27	TPF SA	146.0
28	GHD	136.3
29	WORLEY LTD.	134.6
30	AURECON	127.0
31	CHINA RAILWAY CONSTRUCTION CORP. LTD.	124.0
32	ID&E HOLDINGS F/K/A NIPPON KOEI GROUP	118.5
33	ARUP US INC.	118.3
34	SETEC	107.2
35	MEINHARDT GROUP INTERNATIONAL	102.0
36	CTI ENGINEERING GROUP	101.0
37	JSTI GROUP	100.8
38	KHATIB & ALAMI	97.8
39	CHINA RAILWAY DESIGN CORP.	89.2
40	ARTELIA	84.4
41	IDOM	71.6
42	DORSCH GLOBAL GMBH	70.1
43	ITALCONSULT SPA	63.3
44	INGEROP	62.0
45	GANNETT FLEMING	61.8
46	MORRISON HERSHFIELD	61.2
47	PINI GROUP	60.0
48	ILF CONSULTING ENGINEERS	55.8
49	KIEWIT CORP.	54.1
50	MOFFATT & NICHOL	50.2

*BASED ON 2023 CONTRACTOR AND DESIGN FIRM REVENUE FROM TRANSPORTATION AS REPORTED IN ENR'S SURVEYS OF LEADING CONTRACTORS AND DESIGN FIRMS IF AVAILABLE, OTHERWISE THE SUM OF SUBMARKET TOTALS.
 **BASED ON SUPPLEMENTAL MARKET REVENUE DATA FROM 2023 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK SURVEYS. SEE ENR.COM FOR COMPLETE LISTINGS.

Top International Contractors

HIGHWAYS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	8,922.5
2	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	5,596.9
3	CHINA RAILWAY CONSTRUCTION CORP. LTD.	3,242.0
4	SACYR	2,349.6
5	WEBUILD SPA	1,691.2
6	CHINA RAILWAY GROUP LTD.	1,354.0
7	SKANSKA AB	1,202.4
8	POWER CONSTRUCTION CORP. OF CHINA	1,034.9
9	OHLA	638.1
10	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	586.6
11	CENGIZ CONSTRUCTION INDUSTRY & TRADE CO. INC.	519.5
12	SHANDONG HI-SPEED GROUP CO. LTD.	413.5
13	ZHONGMEI ENGINEERING GROUP LTD.	353.3
14	CHINA HENAN INT'L COOPERATION GROUP CO. LTD.	350.6
15	POLAT YOL YAPI SAN. VE TIC. AS	290.4
16	GS ENGINEERING & CONSTRUCTION	281.4
17	LIMAK INSAAT SANAYI VE TICARET AS	280.0
18	ALARKO CONTRACTING GROUP	252.4
19	HUNAN ROAD & BRIDGE CONSTR. GROUP	242.6
20	CGCOC GROUP CO. LTD.	237.6
21	KOLIN INSAAT TURIZM SANAYI VE TICARET AS	237.1
22	GULERMAK	226.4
23	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	211.4
24	ONUR TAAHHUT TASIMACILIK INSAAT TIC. VE SANAYI AS	208.9
25	ENKA INSAAT VE SANAYI AS	205.3

MARINE AND PORT FACILITIES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	4,244.8
2	POWER CONSTRUCTION CORP. OF CHINA	980.1
3	PENTA-OCEAN CONSTRUCTION CO. LTD.	364.1
4	CHINA RAILWAY CONSTRUCTION CORP. LTD.	241.0
5	PER AARSLEFF HOLDING A/S	229.3
6	GRUPO ACS/HOCHTIEF	180.5
7	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	156.4
8	NATIONAL MARINE DREDGING COMPANY (NMDC)	137.0
9	YANJIAN GROUP CO. LTD.	135.2
10	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	130.4
11	SKANSKA AB	130.3
12	KAJIMA CORP.	126.5
13	AECON GROUP INC.	115.7
14	AFCONS INFRASTRUCTURE LTD.	109.5
15	STFA CONSTRUCTION GROUP	79.9
16	CHINA RAILWAY GROUP LTD.	71.7
17	KIEWIT CORP.	70.4
18	ILK CONSTRUCTION	66.3
19	BAUER AG	50.5
20	ENKA INSAAT VE SANAYI AS	48.6
21	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	40.9
22	ORION GROUP HOLDINGS	36.1
23	OBAYASHI CORP.	36.0
24	CHINA ENERGY ENGINEERING CORP. LTD.	23.3
25	ITD CEMENTATION INDIA LTD.	20.8

Top International Design Firms

HIGHWAYS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	1,417.3
2	AECOM	713.4
3	ATKINSREALIS	666.8
4	ARCADIS NV	528.5
5	EGIS GROUP	463.8
6	JACOBS SOLUTIONS INC.	406.4
7	STANTEC INC.	380.2
8	SURBANA JURONG PRIVATE LTD.	242.4
9	SIDARA	174.4
10	RAMBOLL GROUP	154.7
11	MOTT MACDONALD	149.8
12	AFRY	121.6
13	TETRA TECH	100.0
14	PARSONS CORP.	93.8
15	CTI ENGINEERING GROUP	89.3
16	EXP	83.8
17	HATCH LTD.	67.0
18	TPF SA	57.3
19	COWI A/S	54.7
20	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	47.6
21	TECNICA Y PROYECTOS SA (TYPSA)	38.5
22	SETEC	34.5
23	DORSCH GLOBAL GMBH	33.6
24	KHATIB & ALAMI	32.8
25	MORRISON HERSHFIELD	30.0

MARINE AND PORT FACILITIES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	211.4
2	ROYAL HASKONINGDHV	100.5
3	JACOBS SOLUTIONS INC.	70.2
4	SIDARA	60.0
5	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	56.8
6	STANTEC INC.	55.3
7	MOFFATT & NICHOL	50.2
8	AECOM	43.4
9	MOTT MACDONALD	42.2
10	RAMBOLL GROUP	36.0
11	TETRA TECH	35.0
12	HATCH LTD.	34.0
13	COWI A/S	27.7
14	ARTELIA	27.4
15	WORLEY LTD.	23.9
16	EGIS GROUP	22.0
17	ATKINSREALIS	20.5
18	ARCADIS NV	19.2
19	KHATIB & ALAMI	18.7
20	TECHNITAL SPA	13.8
21	ORIENTAL CONSULTANTS GLOBAL (OCHD)	13.4
22	PRDW GROUP	11.9
23	TRACTEBEL ENGINEERING	9.8
24	ID&E HOLDINGS F/K/A NIPPON KOEI GROUP	8.7
25	AVESA	6.9

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Top International Contractors

AIRPORTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	2,011.0
2	LIMAK INSAAT SANAYI VE TICARET AS	716.0
3	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	542.8
4	SKANSKA AB	426.0
5	CHINA NATIONAL AERO-TECHNOLOGY INT'L ENG'G CORP.	402.3
6	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	336.8
7	SACYR	263.5
8	POWER CONSTRUCTION CORP. OF CHINA	227.2
9	BEIJING URBAN CONSTRUCTION GROUP CO. LTD.	209.7
10	YUNNAN CONST. AND INVEST. HOLDING GRP. CO. LTD.	177.0
11	TAISEI CORP.	119.0
12	KAJIMA CORP.	118.1
13	CHINA RAILWAY CONSTRUCTION CORP. LTD.	78.0
14	OBAYASHI CORP.	67.0
15	IC ICTAS INSAAT SANAYI VE TICARET AS	64.6
16	CHINA RAILWAY GROUP LTD.	49.0
17	CHINA NATIONAL MACHINERY INDUSTRY CORP.	39.4
18	ECC	32.8
19	SUMMA TURIZM YATIRIMCILIGI AS	30.7
20	MOHAMMED ABDULMOHSIN AL-KHARAFI & SONS	30.0
21	CONSOLIDATED CONTRACTORS GROUP	24.2
22	WEIHAI INTERNATIONAL ECONOMIC & TECHNICAL COOPERATIVE CO. LTD.	23.9
23	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	23.2
24	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	21.2
25	SSANGYONG ENGINEERING & CONSTRUCTION CO. LTD.	16.1

MASS TRANSIT AND RAIL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	7,107.8
2	GRUPO ACS/HOCHTIEF	4,286.7
3	CHINA RAILWAY CONSTRUCTION CORP. LTD.	2,727.0
4	CHINA RAILWAY GROUP LTD.	2,470.3
5	WEBUILD SPA	1,621.1
6	SKANSKA AB	1,385.0
7	OHLA	840.0
8	YAPI MERKEZI INSAAT VE SANAYI AS	715.4
9	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	604.8
10	SACYR	566.0
11	GHELLA SPA	541.6
12	POWER CONSTRUCTION CORP. OF CHINA	429.2
13	GULERMAK	363.4
14	GS ENGINEERING & CONSTRUCTION	330.4
15	SHANGHAI URBAN CONSTRUCTION (GROUP) CO. LTD	325.3
16	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	319.9
17	KIEWIT CORP.	302.1
18	RAILWORKS	239.7
19	OBAYASHI CORP.	209.0
20	POSCO ECO & CHALLENGE	182.8
21	SHIMIZU CORP.	180.9
22	SUMITOMO MITSUI CONSTRUCTION CO. LTD.	169.2
23	DUYGU TAHHÜT VE İNŞAAT A.Ş.	150.0
24	TAISEI CORP.	148.0
25	HYUNDAI ENGINEERING CO. LTD.	135.1

Top International Design Firms

AIRPORTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	235.0
2	SIDARA	196.2
3	ATKINSRÉALIS	172.2
4	AECOM	141.9
5	WSP GLOBAL INC.	136.9
6	MOTT MACDONALD	70.7
7	STANTEC INC.	60.7
8	EGIS GROUP	53.0
9	JACOBS SOLUTIONS INC.	51.9
10	MEINHARDT GROUP INTERNATIONAL	45.9
11	ROYAL HASKONINGDHV	33.7
12	KOHN PEDERSEN FOX	28.9
13	EXP	23.3
14	ARCADIS NV	18.6
15	TECNICA Y PROYECTOS SA (TYPESA)	14.6
16	AFRY	14.4
17	COWI A/S	12.7
18	RAMBOLL GROUP	10.7
19	TETRA TECH	10.0
20	KHATIB & ALAMI	9.9
21	ID&E HOLDINGS F/K/A NIPPON KOEI GROUP	9.8
22	ARUP US INC.	9.0
23	GHAFAARI ASSOCIATES LLC	7.8
24	ORIENTAL CONSULTANTS GLOBAL (OCHD)	6.6
25	DORSCH GLOBAL GMBH	5.8

MASS TRANSIT AND RAIL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	1,200.2
2	SYSTRA	842.0
3	AECOM	823.2
4	ATKINSRÉALIS	624.5
5	ARCADIS NV	610.2
6	JACOBS SOLUTIONS INC.	568.7
7	MOTT MACDONALD	487.7
8	EGIS GROUP	325.7
9	HATCH LTD.	236.0
10	SENER GRUPO DE INGENIERÍA SA	207.6
11	COWI A/S	195.8
12	HDR	182.9
13	RAMBOLL GROUP	144.5
14	STANTEC INC.	135.1
15	SIDARA	129.7
16	ORIENTAL CONSULTANTS GLOBAL (OCHD)	128.2
17	CHINA RAILWAY CONSTRUCTION CORP. LTD.	118.0
18	TECNICA Y PROYECTOS SA (TYPESA)	103.7
19	ARUP US INC.	99.9
20	PARSONS CORP.	98.4
21	CHINA RAILWAY DESIGN CORP.	88.0
22	TPF SA	81.0
23	ID&E HOLDINGS F/K/A NIPPON KOEI GROUP	75.0
24	AFRY	64.6
25	SETEC	60.4

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Top International Contractors

BRIDGES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	786.5
2	CHINA RAILWAY CONSTRUCTION CORP. LTD.	738.0
3	SKANSKA AB	702.6
4	FLUOR	346.0
5	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	322.3
6	OBAYASHI CORP.	224.0
7	OHLA	144.8
8	WEBUILD SPA	138.5
9	BAUER AG	131.3
10	CHINA RAILWAY GROUP LTD.	127.9
11	ZHONGMEI ENGINEERING GROUP LTD.	115.0
12	AFCONS INFRASTRUCTURE LTD.	98.8
13	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	98.6
14	NATA INSAAT TURZ. TASIMACILIK TIC. VE SAN. AS	90.0
15	CONSOLIDATED CONTRACTORS GROUP	66.5
16	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	63.3
17	LONG JIAN ROAD & BRIDGE CO. LTD.	56.4
18	DL E&C CO. LTD.	52.8
19	LIMAK INSAAT SANAYI VE TICARET AS	45.0
20	CHINA GEO-ENGINEERING CORP.	41.6
21	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	35.6
22	CHINA WU YI CO. LTD.	34.9
23	KIEWIT CORP.	28.2
24	SUMITOMO MITSUI CONSTRUCTION CO. LTD.	23.9
25	GS ENGINEERING & CONSTRUCTION	23.7

Top International Design Firms

BRIDGES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	377.9
2	SIDARA	136.8
3	SYSTRA	105.0
4	STANTEC INC.	102.9
5	JACOBS SOLUTIONS INC.	98.8
6	AECOM	85.6
7	COWI A/S	66.3
8	EXP	64.5
9	SURBANA JURONG PRIVATE LTD.	57.1
10	MOTT MACDONALD	44.7
11	RAMBOLL GROUP	31.9
12	TETRA TECH	30.0
13	EGIS GROUP	26.4
14	KHATIB & ALAMI	25.8
15	PEOPLE DREAMS & TECHNOLOGIES GROUP CO. LTD.	22.5
16	MORRISON HERSHFIELD	19.7
17	AFRY	18.6
18	ATKINSRÉALIS	17.3
19	ORIENTAL CONSULTANTS GLOBAL (OCHD)	15.6
20	TECNICA Y PROYECTOS SA (TYPASA)	15.2
21	DORSCH GLOBAL GMBH	13.1
22	PARSONS CORP.	11.4
23	HDR	9.6
24	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	8.5
25	ARUP US INC.	7.9

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GLOBAL REVIEW+
POWER

Poland Pushes Back Nuclear Power Start

Three-year delay to 2036 now is set for Bechtel-Westinghouse plant to operate

The first commercial nuclear power plant in Poland now is set for commercial operation in 2036, with the first concrete to be poured in 2028, a national energy agency official disclosed Dec. 11. This delays the previously announced timeframe by three years for the three-unit, 3,750-MW plant to be built north of Gdansk near the country's Baltic Sea coast.

State-owned development firm Polskie Elektrownie Jadrowe (PEJ) signed an 18-month engineering services contract in September 2023, with Westinghouse Electric and Bechtel to develop the plant that includes three AP1000 reactors (see rendering). Polish energy infrastructure official Wojciech Wrochna said its second and third units will operate in 2037 and 2038. Project delays are related to selecting a technology vendor, changes to nuclear law and permitting and finance issues, sector experts told industry publication *NucNet*.

Bechtel, which opened an office in Poland, has conducted surveys covering 30 hectares at the site related to geological and hydrogeological conditions to inform design of the three plant reactors, inflow basin and cooling water channels. Bechtel now is engaging Polish sup-



ply chain contractors, according to the owner, with several subcontracts already signed.

The government will provide equity to cover 30% of the estimated \$37-billion total plant cost, with the rest to come from outside financing. The U.S. International Development Finance Corp. said it will provide more than \$980 million, with the U.S. Export-Import Bank also likely to add more. Commitments from Canada and France also have been announced, and the European Commission is set to approve funding.

The updated PEJ nuclear energy

program also includes a second plant in a still undetermined location, with construction of its first reactor to start in 2032. Wrochna said the government expects to select a development team in late 2026 in a competitive bid. Talks with potential bidders are set to start early next year, with contenders said to include Westinghouse, France-based EDF and South Korea's Korea Hydro & Nuclear Power.

More than 92% of Poles support construction of nuclear power plants, according to a recent government-commissioned survey. ■

By Debra K. Rubin

10MW

Capacity of proton exchange membrane electrolyzer pilot plant set to be installed on a turbine foundation at Germany's Alpha Ventus offshore wind site in the North Sea to test the feasibility and efficiency of direct production of green hydrogen at sea

Source: Project firm NorthH2

First Net-Zero Gas Power Plant Is Set in UK

A consortium of Technip Energies, GE Vernova, contractor Balfour Beatty Group and Shell Catalysts & Technologies said Dec. 11 that it received notice to proceed from owner NZT Power Ltd., a venture of TotalEnergies, bp and Equinor, to execute a "large award" of undisclosed value to build the Net Zero Teesside Power project in northeast England—described as the world's first gas-fired power station with carbon capture and storage (see rendering). NZT Power reached financial close on the project, set to produce up to 742 MW of low-carbon power. The U.K. government has pledged more than \$27 billion for projects to capture and store carbon emissions from energy and industry. Plant construction could create more than 3,000 jobs. "Net Zero Teesside is a transformational project, underpinning the U.K. transition to cleaner and greener energy consumption," said Balfour Beatty CEO Leo Quinn. U.K.-based engineer Wood and Italy-based contractor Saipem also announced project awards. —Debra K. Rubin



Top International Contractors

POWER		
RANK	FIRM	REVENUE (\$ MIL.)*
1	VINCI	9,101.0
2	POWER CONSTRUCTION CORP. OF CHINA	6,605.5
3	CHINA ENERGY ENGINEERING CORP. LTD.	4,896.7
4	LARSEN & TOUBRO LTD.	2,994.0
5	BOUYGUES	2,338.0
6	EIFFFAGE	1,990.0
7	GRUPO ACS/HOCHTIEF	1,984.2
8	SAMSUNG C&T CORP.	1,621.0
9	TBEA CO. LTD.	1,338.9
10	URBACON TRADING AND CONTRACTING WLL	1,275.4
11	CHINA NATIONAL MACHINERY INDUSTRY CORP.	1,213.3
12	ROYAL BOSKALIS BV	1,112.0
13	CHINA ELECTRIC POWER EQUIPMENT AND TECH. CO. LTD.	1,036.5
14	DONGFANG ELECTRIC CORP.	940.1
15	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	898.3
16	THE ARAB CONTRACTORS (OSMAN AHMED OSMAN & CO.)	562.7
17	FERROVIAL	561.5
18	SAIPEM SPA	545.0
19	CALIK ENERJI SANAYI VE TICARET AS	536.0
20	HARBIN ELECTRIC INTERNATIONAL CO. LTD.	527.5
21	ACCIONA	504.2
22	SHANGHAI ELECTRIC GROUP CO. LTD.	492.3
23	ENKA INSAAT VE SANAYI AS	475.5
24	NORINCO INTERNATIONAL COOPERATION LTD.	467.9
25	PCL CONSTRUCTION	413.9
26	POSCO ECO & CHALLENGE	413.3
27	ATKINSRÉALIS	396.4
28	STRABAG SE	353.9
29	XIAN ELECTRIC ENGINEERING CO. LTD.	285.8
30	CHINA GENERAL TECHNOLOGY (GROUP) HOLDING CO. LTD.	275.1
31	BLACK & VEATCH	262.7
32	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	248.7
33	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	247.0
34	KIEWIT CORP.	235.2
35	WOOD	231.9
36	BAUER AG	230.0
37	CHINA RAILWAY CONSTRUCTION CORP. LTD.	230.0
38	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	229.0
39	HYUNDAI ENGINEERING CO. LTD.	217.9
40	MOTA-ENGIL	209.0
41	TATA PROJECTS LTD.	195.2
42	YENIGUN INSAAT SANAYI VE TICARET AS	185.1
43	SHAPOORJI PALLONJI & CO. PRIVATE LTD.	165.0
44	BURNS & MCDONNELL	159.2
45	SKANSKA AB	150.0
46	SHANDONG ELECTRIC POWER ENG'G CONSULTING	144.2
47	WORLEY LTD.	137.9
48	LIMAK INSAAT SANAYI VE TICARET AS	135.0
49	BARTON MALOW HOLDINGS LLC	108.7
50	CHINA NUCLEAR ENGINEERING CORP. LTD.	107.9

Top International Design Firms

POWER		
RANK	FIRM	REVENUE (\$ MIL.)*
1	POWER CONSTRUCTION CORP. OF CHINA	1,563.1
2	CHINA ENERGY ENGINEERING CORP. LTD.	1,257.8
3	JACOBS SOLUTIONS INC.	748.1
4	WSP GLOBAL INC.	715.7
5	WORLEY LTD.	708.5
6	ATKINSRÉALIS	446.5
7	AFRY	350.0
8	STANTEC INC.	336.4
9	TRACTEBEL ENGINEERING	310.8
10	ARCADIS NV	282.3
11	TETRA TECH	257.0
12	ASSYSTEM	188.0
13	WOOD	178.8
14	MOTT MACDONALD	167.5
15	SWECO AB	152.0
16	FICHTNER GROUP	146.4
17	HATCH LTD.	136.0
18	BLACK & VEATCH	135.9
19	SARGENT & LUNDY	124.3
20	AECOM	107.1
21	SURBANA JURONG PRIVATE LTD.	106.9
22	COWI A/S	106.7
23	RAMBOLL GROUP	106.2
24	ILF CONSULTING ENGINEERS	94.3
25	ARTELIA	64.5
26	EMPRESARIOS AGRUPADOS INTERNACIONAL SA	54.8
27	CHINA NATIONAL MACHINERY INDUSTRY CORP.	52.6
28	KEPCO ENGINEERING & CONSTRUCTION CO. INC.	49.7
29	IDOM	48.6
30	BURNS & MCDONNELL	47.5
31	SIDARA	46.9
32	EGIS GROUP	44.9
33	KHATIB & ALAMI	39.8
34	EXP	39.5
35	KIEWIT CORP.	39.4
36	CISPDR CORPORATION	38.9
37	CHINA TRIUMPH INTERNATIONAL ENGINEERING CO. LTD.	35.9
38	TECNICA Y PROYECTOS SA (TYPESA)	33.1
39	ENERGOPROJEKT HOLDING PLC	30.2
40	POWER ENGINEERS INC.	30.1
41	BILFINGER ENGINEERING	27.3
42	LOMBARDI GROUP	27.0
43	ID&E HOLDINGS F/K/A NIPPON KOEI GROUP	26.1
44	SENER GRUPO DE INGENIERÍA SA	26.1
45	DOHWA ENGINEERING CO. LTD.	23.9
46	ROYAL HASKONINGDHV	21.3
47	BECHTEL	21.0
48	RINA CONSULTING SPA	20.9
49	ITALCONSULT SPA	15.8
50	GHD	14.7

*BASED ON 2023 CONTRACTOR AND DESIGN FIRM REVENUE FROM POWER AS REPORTED IN ENR'S SURVEYS OF LEADING CONTRACTORS AND DESIGN FIRMS IF AVAILABLE, OTHERWISE THE SUM OF SUBMARKET TOTALS.

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Top International Contractors

FOSSIL FUEL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	POWER CONSTRUCTION CORP. OF CHINA	2,392.9
2	CHINA ENERGY ENGINEERING CORP. LTD.	1,372.9
3	URBACON TRADING AND CONTRACTING WLL	1,275.4
4	CALIK ENERJI SANAYI VE TICARET AS	481.0
5	HARBIN ELECTRIC INTERNATIONAL CO. LTD.	459.2
6	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	434.0
7	POSCO ECO & CHALLENGE	413.2
8	DONGFANG ELECTRIC CORP.	358.8
9	NORINCO INTERNATIONAL COOPERATION LTD.	356.4
10	ENKA INSAAT VE SANAYI AS	232.7
11	BLACK & VEATCH	213.7
12	CHINA NATIONAL MACHINERY INDUSTRY CORP.	212.6
13	SHANGHAI ELECTRIC GROUP CO. LTD.	207.0
14	HYUNDAI ENGINEERING CO. LTD.	202.7
15	GRUPO ACS/HOCHTIEF	89.6
16	BURNS & MCDONNELL	82.0
17	LIMAK INSAAT SANAYI VE TICARET AS	75.0
18	CHINA GENERAL TECHNOLOGY (GROUP) HOLDING CO. LTD.	63.8
19	CTCI CORP.	61.5
20	CHINA METALLURGICAL GROUP CORP.	58.5
21	MAIRE SPA	52.8
22	KIEWIT CORP.	46.0
23	SENER GRUPO DE INGENIERÍA SA	41.1
24	SAIPEM SPA	31.0
25	DL E&C CO. LTD.	29.0

HYDRO PLANTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA ENERGY ENGINEERING CORP. LTD.	1,740.1
2	POWER CONSTRUCTION CORP. OF CHINA	802.0
3	THE ARAB CONTRACTORS (OSMAN AHMED OSMAN & CO.)	562.7
4	GRUPO ACS/HOCHTIEF	490.4
5	CHINA NATIONAL MACHINERY INDUSTRY CORP.	347.2
6	KIEWIT CORP.	147.8
7	DONGFANG ELECTRIC CORP.	146.5
8	BAUER AG	69.0
9	HARBIN ELECTRIC INTERNATIONAL CO. LTD.	33.7
10	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	33.1
11	NORINCO INTERNATIONAL COOPERATION LTD.	27.8
12	SHIMIZU CORP.	26.5
13	SKANSKA AB	18.9
14	CHINA GENERAL TECHNOLOGY (GROUP) HOLDING CO. LTD.	14.3
15	MICHEL'S CORP.	11.9
16	HYUNDAI ENGINEERING CO. LTD.	11.2
17	CHINA NATIONAL AERO-TECHNOLOGY INT'L ENG'G CORP.	7.9
18	YANJIAN GROUP CO. LTD.	5.4
19	CHINA GANSU INT'L ECON. AND TECH. COOP. CO. LTD.	5.0
20	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	4.4

Top International Design Firms

FOSSIL FUEL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	POWER CONSTRUCTION CORP. OF CHINA	209.9
2	WSP GLOBAL INC.	157.9
3	BLACK & VEATCH	54.9
4	CHINA ENERGY ENGINEERING CORP. LTD.	48.7
5	ATKINSRÉALIS	45.4
6	WOOD	37.6
7	AFRY	33.7
8	MOTT MACDONALD	27.0
9	FICHTNER GROUP	25.5
10	WORLEY LTD.	24.8
11	SENER GRUPO DE INGENIERÍA SA	23.0
12	BURNS & MCDONNELL	22.9
13	EMPRESARIOS AGRUPADOS INTERNACIONAL SA	21.1
14	TRACTEBEL ENGINEERING	20.8
15	IDOM	16.4
16	SARGENT & LUNDY	16.2
17	KIEWIT CORP.	15.5
18	STANTEC INC.	14.0
19	KHATIB & ALAMI	13.4
20	MAIRE SPA	8.7
21	CHINA NATIONAL MACHINERY INDUSTRY CORP.	8.5
22	ARTELIA	6.8
23	POWER ENGINEERS INC.	6.7
24	EXP	5.0
25	ID&E HOLDINGS F/K/A NIPPON KOEI GROUP	3.8

HYDRO PLANTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	POWER CONSTRUCTION CORP. OF CHINA	180.7
2	TRACTEBEL ENGINEERING	112.2
3	STANTEC INC.	96.5
4	TETRA TECH	95.0
5	SURBANA JURONG PRIVATE LTD.	80.0
6	HATCH LTD.	75.0
7	AFRY	60.3
8	WSP GLOBAL INC.	29.5
9	MOTT MACDONALD	29.3
10	ARTELIA	19.9
11	CISPDR CORPORATION	19.8
12	KIEWIT CORP.	19.3
13	ID&E HOLDINGS F/K/A NIPPON KOEI GROUP	17.9
14	CHINA NATIONAL MACHINERY INDUSTRY CORP.	13.9
15	FICHTNER GROUP	12.2
16	ILF CONSULTING ENGINEERS	6.8
17	ATKINSRÉALIS	6.0
18	DOLSAR ENGINEERING	5.5
19	COWI A/S	4.5
20	IDOM	3.6

*BASED ON 2023 CONTRACTOR AND DESIGN FIRM REVENUE FROM POWER AS REPORTED IN ENR'S SURVEYS OF LEADING CONTRACTORS AND DESIGN FIRMS IF AVAILABLE, OTHERWISE THE SUM OF SUBMARKET TOTALS.
**BASED ON SUPPLEMENTAL MARKET REVENUE DATA FROM 2023 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK SURVEYS. SEE ENR.COM FOR COMPLETE LISTINGS.

Top International Contractors

NUCLEAR PLANTS		
RANK	FIRM	REVENUE (\$ MIL.)*
1	AECON GROUP INC.	85.6
2	CHINA NUCLEAR ENGINEERING CORP. LTD.	61.3
3	UNITED ENGINEERS & CONSTRUCTORS INC.	55.3
4	DAY & ZIMMERMANN	28.8
5	CHINA ENERGY ENGINEERING CORP. LTD.	28.3
6	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	24.2
7	BAUER AG	23.0
8	ENKA INSAAT VE SANAYI AS	21.9
9	GRUPO ACS/HOCHTIEF	4.3
10	HYUNDAI ENGINEERING CO. LTD.	4.0

COGENERATION		
RANK	FIRM	REVENUE (\$ MIL.)*
1	WORLEY LTD.	104.3
2	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	73.1
3	BLACK & VEATCH	48.8
4	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	43.6
5	CHINA NATIONAL MACHINERY INDUSTRY CORP.	38.7
6	CHINA ENERGY ENGINEERING CORP. LTD.	33.6
7	WEBUILD SPA	31.1
8	SENER GRUPO DE INGENIERÍA SA	20.7
9	SINOMA INTERNATIONAL ENGINEERING CO. LTD.	19.1
10	SHANDONG HI-SPEED GROUP CO. LTD.	8.5

OPERATIONS & MAINTENANCE		
RANK	FIRM	REVENUE (\$ MIL.)*
1	WOOD	147.1
2	GRUPO ACS/HOCHTIEF	134.2
3	POWER CONSTRUCTION CORP. OF CHINA	84.4
4	CHINA ENERGY ENGINEERING CORP. LTD.	53.2
5	CHINA NATIONAL MACHINERY INDUSTRY CORP.	43.9
6	HARBIN ELECTRIC INTERNATIONAL CO. LTD.	30.4
7	SACYR	19.4
8	CALIK ENERJI SANAYI VE TICARET AS	11.0
9	JINGOLI - DCO	9.0
10	SINOMA INTERNATIONAL ENGINEERING CO. LTD.	8.2

WIND GENERATION		
RANK	FIRM	REVENUE (\$ MIL.)*
1	SAIPEM SPA	514.0
2	POWER CONSTRUCTION CORP. OF CHINA	290.0
3	CHINA ENERGY ENGINEERING CORP. LTD.	285.8
4	ENKA INSAAT VE SANAYI AS	220.8
5	GRUPO ACS/HOCHTIEF	179.4
6	NORINCO INTERNATIONAL COOPERATION LTD.	76.1
7	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	68.7
8	KAJIMA CORP.	40.9
9	PER AARSLEFF HOLDING A/S	28.1
10	MASTEC INC.	22.6
	JIANGSU PROVINCIAL CONSTRUCTION GROUP CO. LTD.	22.6

*TIE FOR 10TH

Top International Design Firms

NUCLEAR PLANTS		
RANK	FIRM	REVENUE (\$ MIL.)*
1	JACOBS SOLUTIONS INC.	526.2
2	ATKINSRÉALIS	309.1
3	ASSYSTEM	169.8
4	SARGENT & LUNDY	96.1
5	TRACTEBEL ENGINEERING	78.0
6	WSP GLOBAL INC.	57.4
7	WORLEY LTD.	51.5
8	KEPCO ENGINEERING & CONSTRUCTION CO. INC.	49.6
9	EGIS GROUP	44.9
10	HATCH LTD.	41.0

COGENERATION		
RANK	FIRM	REVENUE (\$ MIL.)*
1	WORLEY LTD.	443.7
2	AFRY	60.4
3	WOOD	54.2
4	WSP GLOBAL INC.	42.8
5	BLACK & VEATCH	34.0
6	FICHTNER GROUP	30.4
7	COWI A/S	24.7
8	JACOBS SOLUTIONS INC.	13.5
9	TRACTEBEL ENGINEERING	7.4
10	EMPRESARIOS AGRUPADOS INTERNACIONAL SA	7.1

OPERATIONS & MAINTENANCE		
RANK	FIRM	REVENUE (\$ MIL.)*
1	AECOM	15.0
2	WSP GLOBAL INC.	13.2
3	SURBANA JURONG PRIVATE LTD.	7.9
4	FICHTNER GROUP	7.7
5	AFRY	7.3
6	CHINA NATIONAL MACHINERY INDUSTRY CORP.	5.8
7	KHATIB & ALAMI	5.5
8	BILFINGER ENGINEERING	2.5
9	STANTEC INC.	1.8
10	LEIDOS	1.5

WIND GENERATION		
RANK	FIRM	REVENUE (\$ MIL.)*
1	POWER CONSTRUCTION CORP. OF CHINA	579.2
2	CHINA ENERGY ENGINEERING CORP. LTD.	394.1
3	TETRA TECH	75.0
4	RAMBOLL GROUP	64.9
5	WORLEY LTD.	49.2
6	MOTT MACDONALD	44.6
7	JACOBS SOLUTIONS INC.	43.9
8	COWI A/S	30.0
9	TRACTEBEL ENGINEERING	28.0
10	AFRY	27.7

*BASED ON 2023 CONTRACTOR AND DESIGN FIRM REVENUE FROM POWER AS REPORTED IN ENR'S SURVEYS OF LEADING CONTRACTORS AND DESIGN FIRMS IF AVAILABLE, OTHERWISE THE SUM OF SUBMARKET TOTALS.

**BASED ON SUPPLEMENTAL MARKET REVENUE DATA FROM 2023 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK SURVEYS. SEE ENR.COM FOR COMPLETE LISTINGS.

Top International Contractors

TRANSMISSION AND DISTRIBUTION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	LARSEN & TOUBRO LTD.	1,417.9
2	TBEA CO. LTD.	989.2
3	CHINA ELECTRIC POWER EQUIPMENT AND TECH. CO. LTD.	594.3
4	POWER CONSTRUCTION CORP. OF CHINA	551.4
5	ATKINSRÉALIS	390.1
6	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	333.9
7	XIAN ELECTRIC ENGINEERING CO. LTD.	285.8
8	CHINA NATIONAL MACHINERY INDUSTRY CORP.	196.1
9	GRUPO ACS/HOCHTIEF	191.4
10	CHINA ENERGY ENGINEERING CORP. LTD.	134.2
11	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	129.1
12	CHINA GENERAL TECHNOLOGY (GROUP) HOLDING CO. LTD.	122.0
13	BAUER AG	115.0
14	SKANSKA AB	89.0
15	PETROFAC LTD.	77.2
16	BURNS & MCDONNELL	77.1
17	WOOD	59.0
18	CHINA RAILWAY GROUP LTD.	51.8
19	SHANGHAI ELECTRIC GROUP CO. LTD.	50.4
20	KIEWIT CORP.	39.8
21	CHINA RAILWAY CONSTRUCTION CORP. LTD.	37.0
22	CALIK ENERJI SANAYI VE TICARET AS	27.0
23	KAJIMA CORP.	25.4
24	WORLEY LTD.	22.9
25	OFFSHORE OIL ENGINEERING CO. LTD.	18.3

SOLAR GENERATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	LARSEN & TOUBRO LTD.	1,568.1
2	CHINA ENERGY ENGINEERING CORP. LTD.	1,092.6
3	GRUPO ACS/HOCHTIEF	688.0
4	POWER CONSTRUCTION CORP. OF CHINA	658.8
5	DONGFANG ELECTRIC CORP.	426.4
6	CHINA NATIONAL MACHINERY INDUSTRY CORP.	374.8
7	TBEA CO. LTD.	324.8
8	SHANGHAI ELECTRIC GROUP CO. LTD.	234.9
9	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	170.9
10	CHINA RAILWAY CONSTRUCTION CORP. LTD.	162.0

Top International Design Firms

TRANSMISSION AND DISTRIBUTION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA ENERGY ENGINEERING CORP. LTD.	403.1
2	WSP GLOBAL INC.	352.6
3	ARCADIS NV	273.4
4	STANTEC INC.	156.1
5	JACOBS SOLUTIONS INC.	113.0
6	WORLEY LTD.	79.5
7	AFRY	62.2
8	AECOM	53.9
9	MOTT MACDONALD	53.6
10	WOOD	53.1
11	ILF CONSULTING ENGINEERS	51.6
12	ATKINSRÉALIS	49.4
13	TETRA TECH	42.0
14	SIDARA	38.0
15	RAMBOLL GROUP	34.7
16	TRACTEBEL ENGINEERING	33.0
17	EXP	26.5
18	POWER ENGINEERS INC.	23.4
19	KHATIB & ALAMI	20.8
20	FICHTNER GROUP	20.4
21	SURBANA JURONG PRIVATE LTD.	19.0
22	ARTELIA	19.0
23	BURNS & MCDONNELL	18.5
24	CISPDR CORPORATION	17.5
25	COWI A/S	15.2

SOLAR GENERATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	POWER CONSTRUCTION CORP. OF CHINA	578.2
2	CHINA ENERGY ENGINEERING CORP. LTD.	406.2
3	WORLEY LTD.	58.1
4	JACOBS SOLUTIONS INC.	48.1
5	WSP GLOBAL INC.	36.3
6	CHINA TRIUMPH INTERNATIONAL ENGINEERING CO. LTD.	35.9
7	STANTEC INC.	27.7
8	TETRA TECH	25.0
9	HATCH LTD.	20.0
10	FICHTNER GROUP	19.6

*BASED ON 2023 CONTRACTOR AND DESIGN FIRM REVENUE FROM POWER AS REPORTED IN ENR'S SURVEYS OF LEADING CONTRACTORS AND DESIGN FIRMS IF AVAILABLE, OTHERWISE THE SUM OF SUBMARKET TOTALS.
 **BASED ON SUPPLEMENTAL MARKET REVENUE DATA FROM 2023 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK SURVEYS. SEE ENR.COM FOR COMPLETE LISTINGS.

GLOBAL REVIEW+

OIL AND GAS

Gulf of Mexico Oil Fields Set for Development

Spanish energy giant Repsol awards FEED contract to McDermott International

Houston-based contractor McDermott International Ltd. has been awarded a front-end engineering design contract by Repsol Exploración México, a unit of Spain-based energy company Repsol, to develop the Polok and Chinwol oil fields in the Gulf of Mexico. Under the contract, the value of which was not disclosed, McDermott will provide FEED services for engineering, procurement, construction and installation of subsea umbilicals, risers and flowlines.

Polok and Chinwol are located in the Gulf's Block 29 (see map). Repsol is set to increase its stake in the oil discovery area, agreeing in September to buy the entire 16.67% stake that had been owned by the Mexican subsidiary of Thailand's national oil and gas company PTT Exploration and Production. The purchase, which would boost Repsol's operating interest in the development project from 30% to 46.67%, is set to finalize by year end, said PTT.

The Polok and Chinwol fields were the first deep-water oil discov-



eries made by Repsol and partners in Mexico in 2020. The Polok-1 exploration well, drilled to a depth of 2,620 m, found more than 200 m of "net oil pay" in two zones, defined as rock thickness that can produce hydrocarbons economically. Chinwol-1 well was drilled to 1,850 m, with 150 m of net oil pay found. The fields, 12 km apart, are 88 km from the Mexican coast. Repsol partners are PC Carigali Mexico (28.33%) and Harbour Energy (25%). Mahesh Swaminathan, McDermott senior vice president of subsea and floating facilities, said it "looks forward to advancing this project."

The contractor also announced energy-related contracts elsewhere,

ENERGY SOURCE Efforts are starting to develop the Polok and Chinwol oil fields in the Gulf of Mexico, 88 km from Mexico's coast.

including a decommissioning removal and disposal contract for Harriet Alpha oil platform off Australia's western coast that was awarded in November by Santos, the country's second largest energy developer. It is McDermott's largest to date, Swaminathan said, with a contract described as "large" that is valued at up to \$250

million. Project management and engineering will be based in Perth.

McDermott also gained an engineering, procurement, construction and installation contract in Qatar for gas infrastructure on the North Field South offshore project, part of an expansion that will help double the country's total LNG production to 142 million tons per year from the current 77. Project scope covers more than 155 miles of offshore and onshore gas pipelines connecting five new offshore well-head platforms with two new onshore LNG trains, McDermott announced. The firm did not note any contract terms. ■

By Debra K. Rubin

Italy Engineer Rina Wins CCS Work in Malaysia

Italy-based engineering firm Rina has won a pre-front-end engineering and design contract from Malaysian energy giant Petronas for work on carbon capture and storage projects in the country's northern and southern industrial regions. Rina said it has supporting infrastructure worksopes that include an onshore terminal, jetty and pipeline in the north and an onshore terminal, offshore pipeline and platform in the south. "These facilities will be crucial in capturing carbon dioxide emissions from industrial sources and securely storing them in offshore geological formations," said the firm, which did not disclose contract terms. Rina ranks at No. 63 on ENR's Top 225 International Design Firms list, reporting \$163 million in revenue outside Italy in 2023, 55% of its total. Enrico Beccaceci, a company senior manager, said the contract "reinforces Rina's strategic partnership with Petronas and marks a significant step in our expansion in Southeast Asia." Petronas also awarded a pre-FEED work contract to Aker Solutions for two other industrial hubs. By Debra K. Rubin

22B

Projected U.S. LNG export capacity in 2030, in cubic ft per day, if next administration's touted policies are implemented, up from 11.3 billion cu ft per day in 2023. Global gas demand could reach 600 million tons in 2030, with a 140-million-ton supply gap seen by 2035.

Source: Consultant Rystad Energy

Top International Contractors

OIL & GAS		
RANK	FIRM	REVENUE (\$ MIL.)*
1	SAIPEM SPA	10,906.0
2	MCDERMOTT INTERNATIONAL	5,735.0
3	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	5,395.1
4	TECHNIP ENERGIES	4,395.8
5	MAIRE SPA	4,367.1
6	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	3,624.2
7	SAMSUNG E&A CO. LTD.	3,518.8
8	JGC HOLDINGS CORP.	3,495.0
9	CHINA PETROLEUM ENGINEERING CO. LTD.	2,979.1
10	FLUOR	2,650.3
11	LARSEN & TOUBRO LTD.	2,342.6
12	PETROFAC LTD.	2,164.2
13	HYUNDAI ENGINEERING CO. LTD.	2,120.9
14	WOOD	1,974.0
15	BECHTEL	1,553.0
16	WORLEY LTD.	1,406.1
17	KIEWIT CORP.	1,293.7
18	SICIM SPA	1,221.1
19	ROYAL BOSKALIS BV	1,138.0
20	MICHELS CORP.	984.0
21	NATIONAL MARINE DREDGING COMPANY (NMDC)	897.0
22	DAEWOO ENGINEERING AND CONSTRUCTION	874.2
23	TOYO ENGINEERING CORP.	853.8
24	SINOPEC ENGINEERING (GROUP) CO. LTD.	759.2
25	BONATTI	749.0
26	OFFSHORE OIL ENGINEERING CO. LTD.	748.2
27	LOTTE ENGINEERING & CONSTRUCTION CO. LTD.	701.0
28	DL E&C CO. LTD.	694.5
29	BOUYGUES	694.0
30	CTCI CORP.	691.2
31	CONSOLIDATED CONTRACTORS GROUP	672.7
32	VINCI	659.0
33	CONTRACTING AND TRADING CO. (C.A.T.)	652.3
34	SINOPEC ZHONGYUAN PETROLEUM ENGINEERING LTD.	644.9
35	SAMSUNG C&T CORP.	637.0
36	ENKA INSAAT VE SANAYI AS	560.0
37	JEREH OIL & GAS ENGINEERING	466.8
38	ENG'G FOR THE PETROLEUM & PROCESS INDUSTRIES (ENPPI)	461.0
39	CHINA ENERGY ENGINEERING CORP. LTD.	450.8
40	PETRO. PROJECTS AND TECH. CONSULT. CO. - PETROJET	404.0
41	CHINA NATIONAL MACHINERY INDUSTRY CORP.	363.0
42	GRUPO ACS/HOCHTIEF	359.8
43	SHANXI CONSTRUCTION INVESTMENT GROUP CO. LTD.	285.9
44	MOTA-ENGIL	277.0
45	TEKFEN CONSTRUCTION AND INSTALLATION CO. INC.	213.0
46	APTIM	193.7
47	JAN DE NUL GROUP (SOFIDRA SA)	192.0
48	PCL CONSTRUCTION	182.3
49	GS ENGINEERING & CONSTRUCTION	159.7
50	WEBUILD SPA	157.7

Top International Design Firms

OIL & GAS		
RANK	FIRM	REVENUE (\$ MIL.)*
1	WORLEY LTD.	3,345.0
2	FLUOR	2,491.5
3	TECHNIP ENERGIES	1,993.3
4	WOOD	1,832.6
5	MAIRE SPA	741.0
6	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	476.1
7	SAMSUNG E&A CO. LTD.	286.9
8	PETROFAC LTD.	245.8
9	CHINA PETROLEUM ENGINEERING CO. LTD.	241.4
10	INTERTEK-PSI	215.6
11	WSP GLOBAL INC.	142.1
12	ENG'G FOR THE PETROLEUM & PROCESS INDUSTRIES (ENPPI)	130.6
13	BECHTEL	120.0
14	ILF CONSULTING ENGINEERS	113.1
15	RINA CONSULTING SPA	97.6
16	LARSEN & TOUBRO LTD.	92.9
17	CTCI CORP.	91.0
18	MOTT MACDONALD	89.9
19	SINOPEC ENGINEERING (GROUP) CO. LTD.	79.1
20	BILFINGER ENGINEERING	70.2
21	STANTEC INC.	62.6
22	JGC HOLDINGS CORP.	58.0
23	RANHILL BERSEKUTU SDN BHD GROUP	55.6
24	ARTELIA	46.8
25	IDOM	38.3
26	TRACTEBEL ENGINEERING	35.1
27	SIDARA	33.5
28	HATCH LTD.	33.0
29	TETRA TECH	28.0
30	BLACK & VEATCH	21.1
31	KIEWIT CORP.	17.1
32	ATKINSRÉALIS	16.5
33	KHATIB & ALAMI	15.8
34	CHINA NATIONAL MACHINERY INDUSTRY CORP.	14.5
35	AYESA	12.7
36	TEKFEN MUHENDISLIK AS	10.9
37	GHD	10.9
38	OFFSHORE OIL ENGINEERING CO. LTD.	8.9
39	KLEINFELDER	8.9
40	TATA PROJECTS LTD.	8.7
41	GS ENGINEERING & CONSTRUCTION	8.5
42	PROGER SPA	8.3
43	SENER GRUPO DE INGENIERÍA SA	7.3
44	CONSOLIDATED CONTRACTORS GROUP	5.7
45	AUDUBON	5.6
46	BURNS & MCDONNELL	5.5
47	AECOM	5.1
48	RAMBOLL GROUP	4.8
49	DORSCH GLOBAL GMBH	4.8
50	EXP	4.7

*BASED ON 2023 CONTRACTOR AND DESIGN FIRM REVENUE FROM PETROLEUM AS REPORTED IN ENR'S SURVEYS OF LEADING CONTRACTORS AND DESIGN FIRM IF AVAILABLE, OTHERWISE THE SUM OF SUBMARKET TOTALS.
**BASED ON SUPPLEMENTAL MARKET REVENUE DATA FROM 2023 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK SURVEYS. SEE ENR.COM FOR COMPLETE LISTINGS.

Top International Contractors

REFINERIES AND PETROCHEMICAL PLANTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	5,395.1
2	SAIPEM SPA	4,220.0
3	MAIRE SPA	3,634.2
4	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	3,622.9
5	SAMSUNG E&A CO. LTD.	2,670.1
6	FLUOR	2,569.9
7	HYUNDAI ENGINEERING CO. LTD.	2,120.9
8	PETROFAC LTD.	825.1
9	SINOPEC ENGINEERING (GROUP) CO. LTD.	759.2
10	DL E&C CO. LTD.	694.5
11	CTCI CORP.	691.2
12	WOOD	669.0
13	CONSOLIDATED CONTRACTORS GROUP	668.4
14	WORLEY LTD.	600.2
15	SICIM SPA	582.9
16	JEREH OIL & GAS ENGINEERING	466.8
17	CHINA ENERGY ENGINEERING CORP. LTD.	450.8
18	ENG'G FOR THE PETROLEUM & PROCESS INDUSTRIES (ENPPI)	447.6
19	ENKA INSAAT VE SANAYI AS	442.0
20	CHINA NATIONAL MACHINERY INDUSTRY CORP.	363.0
21	LARSEN & TOUBRO LTD.	220.5
22	CHINA PETROLEUM ENGINEERING CO. LTD.	173.1
23	GS ENGINEERING & CONSTRUCTION	159.2
24	WEBUILD SPA	157.7
25	PETRO. PROJECTS AND TECH. CONSULT. CO. - PETROJET	146.0

PIPELINES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	SAIPEM SPA	3,613.0
2	CHINA PETROLEUM ENGINEERING CO. LTD.	1,562.8
3	KIEWIT CORP.	1,203.3
4	MICHEL'S CORP.	984.0
5	CONTRACTING AND TRADING CO. (C.A.T.)	652.3
6	SICIM SPA	635.5
7	PETRO. PROJECTS AND TECH. CONSULT. CO. - PETROJET	257.0
8	NATIONAL MARINE DREDGING COMPANY (NMDC)	230.0
9	LARSEN & TOUBRO LTD.	191.9
10	WOOD	144.0
11	BARNARD CONSTRUCTION CO. INC.	108.8
12	WORLEY LTD.	104.9
13	NORINCO INTERNATIONAL COOPERATION LTD.	70.8
14	GRUPO ACS/HOCHTIEF	66.8
15	ENKA INSAAT VE SANAYI AS	30.5
16	MASTEC INC.	24.4
17	POWER CONSTRUCTION CORP. OF CHINA	22.1
18	ENG'G FOR THE PETROLEUM & PROCESS INDUSTRIES (ENPPI)	13.4
19	ATKINSRÉALIS	10.2
20	EGYPTIAN MAINTENANCE CO. (EMC)	9.1
21	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	5.3
22	CONSOLIDATED CONTRACTORS GROUP	4.4
23	FLUOR	3.5
24	CHINA RAILWAY CONSTRUCTION CORP. LTD.	3.0
25	SENER GRUPO DE INGENIERÍA SA	1.5

Top International Design Firms

REFINERIES AND PETROCHEMICAL PLANTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	FLUOR	2,488.1
2	WORLEY LTD.	2,066.5
3	WOOD	694.1
4	MAIRE SPA	619.7
5	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	476.1
6	SAMSUNG E&A CO. LTD.	221.0
7	ENG'G FOR THE PETROLEUM & PROCESS INDUSTRIES (ENPPI)	123.3
8	PETROFAC LTD.	93.7
9	CTCI CORP.	91.0
10	LARSEN & TOUBRO LTD.	88.7
11	SINOPEC ENGINEERING (GROUP) CO. LTD.	79.1
12	BILFINGER ENGINEERING	68.3
13	WSP GLOBAL INC.	52.6
14	CHINA PETROLEUM ENGINEERING CO. LTD.	50.3
15	IDOM	38.3
16	HATCH LTD.	33.0
17	SIDARA	21.5
18	STANTEC INC.	19.4
19	KHATIB & ALAMI	15.8
20	CHINA NATIONAL MACHINERY INDUSTRY CORP.	14.5
21	ILF CONSULTING ENGINEERS	13.9
22	ATKINSRÉALIS	13.3
23	BLACK & VEATCH	9.7
24	GS ENGINEERING & CONSTRUCTION	8.5
25	CONSOLIDATED CONTRACTORS GROUP	5.5

PIPELINES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WORLEY LTD.	325.7
2	MOTT MACDONALD	85.9
3	WSP GLOBAL INC.	70.0
4	WOOD	68.8
5	ILF CONSULTING ENGINEERS	63.3
6	STANTEC INC.	38.1
7	CHINA PETROLEUM ENGINEERING CO. LTD.	19.9
8	KIEWIT CORP.	16.7
9	TETRA TECH	10.0
10	SIDARA	9.0
11	ENG'G FOR THE PETROLEUM & PROCESS INDUSTRIES (ENPPI)	7.3
12	DORSCH GLOBAL GMBH	4.8
13	EXP	4.7
14	BURNS & MCDONNELL	4.4
15	ATKINSRÉALIS	3.1
16	POND AND CO.	3.1
17	ASSOCIATED CONSULTING ENGINEERS	1.3
18	HDR	1.1
19	SENER GRUPO DE INGENIERÍA SA	0.6
20	GEOSYNTEC CONSULTANTS	0.6
21	WALDEMAR S. NELSON AND CO. INC.	0.6
22	FLUOR	0.4
23	CONSOLIDATED CONTRACTORS GROUP	0.2
24	MEINHARDT GROUP INTERNATIONAL	0.2
25	PARSONS CORP.	0.2

*BASED ON 2023 CONTRACTOR AND DESIGN FIRM REVENUE FROM PETROLEUM AS REPORTED IN ENR'S SURVEYS OF LEADING CONTRACTORS AND DESIGN FIRM IF AVAILABLE, OTHERWISE THE SUM OF SUBMARKET TOTALS.
 **BASED ON SUPPLEMENTAL MARKET REVENUE DATA FROM 2023 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK SURVEYS. SEE ENR.COM FOR COMPLETE LISTINGS.

Top International Contractors

MAINTENANCE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	PETROFAC LTD.	642.5
2	WOOD	464.6
3	GRUPO ACS/HOCHTIEF	302.4
4	APTIM	191.7
5	SAIPEM SPA	75.0

OFFSHORE AND UNDERWATER FACILITIES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	MCDERMOTT INTERNATIONAL	5,735.0
2	SAIPEM SPA	2,960.0
3	LARSEN & TOUBRO LTD.	1,162.9
4	OFFSHORE OIL ENGINEERING CO. LTD.	748.2
5	WOOD	696.5
6	WORLEY LTD.	640.3
7	NATIONAL MARINE DREDGING COMPANY (NMDC)	620.0
8	BLACK & VEATCH	100.6
9	FLUOR	76.9
10	PETROFAC LTD.	21.2

Top International Design Firms

MAINTENANCE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WOOD	391.0
2	PETROFAC LTD.	73.0
3	STANTEC INC.	5.1
4	CHINA PETROLEUM ENGINEERING CO. LTD.	3.1
5	AECOM	2.2

OFFSHORE AND UNDERWATER FACILITIES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WOOD	671.6
2	WORLEY LTD.	604.8
3	WSP GLOBAL INC.	15.9
4	TETRA TECH	15.0
5	BLACK & VEATCH	10.4
6	OFFSHORE OIL ENGINEERING CO. LTD.	8.9
7	ARTELIA	4.8
8	LARSEN & TOUBRO LTD.	2.7
9	SIDARA	2.6
10	PETROFAC LTD.	2.4

*BASED ON 2023 CONTRACTOR AND DESIGN FIRM REVENUE FROM PETROLEUM AS REPORTED IN ENR'S SURVEYS OF LEADING CONTRACTORS AND DESIGN FIRM IF AVAILABLE, OTHERWISE THE SUM OF SUBMARKET TOTALS.

**BASED ON SUPPLEMENTAL MARKET REVENUE DATA FROM 2023 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK SURVEYS. SEE ENR.COM FOR COMPLETE LISTINGS.

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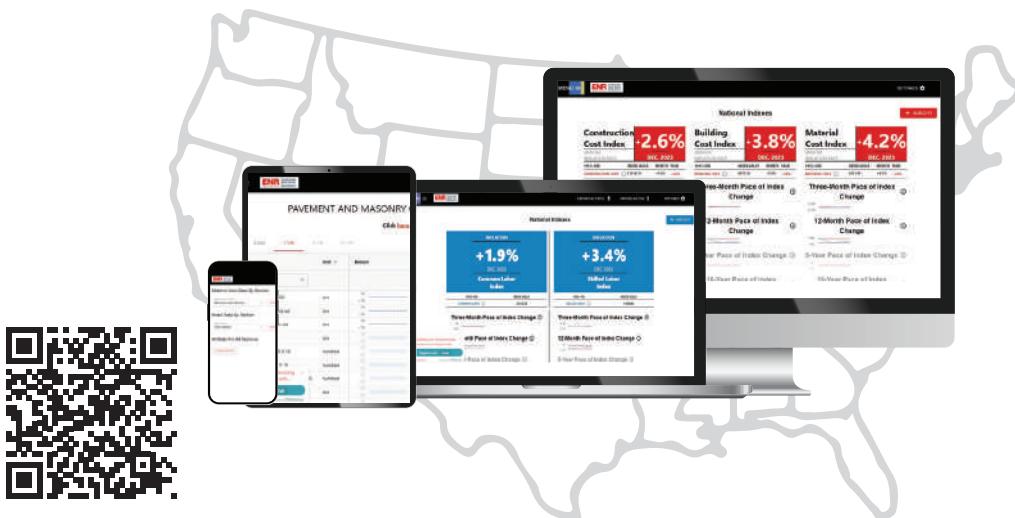


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GLOBAL REVIEW+

ENVIRONMENTAL



Spain Desalination Plant Could Grow by 50%

One of the world's largest adopters of desalinated water eyes growth

PROGRESS
Spain has been employing desalination technology, such as at its plant above in Torrevieja, since the 1960s and is the top producer in Europe, according to the government.

With desalination in Spain an important strategy amid ongoing water shortages partially linked to climate change, a plant in Torrevieja—a coastal Mediterranean city in the country's southeast—plans to boost its output of desalinated water by 50%.

State-owned water company Acuamed awarded this summer a \$93.9-million contract to a JV of Sacyr Water, Sacyr Construction, Ferrovial water unit Cadagua and Ferrovial Construction to expand plant capacity to 120 cubic hectometers per year from its current 80 cu hm per year. The contract also covers

four years of operation and maintenance by the JV.

Work includes construction of a roughly 5,000-sq-m warehouse with an electrical room that will hold new osmosis equipment and five new racks of energy recovery and pressure exchanger isobaric chambers for seawater energy capture.

Two seawater catchment systems will be added, which, along with increased pumping capacity, will double seawater collection and pumping. The current plant, built and operated by Acciona, is Europe's largest, according to Sacyr. A Sacyr-Ferrovial JV was also awarded a

contract last month to expand and operate the Águilas desalination plant in the Murcia region of Spain.

The region served by the plant, which includes the province of Alicante, is “one of the areas with the most variable climate and lowest availability of water resources in Spain,” but with an economy based on agriculture and tourism, says Acuamed, which is responsible for the country's hydraulic infrastructure. Water produced by the plant is split between crop irrigation and supplementing supply for up to 1.6 million people. ■

By Corinne Grinapol

2024 Arctic tundra emits more carbon than it absorbs, for first time in millennia

Source: 2024 NOAA Arctic Report Card

Top International Contractors

WATER SUPPLY		
RANK	FIRM	REVENUE (\$ MIL.)*
1	WEBUILD SPA	2,388.1
2	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	1,064.5
3	POWER CONSTRUCTION CORP. OF CHINA	979.2
4	ACCIONA	875.7
5	FCC SA	645.6
6	VINCI	543.0
7	GS ENGINEERING & CONSTRUCTION	376.8
8	GRUPO ACS/HOCHTIEF	304.0
9	CHINA NATIONAL MACHINERY INDUSTRY CORP.	296.8
10	STRABAG SE	282.5
11	SKANSKA AB	275.6
12	FERROVIAL	275.3
13	ORASCOM CONSTRUCTION PLC	260.0
14	CHINA RAILWAY GROUP LTD.	242.5
15	CHINA GEO-ENGINEERING CORP.	213.1
16	EIFFAGE	210.0
17	OHLA	190.7
18	CGCOC GROUP CO. LTD.	175.4
19	SACYR	164.7
20	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	163.5
21	CHINA RAILWAY CONSTRUCTION CORP. LTD.	161.0
22	LARSEN & TOUBRO LTD.	155.4
23	YUKSEL INSAAT AS	153.5
24	HUNAN CONSTRUCTION ENGINEERING GROUP CO. LTD.	145.5
25	SAMSUNG C&T CORP.	138.0
26	SADE - CGTH	105.0
27	SHAANXI CONSTRUCTION ENGINEERING HOLDING GROUP CO. LTD.	100.9
28	MOTA-ENGLIL	95.0
29	JIANGXI WATER AND HYDROPOWER CONSTR. CO. LTD.	89.0
30	SICIM SPA	80.0
31	ZHONGMEI ENGINEERING GROUP LTD.	74.0
32	CHINA PETROLEUM ENGINEERING CO. LTD.	71.0
33	CHINA ENERGY ENGINEERING CORP. LTD.	65.9
34	SHANDONG HI-SPEED GROUP CO. LTD.	63.2
35	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	61.5
36	SMK GROUP	59.0
37	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	56.9
38	AFCONS INFRASTRUCTURE LTD.	55.5
39	CITIC CONSTRUCTION CO. LTD.	55.0
40	BONATTI	51.0
41	TRAYLOR CONSTRUCTION GROUP INC.	49.1
42	OBAYASHI CORP.	47.0
43	GHELLA SPA	47.0
44	NUROL CONSTRUCTION AND TRADING CO. INC.	45.5
45	ZHENGTAI GROUP CO. LTD.	45.5
46	WEIHAI INTERNATIONAL ECONOMIC & TECHNICAL COOPERATIVE CO. LTD.	45.3
47	BOUYGUES	45.0
48	SOUTHLAND HOLDINGS	45.0
49	DAEWOO ENGINEERING AND CONSTRUCTION	44.5
50	MAPA INSAAT VE TICARET AS	43.9

Top International Design Firms

WATER SUPPLY		
RANK	FIRM	REVENUE (\$ MIL.)*
1	AECOM	958.4
2	STANTEC INC.	688.8
3	TETRA TECH	514.0
4	ARCADIS NV	425.8
5	JACOBS SOLUTIONS INC.	328.3
6	WSP GLOBAL INC.	246.9
7	ATKINSRÉALIS	194.4
8	WORLEY LTD.	176.4
9	GHD	174.1
10	MOTT MACDONALD	110.1
11	KHATIB & ALAMI	68.4
12	ROYAL HASKONINGDHV	66.8
13	SURBANA JURONG PRIVATE LTD.	61.2
14	ILF CONSULTING ENGINEERS	58.6
15	BECA GROUP LTD.	54.9
16	AYESA	53.0
17	CDM SMITH	50.5
18	DORSCH GLOBAL GMBH	43.6
19	SWECO AB	41.0
20	EGIS GROUP	36.0
21	COWI A/S	33.4
22	FICHTNER GROUP	33.3
23	ARTELIA	32.6
24	SIDARA	32.5
25	AFRY	31.0
26	TECNICA Y PROYECTOS SA (TYPSA)	29.7
27	TPF SA	29.6
28	HATCH LTD.	27.0
29	BLACK & VEATCH	27.0
30	IDOM	25.9
31	RAMBOLL GROUP	23.9
32	ID&E HOLDINGS F/K/A NIPPON KOEI GROUP	21.2
33	POWER CONSTRUCTION CORP. OF CHINA	19.3
34	GEI CONSULTANTS INC.	18.2
35	ASSOCIATED CONSULTING ENGINEERS	15.5
36	STUDI INTERNATIONAL	13.5
37	ITALCONSULT SPA	13.2
38	ECG ENGINEERING CONSULTANTS GROUP SA	12.6
39	CHINA NATIONAL MACHINERY INDUSTRY CORP.	11.9
40	DOLSAR ENGINEERING	11.8
41	DOHWA ENGINEERING CO. LTD.	11.3
42	PARSONS CORP.	10.8
43	CES CONSULTING ENGINEERS SALZGITTER GMBH	10.5
44	INGEROP	8.0
45	BILFINGER ENGINEERING	8.0
46	LOMBARDI GROUP	7.0
47	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	6.8
48	LARSEN & TOUBRO LTD.	6.7
49	GEOSYNTEC CONSULTANTS	6.5
50	ORIENTAL CONSULTANTS GLOBAL (OCHD)	6.4

*BASED ON 2023 CONTRACTOR AND DESIGN FIRM REVENUE FROM ENVIRONMENT AS REPORTED IN ENR'S SURVEYS OF LEADING CONTRACTORS AND DESIGN FIRMS IF AVAILABLE, OTHERWISE THE SUM OF SUBMARKET TOTALS.
 **BASED ON SUPPLEMENTAL MARKET REVENUE DATA FROM 2023 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK SURVEYS. SEE ENR.COM FOR COMPLETE LISTINGS.

Top International Contractors

SEWER & SOLID WASTE		
RANK	FIRM	REVENUE (\$ MIL.*)
1	FCC SA	1,957.3
2	STRABAG SE	625.6
3	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	549.1
4	FERROVIAL	539.2
5	GRUPO ACS/HOCHTIEF	429.6
6	OBAYASHI CORP.	274.0
7	NUROL CONSTRUCTION AND TRADING CO. INC.	269.1
8	WEBUILD SPA	251.5
9	MOHAMMED ABDULMOHSIN AL-KHARAFI & SONS	221.8
10	GHELLA SPA	218.0
11	SKANSKA AB	186.8
12	BOUYGUES	166.0
13	PER AARSLEFF HOLDING A/S	161.4
14	POWER CONSTRUCTION CORP. OF CHINA	161.4
15	MOTA-ENGIL	158.0
16	POSCO ECO & CHALLENGE	144.2
17	KUZU GROUP	134.0
18	BEIJING CONSTRUCTION ENGINEERING GROUP CO. LTD.	127.1
19	CHINA RAILWAY GROUP LTD.	118.6
20	GRAHAM	114.0
21	JAN DE NUL GROUP (SOFIDRA SA)	100.0
22	OHLA	93.3
23	COMBINED GROUP CONTRACTING CO. (K.S.C)	92.4
24	HASSAN ALLAM HOLDING	91.6
25	OFFSHORE OIL ENGINEERING CO. LTD.	84.0
26	SHANGHAI URBAN CONSTRUCTION (GROUP) CO. LTD	81.5
27	PENTA-OCEAN CONSTRUCTION CO. LTD.	78.8
28	YAPI MERKEZI INSAAT VE SANAYI AS	73.7
29	KAJIMA CORP.	73.5
30	SADE - CGTH	70.5
31	SAMSUNG E&A CO. LTD.	67.7
32	ORASCOM CONSTRUCTION PLC	63.0
33	CHINA RAILWAY CONSTRUCTION CORP. LTD.	62.0
34	CHINA GEO-ENGINEERING CORP.	58.4
35	LARSEN & TOUBRO LTD.	57.3
36	SHANGHAI CONSTRUCTION GROUP CO. LTD.	55.3
37	MICHELS CORP.	52.4
38	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	49.7
39	CHINA HENAN INT'L COOPERATION GROUP CO. LTD.	49.6
40	ZHONGMEI ENGINEERING GROUP LTD.	47.0
41	PCL CONSTRUCTION	46.9
42	EIFFAGE	45.0
43	SOUTHLAND HOLDINGS	41.0
44	KIEWIT CORP.	34.2
45	MASTEC INC.	33.7
46	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	31.7
47	BAUER AG	27.0
48	SACYR	21.5
49	HEBEI CONSTRUCTION GROUP CO. LTD.	18.4
50	BEIJING URBAN CONSTRUCTION GROUP CO. LTD.	17.6

Top International Design Firms

SEWER & SOLID WASTE		
RANK	FIRM	REVENUE (\$ MIL.*)
1	STANTEC INC.	346.4
2	WSP GLOBAL INC.	277.9
3	JACOBS SOLUTIONS INC.	208.4
4	AECOM	160.5
5	MOTT MACDONALD	145.1
6	GHD	132.2
7	TETRA TECH	126.0
8	SIDARA	122.9
9	SWECO AB	110.0
10	ATKINSRÉALIS	89.3
11	RAMBOLL GROUP	83.0
12	CDM SMITH	75.6
13	COWI A/S	57.1
14	ARCADIS NV	55.3
15	KHATIB & ALAMI	40.8
16	EXP	31.5
17	BLACK & VEATCH	29.6
18	ROYAL HASKONINGDHV	27.7
19	ASSOCIATED CONSULTING ENGINEERS	27.5
20	TECNICA Y PROYECTOS SA (TYPSA)	26.2
21	WORLEY LTD.	25.5
22	CTI ENGINEERING GROUP	24.4
23	EGIS GROUP	24.3
24	ARTELIA	23.2
25	DORSCH GLOBAL GMBH	18.4
26	AYESA	15.7
27	TPF SA	14.4
28	AFRY	13.0
29	IDOM	12.7
30	FICHTNER GROUP	12.7
31	AJI GROUP (ARABTECH JARDANEH)	12.1
32	HASSAN ALLAM HOLDING	12.0
33	NICHOLAS O'DWYER LTD.	10.6
34	DOHWA ENGINEERING CO. LTD.	9.7
35	EURO GROUP	9.6
36	ID&E HOLDINGS F/K/A NIPPON KOEI GROUP	9.4
37	ILF CONSULTING ENGINEERS	9.2
38	MEINHARDT GROUP INTERNATIONAL	8.0
39	LARSEN & TOUBRO LTD.	7.3
40	HDR	7.1
41	AAW CONSULTING ENGINEERS	6.0
42	GEOSYNTEC CONSULTANTS	5.7
43	ITALCONSULT SPA	5.3
44	CES CONSULTING ENGINEERS SALZGITTER GMBH	5.2
45	MORRISON HERSHFIELD	5.1
46	CHINA PETROLEUM ENGINEERING CO. LTD.	4.8
47	ORIENTAL CONSULTANTS GLOBAL (OCHD)	4.4
48	POWER CONSTRUCTION CORP. OF CHINA	3.9
49	CAROLLO ENGINEERS	3.7
50	SHAKER GROUP	3.6
50	COLLIERS ENGINEERING & DESIGN	3.6

*TIE FOR 50TH

**BASED ON SUPPLEMENTAL MARKET REVENUE DATA FROM 2023 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK SURVEYS. SEE ENR.COM FOR COMPLETE LISTINGS.

Top International Contractors

WASTEWATER TREATMENT		
RANK	FIRM	REVENUE (\$ MIL.**)
1	OBAYASHI CORP.	250.0
2	GHELLA SPA	218.0
3	GRUPO ACS/HOCHTIEF	217.0
4	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	157.8
5	MOHAMMED ABDULMOHSIN AL-KHARAFI & SONS	152.3
6	SKANSKA AB	141.0
7	BEIJING CONSTRUCTION ENGINEERING GROUP CO. LTD.	124.8
8	CHINA RAILWAY GROUP LTD.	118.6
9	POWER CONSTRUCTION CORP. OF CHINA	89.4
10	SHANGHAI URBAN CONSTRUCTION (GROUP) CO. LTD	81.5
11	YAPI MERKEZI INSAAT VE SANAYI AS	73.7
12	KAJIMA CORP.	62.6
13	HASSAN ALLAM HOLDING	62.1
14	LARSEN & TOUBRO LTD.	57.3
15	ZHONGMEI ENGINEERING GROUP LTD.	47.0
16	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	44.7
17	MASTEC INC.	33.7
18	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	31.7
19	SAMSUNG E&A CO. LTD.	29.6
20	BAUER AG	27.0
21	HEBEI CONSTRUCTION GROUP CO. LTD.	18.4
22	BEIJING URBAN CONSTRUCTION GROUP CO. LTD.	17.6
23	MWH	17.1
24	CGCOC GROUP CO. LTD.	17.0
25	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	14.3

TREATMENT & DESALINATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	POWER CONSTRUCTION CORP. OF CHINA	609.0
2	GS ENGINEERING & CONSTRUCTION	376.8
3	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	367.9
4	CHINA RAILWAY GROUP LTD.	242.5
5	HUNAN CONSTRUCTION ENGINEERING GROUP CO. LTD.	133.3
6	SICIM SPA	80.0
7	GRUPO ACS/HOCHTIEF	74.4
8	ZHONGMEI ENGINEERING GROUP LTD.	74.0
9	JIANGXI WATER AND HYDROPOWER CONSTR. CO. LTD.	71.1
10	CHINA NATIONAL MACHINERY INDUSTRY CORP.	61.9
11	SACYR	53.0
12	OHLA	35.2
13	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	29.9
14	ELECTRA LTD.	28.2
15	OBAYASHI CORP.	28.0
16	BEIJING URBAN CONSTRUCTION GROUP CO. LTD.	22.6
17	ECC	15.9
18	ANHUI CONSTRUCTION ENGINEERING GROUP CO. LTD.	15.5
19	KIEWIT CORP.	13.6
20	SHANXI CONSTRUCTION INVESTMENT GROUP CO. LTD.	13.5
21	WOOD	11.2
22	CHINA GENERAL TECHNOLOGY (GROUP) HOLDING CO. LTD.	8.1
23	ALBERICI-FLINTCO	8.0
24	HYUNDAI ENGINEERING CO. LTD.	7.8
25	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	7.8

Top International Design Firms

WASTEWATER TREATMENT		
RANK	FIRM	REVENUE (\$ MIL.**)
1	STANTEC INC.	196.2
2	AECOM	158.5
3	WSP GLOBAL INC.	123.9
4	JACOBS SOLUTIONS INC.	107.9
5	SIDARA	90.0
6	ATKINSRÉALIS	69.5
7	MOTT MACDONALD	43.8
8	TETRA TECH	38.0
9	RAMBOLL GROUP	36.7
10	ROYAL HASKONINGDHV	27.2
11	WORLEY LTD.	25.5
12	EGIS GROUP	24.3
13	TECNICA Y PROYECTOS SA (TYPESA)	19.9
14	ARCADIS NV	14.9
15	BLACK & VEATCH	14.2
16	ASSOCIATED CONSULTING ENGINEERS	13.4
17	AJI GROUP (ARABTECH JARDANEH)	12.1
18	HASSAN ALLAM HOLDING	12.0
19	AFRY	9.8
20	TPF SA	9.7
21	KHATIB & ALAMI	9.3
22	ARTELIA	8.4
23	MEINHARDT GROUP INTERNATIONAL	6.4
24	DORSCH GLOBAL GMBH	6.2
25	COWI A/S	4.8

TREATMENT & DESALINATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	AECOM	384.4
2	STANTEC INC.	255.7
3	ARCADIS NV	253.1
4	TETRA TECH	173.0
5	WORLEY LTD.	144.7
6	WSP GLOBAL INC.	88.6
7	JACOBS SOLUTIONS INC.	55.4
8	MOTT MACDONALD	46.1
9	EGIS GROUP	36.0
10	HATCH LTD.	27.0
11	BLACK & VEATCH	25.3
12	IDOM	23.9
13	DORSCH GLOBAL GMBH	22.9
14	FICHTNER GROUP	17.1
15	ROYAL HASKONINGDHV	13.3
16	COWI A/S	13.2
17	TECNICA Y PROYECTOS SA (TYPESA)	12.2
18	KHATIB & ALAMI	10.1
19	RAMBOLL GROUP	9.2
20	ILF CONSULTING ENGINEERS	8.9
21	GEI CONSULTANTS INC.	8.9
22	TPF SA	8.7
23	BILFINGER ENGINEERING	8.0
24	ARTELIA	5.5
25	SIDARA	5.4

*BASED ON 2023 CONTRACTOR AND DESIGN FIRM REVENUE FROM ENVIRONMENT AS REPORTED IN ENR'S SURVEYS OF LEADING CONTRACTORS AND DESIGN FIRMS IF AVAILABLE, OTHERWISE THE SUM OF SUBMARKET TOTALS.
 **BASED ON SUPPLEMENTAL MARKET REVENUE DATA FROM 2023 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK SURVEYS. SEE ENR.COM FOR COMPLETE LISTINGS.

Top International Contractors

TRANSMISSION LINES & AQUEDUCTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	496.0
2	SKANSKA AB	253.7
3	CHINA NATIONAL MACHINERY INDUSTRY CORP.	182.7
4	OHLA	155.5
5	CGCOC GROUP CO. LTD.	154.7
6	YUKSEL INSAAT AS	153.5
7	CHINA GEO-ENGINEERING CORP.	135.9
8	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	133.6
9	CHINA RAILWAY CONSTRUCTION CORP. LTD.	115.0
10	POWER CONSTRUCTION CORP. OF CHINA	102.3
11	CHINA PETROLEUM ENGINEERING CO. LTD.	71.0
12	AFCONS INFRASTRUCTURE LTD.	55.5
13	TRAYLOR CONSTRUCTION GROUP INC.	49.1
14	GHELLA SPA	47.5
15	ZHENGTAI GROUP CO. LTD.	45.5
16	CHINA ENERGY ENGINEERING CORP. LTD.	43.9
17	MAPA INSAAT VE TICARET AS	43.9
18	SACYR	38.9
19	GRUPO ACS/HOCHTIEF	34.4
20	JIANGSU PROVINCIAL CONSTRUCTION GROUP CO. LTD.	32.1
21	MOHAMMED ABDULMOHSIN AL-KHARAFI & SONS	31.0
22	LIMAK INSAAT SANAYI VE TICARET AS	30.0
23	CHINA HENAN INT'L COOPERATION GROUP CO. LTD.	26.1
24	COMBINED GROUP CONTRACTING CO. (K.S.C)	23.1
25	SHANGHAI URBAN CONSTRUCTION (GROUP) CO. LTD	20.4

DAMS & RESERVOIRS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WEBUILD SPA	2,382.9
2	POWER CONSTRUCTION CORP. OF CHINA	267.9
3	GRUPO ACS/HOCHTIEF	83.8
4	SACYR	72.7
5	SHANDONG HI-SPEED GROUP CO. LTD.	63.2
6	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	55.5
7	CITIC CONSTRUCTION CO. LTD.	55.0
8	CHINA NATIONAL MACHINERY INDUSTRY CORP.	52.2
9	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	49.2
10	BAUER AG	28.0
11	CHINA ENERGY ENGINEERING CORP. LTD.	22.0
12	CHONGQING INTERNATIONAL CONSTRUCTION CORP.	21.1
13	CHINA GEO-ENGINEERING CORP.	20.5
14	JIANGXI WATER AND HYDROPOWER CONSTR. CO. LTD.	17.9
15	CGCOC GROUP CO. LTD.	16.6
16	OBAYASHI CORP.	12.0
17	ZHONGDING INTERNATIONAL ENGINEERING CO. LTD	11.2
18	CONSOLIDATED CONTRACTORS GROUP	9.8
19	DL E&C CO. LTD.	4.2
20	CHINA HENAN INT'L COOPERATION GROUP CO. LTD.	3.1

Top International Design Firms

TRANSMISSION LINES & AQUEDUCTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	AECOM	234.7
2	JACOBS SOLUTIONS INC.	222.7
3	TETRA TECH	160.0
4	ATKINSRÉALIS	128.5
5	ARCADIS NV	101.8
6	STANTEC INC.	99.4
7	WSP GLOBAL INC.	90.0
8	ILF CONSULTING ENGINEERS	49.6
9	MOTT MACDONALD	48.6
10	KHATIB & ALAMI	43.5
11	SIDARA	20.8
12	COWI A/S	16.9
13	ECG ENGINEERING CONSULTANTS GROUP SA	12.5
14	FICHTNER GROUP	12.1
15	TPF SA	11.1
16	TECNICA Y PROYECTOS SA (TYPESA)	9.5
17	CES CONSULTING ENGINEERS SALZGITTER GMBH	8.8
18	GEI CONSULTANTS INC.	8.7
19	RAMBOLL GROUP	8.2
20	DORSCH GLOBAL GMBH	8.1
21	ARTELIA	7.4
22	ID&E HOLDINGS F/K/A NIPPON KOEI GROUP	7.4
23	CHINA NATIONAL MACHINERY INDUSTRY CORP.	7.3
24	PARSONS CORP.	5.5
25	ASSYSTEM	4.4

DAMS & RESERVOIRS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	AECOM	338.5
2	STANTEC INC.	333.7
3	TETRA TECH	181.0
4	ARCADIS NV	70.9
5	WSP GLOBAL INC.	68.3
6	SURBANA JURONG PRIVATE LTD.	61.2
7	ROYAL HASKONINGDHV	53.6
8	JACOBS SOLUTIONS INC.	50.2
9	WORLEY LTD.	31.7
10	POWER CONSTRUCTION CORP. OF CHINA	17.0
11	MOTT MACDONALD	15.4
12	ARTELIA	13.7
13	DORSCH GLOBAL GMBH	12.6
14	DOLSAR ENGINEERING	11.1
15	TPF SA	9.7
16	ASSOCIATED CONSULTING ENGINEERS	9.0
17	TECNICA Y PROYECTOS SA (TYPESA)	8.0
18	RAMBOLL GROUP	6.5
19	ATKINSRÉALIS	6.4
20	SIDARA	6.3

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Top International Contractors

HAZARDOUS WASTE		
RANK	FIRM	REVENUE (\$ MIL.)*
1	VINCI	154.0
2	EIFFAGE	50.0
3	ECC	47.3
4	BOUYGUES	47.0
5	CHINA NERIN ENGINEERING CO. LTD.	19.6
6	DAEWOO ENGINEERING AND CONSTRUCTION	18.2
7	ANT YAPI INDUSTRY & TRADE INC.	6.0
8	PCL CONSTRUCTION	4.8
9	BECHTEL	3.0
10	SKANSKA AB	2.4

SANITARY & STORM SEWERS		
RANK	FIRM	REVENUE (\$ MIL.)*
1	WEBUILD SPA	243.7
2	PER AARSLEFF HOLDING A/S	161.2
3	GRUPO ACS/HOCHTIEF	125.8
4	OHLA	93.3
5	COMBINED GROUP CONTRACTING CO. (K.S.C)	92.6
6	PENTA-OCEAN CONSTRUCTION CO. LTD.	78.8
7	MOHAMMED ABDULMOHSIN AL-KHARAFI & SONS	69.5
8	CHINA GEO-ENGINEERING CORP.	58.4
9	SHANGHAI CONSTRUCTION GROUP CO. LTD.	55.3
10	MICHELS CORP.	52.4
11	CHINA HENAN INT'L COOPERATION GROUP CO. LTD.	49.6
12	POWER CONSTRUCTION CORP. OF CHINA	49.3
13	KIEWIT CORP.	34.2
14	HASSAN ALLAM HOLDING	29.5
15	OBAYASHI CORP.	24.0

SOLID WASTE		
RANK	FIRM	REVENUE (\$ MIL.)*
1	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	367.6
2	POSCO ECO & CHALLENGE	143.8
3	OFFSHORE OIL ENGINEERING CO. LTD.	84.0
4	SAMSUNG E&A CO. LTD.	31.4
5	ECC	17.5
6	CHINA RAILWAY CONSTRUCTION CORP. LTD.	17.0
7	GRUPO ACS/HOCHTIEF	6.5
8	POWER CONSTRUCTION CORP. OF CHINA	6.5
9	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	2.8
10	HYUNDAI ENGINEERING CO. LTD.	2.8

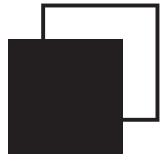
Top International Design Firms

HAZARDOUS WASTE		
RANK	FIRM	REVENUE (\$ MIL.)*
1	ARCADIS NV	1,112.3
2	WSP GLOBAL INC.	473.4
3	RAMBOLL GROUP	422.9
4	GHD	306.8
5	TETRA TECH	305.0
6	STANTEC INC.	267.3
7	JACOBS SOLUTIONS INC.	244.3
8	ATKINSRÉALIS	233.7
9	AECOM	169.3
10	WORLEY LTD.	93.9

SANITARY & STORM SEWERS		
RANK	FIRM	REVENUE (\$ MIL.)*
1	STANTEC INC.	142.8
2	WSP GLOBAL INC.	136.4
3	JACOBS SOLUTIONS INC.	100.5
4	MOTT MACDONALD	95.4
5	TETRA TECH	50.0
6	RAMBOLL GROUP	38.9
7	ARCADIS NV	38.7
8	KHATIB & ALAMI	31.6
9	COWI A/S	30.8
10	SIDARA	29.7
11	EXP	26.8
12	CTI ENGINEERING GROUP	24.5
13	ATKINSRÉALIS	19.0
14	BLACK & VEATCH	14.8
15	ASSOCIATED CONSULTING ENGINEERS	13.1

SOLID WASTE		
RANK	FIRM	REVENUE (\$ MIL.)*
1	TETRA TECH	38.0
2	COWI A/S	21.5
3	WSP GLOBAL INC.	17.6
4	IDOM	12.7
5	ARTELIA	8.4
6	RAMBOLL GROUP	7.4
7	STANTEC INC.	7.3
8	MOTT MACDONALD	5.9
9	GEOSYNTEC CONSULTANTS	5.1
10	DORSCH GLOBAL GMBH	4.1

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Scott J. Seltz,
Publisher

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Engineering News-Record



GLOBAL REVIEW+

MANUFACTURING

Producing Treatments for Rare Diseases

Novo Nordisk plans a \$1.2-billion pharmaceutical plant in Denmark



CRUCIAL TREATMENTS

Pharmaceutical maker Novo Nordisk plans to produce medicines for rare diseases at a 430,000-sq-ft plant in Odense, Denmark

Danish pharmaceutical company Novo Nordisk recently announced plans to spend approximately \$1.2 billion to build a new production facility in Odense, Denmark. The scope of the project includes a finished production plant and warehouse totaling more than 430,000 sq ft.

The main facility is planned to include on-site solar power generation. The owner intends to plant more than 4,000 trees there.

The manufacturing site is designed for modularity and flexibility, so it can accommodate production of medicines for multiple rare

diseases such as hemophilia, according to Novo Nordisk.

The facility will use "advanced technology and innovative equipment to ensure the highest quality to patients and meet the growing global demand for our life-changing medicines," said Henrik Wulff, executive vice president of product supply, quality and IT at Novo Nordisk, in a statement.

Site work is already underway, although a Novo Nordisk representative declined to name contractors working on the project. It is scheduled for completion in 2027.

The drugmaker has a separate

project in North Carolina to expand production of its popular weight loss and diabetes treatments, Wegovy and Ozempic.

Morrisville, N.C.-based BE&K is construction manager for that \$4.1-billion project.

The U.S. project has some similarities to the newly announced work in Denmark, such as inclusion of on-site solar. Novo Nordisk has said it aims to earn LEED Gold certification for the facility. Completion of that plant is expected in phases, starting in 2027 and continuing into 2029.

By James Leggate

15.3

Percentage of global GDP from manufacturing in 2023

Source: World Bank Group

Top International Contractors

MANUFACTURING		
RANK	FIRM	REVENUE (\$ MIL.)*
1	EXYTE GMBH	5,252.0
2	SAMSUNG C&T CORP.	3,257.0
3	SINOMA INTERNATIONAL ENGINEERING CO. LTD.	2,613.4
4	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	2,587.6
5	HYUNDAI ENGINEERING CO. LTD.	2,381.8
6	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	2,299.9
7	HOFFMAN CONSTRUCTION	1,670.0
8	GRUPO ACS/HOCHTIEF	1,323.3
9	SAMSUNG E&A CO. LTD.	1,227.9
10	TAKENAKA CORP.	1,176.0
11	KAJIMA CORP.	1,068.8
12	ALBERICI-FLINTCO	761.9
13	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	733.5
14	SKANSKA AB	698.5
15	CTCI CORP.	632.3
16	BOUYGUES	610.0
17	EIFFAGE	600.0
18	PER AARSLEFF HOLDING A/S	469.8
19	SYNERGY CONSTRUCT SRL	457.3
20	GS ENGINEERING & CONSTRUCTION	451.7
21	KINDEN CORP.	295.0
22	WALBRIDGE	287.0
23	LARSEN & TOUBRO LTD.	237.4
24	SHIMIZU CORP.	220.9
25	FLUOR	209.5
26	ZHONGYIFENG CONSTRUCTION GROUP CO. LTD.	200.1
27	OBAYASHI CORP.	189.0
28	CHINA NATIONAL MACHINERY INDUSTRY CORP.	130.8
29	SENER GRUPO DE INGENIERÍA SA	101.7
30	JIANGSU PROVINCIAL CONSTRUCTION GROUP CO. LTD.	83.5
31	JIANGLIAN HEAVY INDUSTRY GROUP CO. LTD.	67.5
32	BAUER AG	64.0
33	ORASCOM CONSTRUCTION PLC	42.0
34	RONCELLI INC.	38.0
35	CHINA ALUMINUM INTERNATIONAL ENG'G CORP. LTD.	37.0
36	COMMERCIAL CONTRACTING CORP.	35.4
37	CHINA RAILWAY CONSTRUCTION CORP. LTD.	35.0
38	RENAISSANCE CONSTRUCTION	32.5
39	NORINCO INTERNATIONAL COOPERATION LTD.	28.0
40	HASKELL	27.3
41	AECON GROUP INC.	20.8
42	TREVI	9.1
43	GRUPO EMPRESARIAL SAN JOSE SA	8.1
44	PENTA-OCEAN CONSTRUCTION CO. LTD.	6.8
45	BARTON MALOW HOLDINGS LLC	5.3
46	MAEG COSTRUZIONI SPA	4.6
47	SUMITOMO MITSUI CONSTRUCTION CO. LTD.	4.6
48	SSOE GROUP	4.5
49	ATKINSRÉALIS	4.4
50	WOOD	4.4

Top International Design Firms

MANUFACTURING		
RANK	FIRM	REVENUE (\$ MIL.)*
1	LARSEN & TOUBRO LTD.	491.0
2	EXYTE GMBH	252.2
3	ARCADIS NV	241.6
4	JACOBS SOLUTIONS INC.	139.0
5	RAMBOLL GROUP	108.0
6	ATKINSRÉALIS	102.8
7	DREES & SOMMER	82.3
8	SAMSUNG E&A CO. LTD.	71.4
9	SAMOO ARCHITECTS & ENGINEERS	69.8
10	WOOD	65.3
11	WSP GLOBAL INC.	52.5
12	STANTEC INC.	37.3
13	AFRY	31.0
14	KAJIMA CORP.	30.7
15	GRESHAM SMITH	26.2
16	PM GROUP	25.3
17	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	24.2
18	BECA GROUP LTD.	23.1
19	SSOE GROUP	22.2
20	RINA CONSULTING SPA	19.5
21	GHAFARI ASSOCIATES LLC	18.9
22	EGIS GROUP	17.8
23	ARTELIA	16.1
24	IDOM	15.4
25	TETRA TECH	15.0
26	SYNERGY CONSTRUCT SRL	15.0
27	AURECON	15.0
28	EXP	14.7
29	CTCI CORP.	14.4
30	SABBOUR CONSULTING	11.4
31	ROYAL HASKONINGDHV	11.0
32	SETEC	9.1
33	SIDARA	7.3
34	MEINHARDT GROUP INTERNATIONAL	6.2
35	BILFINGER ENGINEERING	5.7
36	DORSCH GLOBAL GMBH	5.5
37	DEERNS	5.5
38	CHINA NATIONAL MACHINERY INDUSTRY CORP.	5.2
39	SWECO AB	4.0
40	LEIDOS	3.6
41	PROGER SPA	3.0
42	PCG PROFABRIL CONSULPLANO GLOBAL SA	3.0
43	ACTALENT	2.7
44	COWI A/S	2.0
45	AMG AL AMAR CONSULTING GROUP SA	1.9
46	FLUOR	1.8
47	BARRY-WEHMILLER DESIGN GROUP	1.6
48	BURNS & MCDONNELL	1.4
49	WARE MALCOMB	1.3
50	HASKELL	1.3

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Top International Contractors

INDUSTRIAL PROCESS		
RANK	FIRM	REVENUE (\$ MIL.*)
1	DANIELI & C. O.M. SPA	2,585.0
2	BECHTEL	2,509.0
3	CHINA METALLURGICAL GROUP CORP.	1,666.5
4	ACCIONA	1,210.0
5	STRABAG SE	1,110.9
6	FLUOR	1,074.5
7	SINOSTEEL EQUIPMENT & ENGINEERING CO. LTD.	998.7
8	VINCI	998.0
9	GRUPO ACS/HOCHTIEF	995.9
10	BOUYGUES	927.0
11	SKANSKA AB	591.1
12	CITIC CONSTRUCTION CO. LTD.	564.0
13	ALBERICI-FLINTCO	462.1
14	CHINA ALUMINUM INTERNATIONAL ENG'G CORP. LTD.	438.2
15	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	402.8
16	CHINA NONFERROUS METAL IND. FOR. ENG'G AND CONSTR.	401.8
17	EXYTE GMBH	365.0
18	CHINA 15TH METALLURGICAL CONSTRUCTION GROUP CO. LTD.	356.9
19	ESTA INSAAT SANAYI LOJISTIK VE DIS TICARET AS	341.9
20	EIFFAGE	290.0
21	LARSEN & TOUBRO LTD.	277.8
22	KAJIMA CORP.	273.6
23	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	248.1
24	HYUNDAI ENGINEERING CO. LTD.	248.1
25	CHINA RAILWAY GROUP LTD.	246.8
26	URBACON TRADING AND CONTRACTING WLL	233.5
27	RENAISSANCE CONSTRUCTION	224.5
28	ORASCOM CONSTRUCTION PLC	210.0
29	POSCO ECO & CHALLENGE	207.4
30	GILBANE BUILDING CO.	176.9
31	HARBIN ELECTRIC INTERNATIONAL CO. LTD.	160.5
32	CHINA NATIONAL MACHINERY INDUSTRY CORP.	150.1
33	YAPI MERKEZI INSAAT VE SANAYI AS	131.1
34	WEBUILD SPA	109.2
35	CHINA NERIN ENGINEERING CO. LTD.	105.1
36	WOOD	104.3
37	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	102.6
38	ENKA INSAAT VE SANAYI AS	100.8
39	SHIMIZU CORP.	95.0
40	BAUER AG	92.0
41	HEBEI CONSTRUCTION GROUP CO. LTD.	82.4
42	OHLA	72.2
43	HASKELL	61.6
44	OBAYASHI CORP.	59.0
45	TBEA CO. LTD.	58.9
46	SAMSUNG E&A CO. LTD.	55.5
47	QINGJIAN GROUP CO. LTD.	51.1
48	CHINA NUCLEAR ENGINEERING CORP. LTD.	50.4
49	TEPE INSAAT SANAYI AS	50.2
50	SHANDONG HI-SPEED DEJIAN GROUP CO. LTD.	49.1

Top International Design Firms

INDUSTRIAL PROCESS		
RANK	FIRM	REVENUE (\$ MIL.*)
1	HATCH LTD.	630.0
2	WORLEY LTD.	606.7
3	JACOBS SOLUTIONS INC.	572.9
4	ARCADIS NV	537.3
5	AFRY	441.0
6	FLUOR	245.3
7	BECHTEL	240.0
8	SWECO AB	213.0
9	INTERTEK-PSI	183.0
10	WSP GLOBAL INC.	125.5
11	WOOD	124.1
12	PM GROUP	111.2
13	SIDARA	104.8
14	LARSEN & TOUBRO LTD.	95.5
15	IPS-INTEGRATED PROJECT SERVICES LLC	94.5
16	CHINA ALUMINUM INTERNATIONAL ENG'G CORP. LTD.	72.9
17	CHINA METALLURGICAL GROUP CORP.	61.5
18	ATKINSRÉALIS	61.1
19	RAMBOLL GROUP	59.5
20	STANTEC INC.	54.6
21	IDOM	53.5
22	CHINA TRIUMPH INTERNATIONAL ENGINEERING CO. LTD.	50.9
23	TETRA TECH	48.0
24	EXYTE GMBH	47.0
25	BILFINGER ENGINEERING	45.0
26	ARTELIA	42.2
27	CRB	37.4
28	DBA GROUP SPA	32.7
29	DREES & SOMMER	28.7
30	CHINA NERIN ENGINEERING CO. LTD.	28.4
31	GHD	27.1
32	M3 ENGINEERING AND TECHNOLOGY CORP.	23.0
33	CHINA ENERGY ENGINEERING CORP. LTD.	19.8
34	HASKELL	19.6
35	AYESA	19.6
36	BECA GROUP LTD.	19.3
37	DENNIS GROUP	17.8
38	INGEROP	16.0
39	MOTT MACDONALD	15.8
40	SALAS O'BRIEN	15.1
41	COWI A/S	13.8
42	EXP	12.7
43	KAJIMA CORP.	12.5
44	POSCO ECO & CHALLENGE	11.7
45	WARE MALCOMB	10.5
46	JENSEN HUGHES	10.2
47	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	8.9
48	CHINA NATIONAL MACHINERY INDUSTRY CORP.	7.5
49	SABBOUR CONSULTING	7.1
50	CTCI CORP.	6.8

*BASED ON 2023 CONTRACTOR AND DESIGN FIRM REVENUE AS REPORTED FOR THOSE MARKETS IN ENR'S SURVEYS OF LEADING CONTRACTORS AND DESIGN FIRMS IF AVAILABLE, OTHERWISE THE SUM OF SUBMARKET TOTALS.
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Top International Contractors

AUTO ASSEMBLY PLANTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	2,587.6
2	HYUNDAI ENGINEERING CO. LTD.	2,381.8
3	GRUPO ACS/HOCHTIEF	1,121.2
4	ALBERICI-FLINTCO	761.9
5	KAJIMA CORP.	468.4
6	WALBRIDGE	287.0
7	CHINA NATIONAL MACHINERY INDUSTRY CORP.	90.6
8	OBAYASHI CORP.	58.0
9	SHIMIZU CORP.	55.0
10	CTCI CORP.	55.0

STEEL AND NON-FERROUS METALS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA METALLURGICAL GROUP CORP.	1,605.2
2	SINOSTEEL EQUIPMENT & ENGINEERING CO. LTD.	998.7
3	CHINA ALUMINUM INTERNATIONAL ENG'G CORP. LTD.	438.2
4	CHINA NONFERROUS METAL IND. FOR. ENG'G AND CONSTR.	401.8
5	CHINA RAILWAY GROUP LTD.	246.8
6	LARSEN & TOUBRO LTD.	234.8
7	URBACON TRADING AND CONTRACTING WLL	233.5
8	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	191.1
9	HYUNDAI ENGINEERING CO. LTD.	191.1
10	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	123.0
11	CHINA NERIN ENGINEERING CO. LTD.	105.1
12	BAUER AG	64.4
13	TBEA CO. LTD.	58.9
14	FLUOR	49.7
15	SHANDONG HI-SPEED DEJIAN GROUP CO. LTD.	46.3
16	POSCO ECO & CHALLENGE	43.4
17	SUMITOMO MITSUI CONSTRUCTION CO. LTD.	33.4
18	CHINA GANSU INT'L ECON. AND TECH. COOP. CO. LTD.	25.8
19	CHINA RAILWAY CONSTRUCTION CORP. LTD.	25.0
20	SINOMA INTERNATIONAL ENGINEERING CO. LTD.	22.8

PHARMACEUTICALS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	FLUOR	570.6
2	SKANSKA AB	511.8
3	GRUPO ACS/HOCHTIEF	364.2
4	EXYTE GMBH	292.8
5	KAJIMA CORP.	93.8
6	DPR CONSTRUCTION	40.3
7	IPS-INTEGRATED PROJECT SERVICES LLC	23.1
8	OBAYASHI CORP.	4.0
9	POND AND CO.	2.5
10	PENTA-OCEAN CONSTRUCTION CO. LTD.	2.4

Top International Design Firms

AUTO ASSEMBLY PLANTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	LARSEN & TOUBRO LTD.	223.5
2	ARCADIS NV	81.9
3	WOOD	65.3
4	WSP GLOBAL INC.	35.9
5	DREES & SOMMER	29.4
6	JACOBS SOLUTIONS INC.	29.4
7	GRESHAM SMITH	26.2
8	AFRY	20.4
9	ATKINSRÉALIS	20.1
10	KAJIMA CORP.	18.6

STEEL AND NON-FERROUS METALS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	HATCH LTD.	630.0
2	WORLEY LTD.	115.0
3	CHINA ALUMINUM INTERNATIONAL ENG'G CORP. LTD.	73.0
4	CHINA METALLURGICAL GROUP CORP.	61.5
5	FLUOR	49.5
6	AFRY	39.0
7	IDOM	34.7
8	CHINA NERIN ENGINEERING CO. LTD.	28.4
9	TETRA TECH	25.0
10	STANTEC INC.	15.2
11	POSCO ECO & CHALLENGE	11.6
12	WSP GLOBAL INC.	8.1
13	DREES & SOMMER	7.6
14	CTCI CORP.	6.9
15	EXP	3.9
16	AECOM	3.1
17	LARSEN & TOUBRO LTD.	3.0
18	BILFINGER ENGINEERING	2.9
19	RAMBOLL GROUP	2.5
20	ROYAL HASKONINGDHV	1.5

PHARMACEUTICALS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	JACOBS SOLUTIONS INC.	558.2
2	ARCADIS NV	526.9
3	SIDARA	99.4
4	IPS-INTEGRATED PROJECT SERVICES LLC	94.5
5	PM GROUP	92.2
6	AFRY	63.4
7	FLUOR	44.1
8	EXYTE GMBH	39.5
9	WSP GLOBAL INC.	27.2
10	ATKINSRÉALIS	25.5

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Top International Contractors

TELECOMMUNICATIONS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	VINCI	5,832.0
2	GRUPO ACS/HOCHTIEF	4,129.6
3	BOUYGUES	913.0
4	SKANSKA AB	617.9
5	ORASCOM CONSTRUCTION PLC	614.0
6	EXYTE GMBH	416.7
7	FORTIS CONSTRUCTION INC.	326.2
8	KAJIMA CORP.	227.6
9	OBAYASHI CORP.	197.0
10	DPR CONSTRUCTION	167.9
11	CHINA GENERAL TECHNOLOGY (GROUP) HOLDING CO. LTD.	108.5
12	SHIMIZU CORP.	81.7
13	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	70.1
14	STO BUILDING GROUP	70.0
15	CHINA RAILWAY CONSTRUCTION CORP. LTD.	60.0
16	EIFFAGE	60.0
17	COMSA CORPORACIÓN	59.0
18	WEBUILD SPA	49.9
19	BAUER AG	36.0
20	STRABAG SE	31.7
21	CHINA NATIONAL MACHINERY INDUSTRY CORP.	29.4
22	WOOD	27.7
23	GAP INSAAT YATIRIM VE DIS TICARET AS	26.6
24	BECHTEL	25.0
25	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	24.3

MINING		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	2,818.7
2	CHINA RAILWAY GROUP LTD.	1,372.3
3	FLUOR	738.2
4	NORINCO INTERNATIONAL COOPERATION LTD.	482.0
5	CHINA METALLURGICAL GROUP CORP.	341.1
6	WOOD	241.9
7	CHINA RAILWAY CONSTRUCTION CORP. LTD.	173.0
8	YANJIAN GROUP CO. LTD.	168.3
9	CHINA NATIONAL MACHINERY INDUSTRY CORP.	151.2
10	SICHUAN ROAD AND BRIDGE (GROUP) CO. LTD.	133.7
11	CHINA HENAN INT'L COOPERATION GROUP CO. LTD.	116.4
12	YUNNAN CONST. AND INVEST. HOLDING GRP. CO. LTD.	92.7
13	POWER CONSTRUCTION CORP. OF CHINA	55.6
14	CHINA ENERGY ENGINEERING CORP. LTD.	49.2
15	WORLEY LTD.	46.8

PULP & PAPER		
RANK	FIRM	REVENUE (\$ MIL.**)
1	HARBIN ELECTRIC INTERNATIONAL CO. LTD.	160.5
2	ENKA INSAAT VE SANAYI AS	100.3
3	CITIC CONSTRUCTION CO. LTD.	37.3
4	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	25.9
5	WOOD	17.8

Top International Design Firms

TELECOMMUNICATIONS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	142.2
2	LARSEN & TOUBRO LTD.	72.4
3	ARCADIS NV	65.4
4	HDR	54.4
5	STANTEC INC.	53.2
6	AECOM	51.7
7	DORSCH GLOBAL GMBH	49.4
8	RAMBOLL GROUP	46.6
9	ROYAL HASKONINGDHV	45.0
10	BURNS & MCDONNELL	41.5
11	BECHTEL	34.0
12	SIDARA	30.5
13	IPS-INTEGRATED PROJECT SERVICES LLC	20.1
14	SWECO AB	20.0
15	DEERNS	19.1
16	PM GROUP	18.8
17	DREES & SOMMER	18.6
18	MEINHARDT GROUP INTERNATIONAL	16.6
19	JACOBS SOLUTIONS INC.	16.0
20	IDOM	14.7
21	GENSLER	13.6
22	TOWER ENGINEERING PROFESSIONALS	13.0
23	ATKINSRÉALIS	12.5
24	FLUOR	9.2
25	EXYTE GMBH	7.4

MINING		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	478.8
2	FLUOR	294.0
3	HATCH LTD.	270.0
4	WORLEY LTD.	220.8
5	STANTEC INC.	149.7
6	ATKINSRÉALIS	134.5
7	WOOD	63.0
8	TPF SA	40.7
9	AFRY	38.8
10	WALDEMAR S. NELSON AND CO. INC.	38.8
11	ARCADIS NV	35.9
12	TETRA TECH	22.0
13	RAMBOLL GROUP	15.1
14	BARR ENGINEERING CO.	13.3
15	IDOM	13.0

PULP & PAPER		
RANK	FIRM	REVENUE (\$ MIL.**)
1	AFRY	243.7
2	WOOD	32.2
3	WSP GLOBAL INC.	3.9
4	ARCADIS NV	3.5
5	MOTT MACDONALD	2.6

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Top International Contractors

CHEMICALS (NON-PETROLEUM)		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CITIC CONSTRUCTION CO. LTD.	526.7
2	FLUOR	450.7
3	POSCO ECO & CHALLENGE	164.0
4	WEBUILD SPA	109.2
5	EXYTE GMBH	72.3
6	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	57.0
7	HYUNDAI ENGINEERING CO. LTD.	57.0
8	SAMSUNG E&A CO. LTD.	55.5
9	CHINA NATIONAL MACHINERY INDUSTRY CORP.	54.7
10	WOOD	50.3
11	CHINA NUCLEAR ENGINEERING CORP. LTD.	49.6
12	BAUER AG	27.6
13	CHINA TRIUMPH INTERNATIONAL ENGINEERING CO. LTD.	27.4
14	QINGJIAN GROUP CO. LTD.	21.8
15	SKANSKA AB	16.1
16	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	11.5
17	ATKINSRÉALIS	10.3
18	OBAYASHI CORP.	8.0
19	WEIHAI INTERNATIONAL ECONOMIC & TECHNICAL COOPERATIVE CO. LTD.	7.2
20	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	6.7

Top International Design Firms

CHEMICALS (NON-PETROLEUM)		
RANK	FIRM	REVENUE (\$ MIL.**)
1	FLUOR	150.4
2	WORLEY LTD.	69.6
3	WSP GLOBAL INC.	55.4
4	CHINA TRIUMPH INTERNATIONAL ENGINEERING CO. LTD.	50.9
5	AFRY	46.8
6	RAMBOLL GROUP	38.3
7	BILFINGER ENGINEERING	37.7
8	LARSEN & TOUBRO LTD.	26.6
9	JACOBS SOLUTIONS INC.	14.7
10	MOTT MACDONALD	11.5
11	IDOM	11.0
12	ATKINSRÉALIS	9.1
13	EXP	8.7
14	EXYTE GMBH	7.1
15	ARCADIS NV	6.5
16	STANTEC INC.	6.4
17	HARGROVE ENGINEERS & CONSTRUCTORS	4.1
18	SIDARA	4.1
19	SAMSUNG E&A CO. LTD.	2.9
20	JENSEN HUGHES	2.9

DATA CENTERS & WEB HOTELS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	3,479.5
2	SKANSKA AB	617.9
3	EXYTE GMBH	416.7
4	KAJIMA CORP.	227.4
5	OBAYASHI CORP.	197.0
6	DPR CONSTRUCTION	167.9
7	SHIMIZU CORP.	79.0
8	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	70.1
9	STO BUILDING GROUP	70.0
10	WEBUILD SPA	49.9
11	CHINA NATIONAL MACHINERY INDUSTRY CORP.	29.4
12	WOOD	27.7
13	FLUOR	21.0
14	WALBRIDGE	11.4
15	CHINA RAILWAY CONSTRUCTION CORP. LTD.	5.0

DATA CENTERS & WEB HOTELS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	133.4
2	ARCADIS NV	61.6
3	HDR	54.4
4	AECOM	50.2
5	DORSCH GLOBAL GMBH	49.4
6	STANTEC INC.	48.5
7	ROYAL HASKONINGDHV	44.6
8	BURNS & MCDONNELL	41.5
9	RAMBOLL GROUP	36.0
10	LARSEN & TOUBRO LTD.	30.9
11	SIDARA	21.4
12	IPS-INTEGRATED PROJECT SERVICES LLC	20.1
13	DEERNS	19.1
14	PM GROUP	18.8
15	DREES & SOMMER	18.6

FOOD & BEVERAGES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ALBERICI-FLINTCO	462.1
2	GILBANE BUILDING CO.	176.9
3	KAJIMA CORP.	158.0
4	HASKELL	61.6
5	DENNIS GROUP	41.4
6	CHINA NATIONAL MACHINERY INDUSTRY CORP.	34.7
7	OBAYASHI CORP.	30.0
8	SINOMA INTERNATIONAL ENGINEERING CO. LTD.	18.9
9	SHIMIZU CORP.	17.6
10	ZHENGTAI GROUP CO. LTD.	10.4

FOOD & BEVERAGES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	AFRY	44.5
2	LARSEN & TOUBRO LTD.	40.0
3	HASKELL	19.6
4	PM GROUP	18.7
5	DENNIS GROUP	17.8
6	STANTEC INC.	14.8
7	SALAS O'BRIEN	14.5
8	WSP GLOBAL INC.	13.5
9	ATKINSRÉALIS	11.8
10	KAJIMA CORP.	8.7

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Top International Contractors

SEMICONDUCTOR		
RANK	FIRM	REVENUE (\$ MIL.**)
1	EXYTE GMBH	5,252.0
2	HOFFMAN CONSTRUCTION	1,670.0
3	SKANSKA AB	601.4
4	CTCI CORP.	533.3
5	PER AARSLEFF HOLDING A/S	469.5

ELECTRONIC ASSEMBLY		
RANK	FIRM	REVENUE (\$ MIL.**)
1	SAMSUNG E&A CO. LTD.	1,227.8
2	GS ENGINEERING & CONSTRUCTION	451.7
3	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	220.3
4	OBAYASHI CORP.	103.0
5	KAJIMA CORP.	87.3

AEROSPACE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	118.2
2	SENER GRUPO DE INGENIERÍA SA	101.7
3	SKANSKA AB	67.8
4	HASKELL	27.3
5	BAUER AG	16.0

TRANSMISSION LINES & CABLING		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	640.6
2	CHINA GENERAL TECHNOLOGY (GROUP) HOLDING CO. LTD.	108.5
3	CHINA RAILWAY CONSTRUCTION CORP. LTD.	55.0
4	GAP INSAAT YATIRIM VE DIS TICARET AS	26.6
5	CHINA PETROLEUM ENGINEERING CO. LTD.	23.5

TOWERS & ANTENNAE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	BAUER AG	25.2
2	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	24.1
3	GILBANE BUILDING CO.	17.9
4	ECC	4.2
5	SENER GRUPO DE INGENIERÍA SA	3.5

Top International Design Firms

SEMICONDUCTOR		
RANK	FIRM	REVENUE (\$ MIL.**)
1	EXYTE GMBH	252.5
2	ARCADIS NV	136.5
3	JACOBS SOLUTIONS INC.	109.5
4	DREES & SOMMER	52.9
5	SAMOO ARCHITECTS & ENGINEERS	52.2

ELECTRONIC ASSEMBLY		
RANK	FIRM	REVENUE (\$ MIL.**)
1	LARSEN & TOUBRO LTD.	146.6
2	SAMSUNG E&A CO. LTD.	71.4
3	STANTEC INC.	31.2
4	ATKINSRÉALIS	22.4
5	ARCADIS NV	18.0

AEROSPACE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	LARSEN & TOUBRO LTD.	58.1
2	ATKINSRÉALIS	40.3
3	EGIS GROUP	15.0
4	EXP	14.7
5	KAJIMA CORP.	11.6

TRANSMISSION LINES & CABLING		
RANK	FIRM	REVENUE (\$ MIL.**)
1	LARSEN & TOUBRO LTD.	12.9
2	SIDARA	8.8
3	WSP GLOBAL INC.	7.1
4	STANTEC INC.	4.7
5	ARCADIS NV	3.8

TOWERS & ANTENNAE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	LARSEN & TOUBRO LTD.	28.5
2	RAMBOLL GROUP	10.6
3	MORRISON HERSHFIELD	2.4
4	ARTELIA	2.2
5	EMPRESARIOS AGRUPADOS INTERNACIONAL SA	0.5

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2024 Global Sourcebook Directory

Australia

Aurecon

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+61 3 9975 3000
www.aurecongroup.com

GHD

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Sydney, NSW 2000
Australia
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Meinhardt Group International

Level 12, 501 Swanston St.
Melbourne, VIC 3000
Australia
Omar Shahzad, Group CEO
61 3 8676 1200
www.meinhardtgroup.com

Worley Ltd.

Level 19, 420 George Street
Sydney, NSW 2000
Australia
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www.worley.com

Austria

ILF Consulting Engineers

Feldkreuzstrasse 3
Rum, Austria 6063
Austria
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PORR AG

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Vienna, 1100
Austria
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www.porr-group.com

STRABAG SE

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Vienna, Vienna 1220
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www.strabag.com

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Manama,, Manama, P.O. Box 18699,
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00973 175 80 758
www.sshic.com

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TPF SA

AVENUE DE HAVESKERCKE 46
BRUSSELS, BELGIUM B-1190
Belgium
Thomas Spitaels, CEO
3223701970
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tractebel-engie.com/en

- This directory contains firms ranked on one or more of the Global Sourcebook lists, the Top 225 International Designs Firms and the Top 250 International Contractors list.

2024 Global Sourcebook Directory

Canada

Aecon Group Inc.

John Nottage
Toronto, Ontario M9W 7K6
Canada
Jean-Louis Servranckx, President and Chief Executive Officer
Aecon.com

AtkinsRéalis

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Montreal, Quebec H2Z 1Z3
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+1(514)393-8000
www.atkinsrealis.com

EllisDon Corp.

1004 Middlegate Rd
Mississauga, Ontario L4Y1M4
Canada
Kieran Hawe, CEO & President
905-896-8900
www.ellisdon.com

Graham

10840 27 Street SE
Calgary, Alberta T2Z 3R6
Canada
Andy Trewick, President & CEO
403.570.5000
grahambuilds.com

Hatch Ltd.

2800 Speakman Drive
Mississauga, Ontario L5K 2R7
Canada
J Bianchini, CEO & President
905-855-7600
www.hatch.com

Stantec Inc.

Suite 300, 10220 - 103 Ave NW
Edmonton, Alberta T5J 0K4

Canada
Gord Johnston, President and CEO
9499236000
www.stantec.com

WSP Global Inc.

1600 René-Lévesque Blvd. W., 18th Floor
Montreal, Quebec H3H1P9
Canada
Alexandre L'Heureux, President & CEO
www.wsp.com

Chile

SalfaCorp SA

Avenida Presidente Riesco 5335, 11th Floor, Las Condes
Santiago, Región Metropolitana 7561127
Chile
Jorge Meruane Boza, Corporate Chief Executive Officer
56 2 2902 0000
www.salfacorp.com

China

Anhui Construction Engineering Group Co. Ltd.

No.459, Huangshan Road
Hefei, Anhui Province 230001
China
Li Yougui, General Manager
86-18356081330
www.aceg.com.cn

Beijing Construction Engineering Group Co. Ltd.

No.1 Guanglian Road, Xicheng District
Beijing, Beijing, People's Republic of China 100055
China
Mr. Fan Jun, Charirman of the Board
0086-10-63927194
bcegi.bcegc.com

Beijing Institute of Architectural Design

No.62 South Lishi Road, Xicheng District, Beijing
China

- This directory contains firms ranked on one or more of the Global Sourcebook lists, the Top 225 International Designs Firms and the Top 250 International Contractors list.

2024 Global Sourcebook Directory

Beijing, 100045
China
Xiexin, Vice-General Manager
86-010-88021572
www.biad.com.cn

Beijing Urban Construction Group Co. Ltd.
No. 18, Beitapingzhuang Road, Haidian District
Beijing, Beijing 100088
China
CHANG Yongchun, CEO
8610-62091551
www.bucg.com

CCDI Group
10th Floor, E Building, Hongqiao World Center
Shanghai, 200438
China
Mr. Shan Zengliang, CEO
86-021-60403166
www.ccdi.com.cn

CGCOC Group Co. Ltd.
No.A09, No.33 Kehui Rd, Chaoyang District, Beijing
Beijing, Beijing 100101
China
Lan, Meizhong, Mr. President
0086-10-84373655
www.cgcoc.com.cn

China 15th Metallurgical Construction Group Co. Ltd.
788 Gaoxin Avenue, Wuhan, Hubei Province
Whuan, Hubei 430075
China
Liang Lei, Legal Representative, Chairman of the Board, Secretary of the Party Committee
0086-27-51015600
www.cn15mcc.com

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Calik Enerji Sanayi ve Ticaret AS

ESENTEPE MAH. BUYUKDERE CAD. NO. 163

ISTANBUL, 34394

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Cengiz Construction Industry & Trade Co. Inc.

Altunizade Mah. Kısıklı Cad. No:37 Uskudar

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Halkalı Merkez Mah. Basın Ekspres Cad. Capital
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Adam R. Jelen, President and CEO
401-456-5800
www.gilbaneco.com

Goettsch Partners
224 South Michigan Avenue, Floor 17
Chicago, Illinois 60604
U.S.A.
James Zheng, CEO and President
312.356.0600
www.gpchicago.com

Gresham Smith
222 Second Avenue South, Suite 1400
Nashville, Tennessee 37201-2308
U.S.A.
Rodney Chester, Chief Executive Officer & Board
Chair
615-770-8100
www.greshamsmith.com

Hargrove Engineers & Constructors
20 S Royal St.
Mobile, Alabama 36602
U.S.A.
Ralph A. Hargrove, President & CEO
(251) 476-0605
hargrove-epc.com

Hart Howerton
10 East 40th Street, 39th Floor
New York, New York 10016
U.S.A.
Jim Tinson, FAIA, Chief Executive Officer
212.683.5631
www.harthrowerton.com

Haskell
111 Riverside Ave.
Jacksonville, Florida 32202

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U.S.A.

Jim O'Leary, Chairman, CEO and President
904-791-4500
haskell.com

Hatch Associates Consultants Inc.

375 North Shore Drive
Pittsburgh, Pennsylvania 15212
U.S.A.
John Bianchini, Chairman of the Board
412-497-2000
www.Hatch.com

HDR

1917 S 67 Street
Omaha, Nebraska 68106
U.S.A.
John W. Henderson, PE, Vice Chairman and Chief
Executive Officer
402-399-1000
www.hdrinc.com

Herzog

600 S. Riverside Rd
St. Joseph, Missouri 64507
U.S.A.
Brad Lager, President/CEO
816-233-9001
WWW.HERZOG.COM

HKS

350 North Saint Paul, Suite 100
Dallas, Texas
U.S.A.
Dan Noble, Chairman & CEO
214-969-5599
www.hksinc.com

Hoffman Construction

805 SW Broadway, Suite 2100
Portland, Oregon 97205
U.S.A.
Dave Drinkward, CEO

503-221-8871
www.hoffmancorp.com

HOK

5 Bryant Pk 6th floor
New York, New York 10018
U.S.A.
Susan Williams, CEO
(212) 741-1200
www.hok.com

Intertek-PSI

545 E. Algonquin Rd.
Arlington Heights, Illinois 60005
U.S.A.
Carlos Velasco, President
847-871-1020
www.intertek.com

IPS-Integrated Project Services LLC

721 Arbor Way, Suite 100
Blue Bell, Pennsylvania 19422
U.S.A.
Jim Stephanou, CEO, IPS Life Sciences
610-828-4090
www.ipsdb.com

Jacobs Solutions Inc.

1999 Bryan Street
Dallas, Texas 75201
U.S.A.
Robert V. Pragada, Chief Executive Officer and
Director
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www.jacobs.com

Jensen Hughes

3610 Commerce Drive, Suite 817
Baltimore, Maryland 21227
U.S.A.
Raj Arora, Chief Executive Officer
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www.jensenhughes.com

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Jingoli - DCO

100 Lenox Drive, Suite 100
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Joseph R. Jingoli, Jr., CEO
609-896-3111
www.jingoli.com

JLL

200 E Randolph St
Chicago, Illinois 60601
U.S.A.
Christian Ulbrich, CEO
312-228-2500
www.jll.com

Kiewit Corp.

1550 Mike Fahey St
Omaha, Nebraska 68105
U.S.A.
Rick Lanoha, President and CEO
402-342-2052
kiewit.com

Kimley-Horn

421 Fayetteville Street, Suite 600
Raleigh, North Carolina 27601
U.S.A.
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919-677-2000
www.kimley-horn.com

Kleinfelder

770 First Avenue, Suite 400
San Diego, California 92101
U.S.A.
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619-831-4600
www.Kleinfelder.com

Kohn Pedersen Fox

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New York, New York 11036
U.S.A.

James von Klemperer, President and Design Principal
212 977 6500
www.kpf.com

Langan

300 Kimball Drive, 4th Floor
Parsippany, New Jersey 7054
U.S.A.
David T. Gockel, President/CEO
9735604900
www.langan.com

Leidos

1750 Presidents Street
Reston, Virginia 20190
U.S.A.
Thomas Bell, Chief Executive Officer
312.605.4365
www.leidos.com

LEO A DALY

8600 Indian Hills Drive
Omaha, Nebraska 68114
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Steven A Lichtenberger, AIA, NCARB, LEED AP,
President
www.leoadaly.com

M3 Engineering and Technology Corp.

2051 W Sunset Rd Suite 101
Tucson, Arizona 85704
U.S.A.
Alberto Bennett, CEO, President
5202931488
m3eng.com

MasTec Inc.

800 S Douglas
Coral Gables, Florida 33134
U.S.A.
Jose Mas, Chief Executive Officer
3054476459
www.mastec.com

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Matrix Service Co.

15 E. 5th St., Ste. 1100
Tulsa, Oklahoma 74103
U.S.A.
John R. Hewitt, President and Chief Executive Officer
866-367-6879
www.matrixservicecompany.com

McDermott International

915 Eldridge Parkway
Houston, Texas 77079
U.S.A.
Michael McKelvy, President and Chief Executive Officer
2815886600
www.mcdermott.com

ME Engineers

14143 Denver West Pkwy, Suite 300
Golden, Colorado 80401
U.S.A.
Jeff Sawarynski, Senior Principal, Co-CEO
3034216655
www.me-engineers.com

Merrick & Co.

5970 Greenwood Plaza Blvd
Greenwood Village, Colorado 80111
U.S.A.
Christopher Sherry, Chairman & CEO
303-751-0741
www.merrick.com

MG2

1101 2nd Ave #100
Seattle, Washington 98101
U.S.A.
Mitch Smith, CEO
(206) 962-6500
www.MG2.com

Michael Baker International

500 Grant Street Ste 5400
Pittsburgh, Pennsylvania 15219

U.S.A.

Brian A. Lutes, Chief Executive Officer
412-918-4000
mbakerintl.com

Michels Corp.

817 Main Street
Brownsville, Wisconsin 53006
U.S.A.
Patrick D. Michels, President & CEO
920-583-3132
www.michels.us

Miyamoto International

1450 Halyard Drive, Suit One
West Sacramento, California 95691
U.S.A.
Kit Miyamoto, CEO
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miyamotointernational.com

Moffatt & Nichol

4225 East Conant Street
Long Beach, California 90808
U.S.A.
Eric Nichol, President/Chief Executive Officer
562.590.6500
www.moffattnichol.com

Morrison Hershfield

1455 Lincoln Pkwy, Suite 500
Atlanta, Georgia 30346
U.S.A.
Anthony Karakatsanis, President and CEO
4164993110 Ext1011814
morrisonhershfield.com

MWH

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Broomfield, Colorado 80021
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www.mwhconstructors.com

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2024 Global Sourcebook Directory

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223 Yale Ave N
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NORR

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U.S.A.
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NV5 Global Inc.

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Orion Group Holdings

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Otak Inc.

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Page

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Parsons Corp.

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Chantilly, Virginia 20151
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www.parsons.com

PCL Construction

2000 South Colorado Blvd Suite 2-500
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U.S.A.
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303-365-6500
pcl.com

Perkins Eastman

115 Fifth Avenue
New York, New York 10003
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www.perkinseastman.com

Pond and Co.

3500 Parkway Lane, Suite 500
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U.S.A.
Bob Williams, CEO
678.336.7740
pondco.com

Populous

4800 Main St Suite 300
Kansas City , Missouri 64112
U.S.A.
Bruce Miller, Senior Principal, Managing Director- Americas

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2024 Global Sourcebook Directory

(816)221-1500
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POWER Engineers Inc.

3940 Glenbrook Drive
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www.powereng.com

RailWorks

5 Penn Plaza
New York, New York 10001
U.S.A.
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866-905-7245
www.railworks.com

Rebel Design+Group

2554 Lincoln Blvd, Suite 725
Marina Del Rey, California 90292
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Douglas DeBoer, Founder / CO
800.92.REBEL
www.rebeldesign.com

Robert A.M. Stern Architects

1 Park Ave
New York, New York 10016
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Lisa Matkovic, Chief Executive Officer
212-967-5100
www.ramsa.com

Roncelli Inc.

6471 Metro Parkway
Sterling Heights, Michigan 48312
U.S.A.
Gino Roncelli, President/COO
586-264-7067
www.roncelli-inc.com

Salas O'Brien

8825 Research Drive
Irvine, California 92618
U.S.A.
Darin Anderson, Chairman & CEO
salasobrien.com

Sargent & Lundy

55 East Monroe
Chicago, Illinois 60606
U.S.A.
Victor Suchodolski, Chairman, President & CEO
312-269-2000
www.sargentlundy.com

Skidmore Owings & Merrill

7 World Trade Center, 250 Greenwich Street
New York, New York 10007
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Laura Ettelman, Xuan Fu, Carrie Byles, Executive
Committee
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www.som.com

Southland Holdings

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www.southlandholdings.com

SSOE Group

1001 Madison Avenue
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www.ssoe.com

Stanley Consultants

225 Iowa Ave
Muscatine, Iowa 52778
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2024 Global Sourcebook Directory

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303-925-8324

STO Building Group

330 West 34th Street
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U.S.A.

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212-481-6100
www.stobuildinggroup.com

STUDIOS architecture

1625 M Street NW
Washington, District of Columbia 20036
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Marc Pfenninger, Principal, CEO
212 431 4512
www.studios.com

STV

20 W 34th Street, 10th Floor
New York, New York 10001
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212.777.4400
www.stvinc.com

T N Ward Co.

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Ardmore, Pennsylvania 19003
U.S.A.

David Panichi, CEO
610-649-0400
www.tnward.com

Tetra Tech

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Pasadena, California 91107
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The Walsh Group

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U.S.A.
Matt Walsh, Co-Chairman
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Thornton Tomasetti

120 Broadway
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U.S.A.
Michael Squarzini & Peter DiMaggio, Co-CEO
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www.thorntontomasetti.com

Tower Engineering Professionals

326 Tryon Road
Raleigh, North Carolina 27603
U.S.A.
Andrew Haldane, CEO
919-661-6351
www.tepgroup.net

Traylor Construction Group Inc.

835 N. CONGRESS AVE.
EVANSVILLE, Indiana 47715
U.S.A.
Christopher S. Traylor, Co-President
812-477-1542
www.traylor.com

TRC Cos. Inc.

21 Griffin Rd N
Windsor, Connecticut 6095
U.S.A.
Christopher P. Vincze, Chairman and CEO
860-295-4161
www.trccompanies.com

Tutor Perini Corp.

15901 Olden St.
Sylmar, California 91342
U.S.A.

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2024 Global Sourcebook Directory

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United Engineers & Constructors Inc.

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Walbridge

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Detroit, Michigan 48226
U.S.A.
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313-963-8000
www.walbridge.com

Waldemar S. Nelson and Co. Inc.

1200 St. Charles Ave.
New Orleans, Louisiana 70130
U.S.A.
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504-523-5281
www.wsnelson.com

Ware Malcomb

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Irvine, California 92618
U.S.A.
Ken Wink, CEO
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www.waremalcomb.com

Woolpert Inc.

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Dayton, Ohio 45430
U.S.A.
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www.woolpert.com

United Arab Emirates

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www.suweidi.com

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ENR's 20-city average cost indexes, wages and materials prices. Historical data for ENR's 20 cities can be found at [ENR.com/economics](https://enr.com/economics)

Construction Cost Index

+0.9%

ANNUAL INFLATION RATE

DEC. 2024

1913=100	INDEX VALUE	MONTH	YEAR
CONSTRUCTION COST	13632.41	0.0%	+0.9%
COMMON LABOR	25538.95	0.0%	+0.5%
WAGE \$/HR.	48.52	0.0%	+0.5%

Building Cost Index

+1.6%

ANNUAL INFLATION RATE

DEC. 2024

1913=100	INDEX VALUE	MONTH	YEAR
BUILDING COST	8407.35	0.0%	+1.6%
SKILLED LABOR	11811.41	+0.1%	+1.5%
WAGE \$/HR.	65.55	+0.1%	+1.5%

The Building Cost Index was up 1.6% on an annual basis, while the monthly component showed no change.

Materials Cost Index

0.0%

MONTHLY INFLATION RATE

DEC. 2024

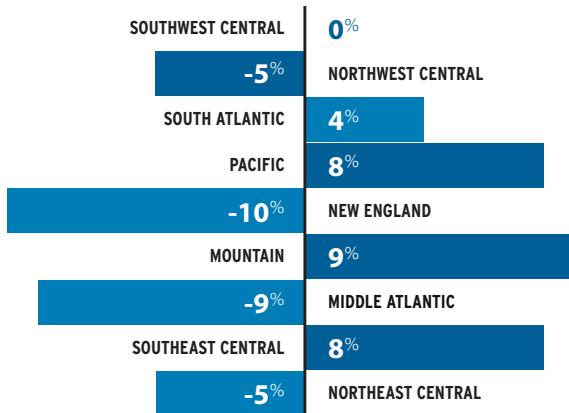
1913=100	INDEX VALUE	MONTH	YEAR
MATERIALS COST	6334.86	0.0%	+3.0%
CEMENT \$/TON	279.09	-4.3%	+31.8%
STEEL \$/CWT	110.26	+1.1%	+11.2%
LUMBER \$/MBF	875.40	-0.8%	-18.4%

The Materials Cost Index held steady this month, while the annual escalation rate increased 3%.

The Construction Cost Index's annual escalation rose 0.9%, while the monthly component stayed flat.

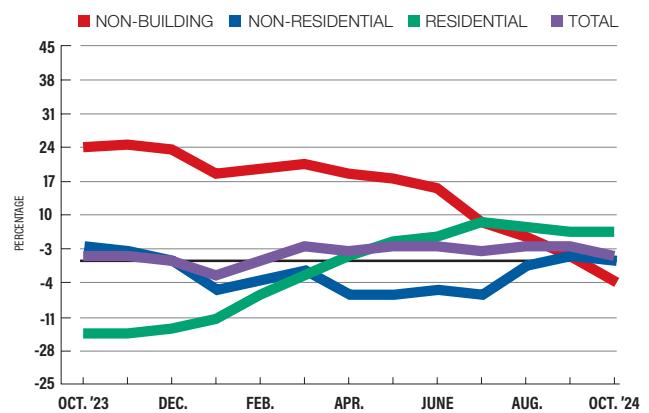
Construction Starts Regional growth trends vs. national trends

SOUTHEAST CENTRAL STARTS UP 8%



SOURCE: DODGE CONSTRUCTION NETWORK. YEAR-TO-YEAR PERCENT CHANGE IN VALUE OF TOTAL PROJECTS STARTED MAY 2023 FOR 12-MONTH ROLLING TOTALS.

NON-BUILDING STARTS DECLINE



SOURCE: DODGE CONSTRUCTION NETWORK. YEAR-TO-YEAR PERCENT CHANGE FOR 12-MONTH ROLLING NATIONAL TOTAL STARTS.

The total dollar value of new construction starts in Wyoming in September was 33.4% below September 2023's level, according to Dodge Construction Network. The residential sector rose 7.4%, while non-residential rose 58.1%. Non-building new starts decreased 66% in the same time period.

WYOMING CONSTRUCTION STARTS: \$/MIL.

	2024 SEP.	2024 AUG.	2023 SEP.	% CHG. MONTH	% CHG. YEAR
TOTAL CONSTRUCTION	3,181,043	2,912,878	4,773,762	+9.2	-33.4
NON-RESIDENTIAL	1,353,332	545,562	856,035	+148.1	+58.1
STORES, SHOPPING CENTERS	18,385	18,982	25,961	-3.1	-29.2
OFFICE, BANK BUILDINGS	810,923	10,923	12,527	+7324.0	+6373.4
HOTELS, MOTELS	17,140	17,140	5,967	0.0	+187.2
OTHER COMMERCIAL	71,595	68,219	155,387	+4.9	-53.9
MANUFACTURING BUILDINGS	85,624	85,624	17,305	0.0	+394.8
EDUCATIONAL BUILDINGS	59,771	82,928	108,275	-27.9	-44.8
HEALTH CARE FACILITIES	55,882	24,989	129,675	+123.6	-56.9
OTHER INSTITUTIONAL	234,012	236,757	400,938	-1.2	-41.6
RESIDENTIAL	725,616	734,482	675,355	-1.2	+7.4
NON-BUILDING	1,102,095	1,632,834	3,242,372	-32.5	-66.0
HIGHWAYS, BRIDGES	461,975	466,873	577,691	-1.0	-20.0
ENVIRONMENTAL PUBLIC WORKS	218,005	218,068	192,964	0.0	+13.0
POWER, UTILITIES	338,016	862,908	2,291,018	-60.8	-85.2

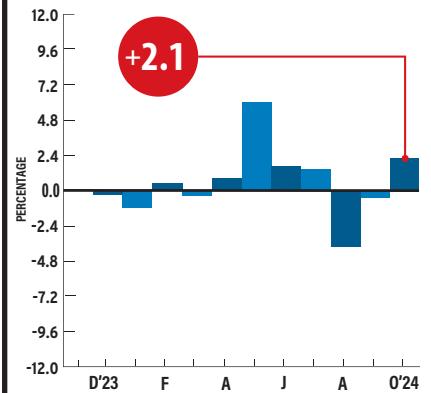
SOURCE: DODGE CONSTRUCTION NETWORK STARTS. TOTALS MAY NOT ADD UP DUE TO EXCLUSION OF OTHER CATEGORIES. 12-MONTH ROLLING TOTALS FOR WYOMING.

The price for aluminum sheet increased **2.1% in October**, after falling **0.5% in September**, according to the Bureau of Labor Statistics' producer price index. The annual index sits at 6.5% in October, up from 3.9% the previous month. ENR's 20-city average monthly price for hot-rolled carbon-steel plate experienced a 0.3% increase in monthly prices in December, while yearly prices rose 2.9%. Prices for all types of stainless-steel sheet experienced both monthly and yearly decreases in December, according to ENR's data.

PRODUCER PRICE INDEX

ALUMINUM SHEET

Monthly Percent Change



SOURCE: BUREAU OF LABOR STATISTICS

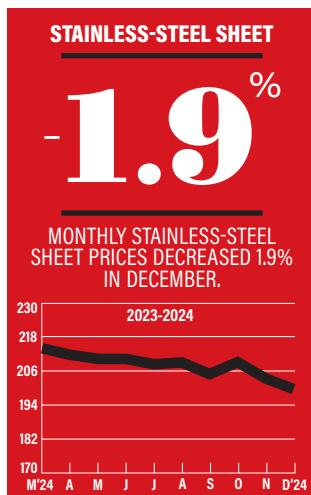
ENR's Materials Prices For December 2024



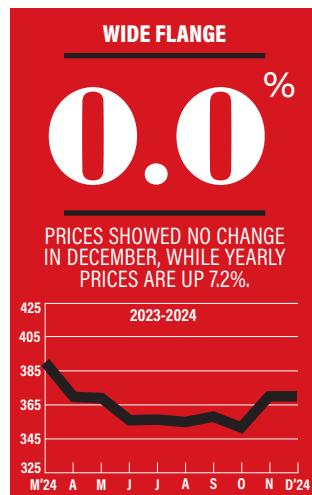
1992=100



1992=100



1992=100



1992=100

20-CITY AVERAGE

ITEM	UNIT	\$PRICE	%MONTH	%YEAR
STANDARD STRUCTURAL SHAPES				
Average	CWT	111.87	+1.5	+11.3
Channel beams, 6" Deep, 8.2 LB/LF	CWT	105.57	+4.8	+18.3
I-beams, 6" Deep, 12.5 LB/LF	CWT	122.26	0.0	+9.4
Wide-flange, 8" Deep, 31 LB/LF	CWT	107.80	0.0	+7.2
REINFORCING BARS				
Grade 60, No. 4	CWT	68.91	-16.0	-14.1
HOT-ROLLED CARBON-STEEL PLATE				
12 gauge, 48" x 10'	CWT	96.56	+0.3	+2.9
ALUMINUM SHEET				
3003H14, 36" x 96"	CWT	327.45	0.0	-3.8
STAINLESS-STEEL SHEET				
14 gauge	CWT	273.23	-0.1	-2.7
16 gauge	CWT	277.83	-0.1	-5.4
20 gauge	CWT	283.81	-1.9	-7.2
STAINLESS-STEEL PLATE				
304, 1/4", 72" x 240"	CWT	332.37	0.0	-4.8
316, 1/4", 96" x 140"	CWT	450.06	0.0	+1.9
STEEL PILING (H-PILE)				
HP10 x 42	CWT	82.49	+7.9	+62.9

SOURCE: ENR

PLATTS* STEEL SPOT MARKET PRICES: NOV. 2024

Reinforcing bar, No. 5	TON	722.00	-1.5	-13.4
Plate	TON	894.74	-2.3	-37.4
Hot-rolled coil	TON	696.84	+1.0	-25.3

SOURCE: *PLATTS S&P GLOBAL REBAR SOUTHERN U.S.; PLATE PRICES U.S. SOUTHEAST AVERAGE; HOT-ROLLED COIL PRICES INDIANA.

Structural Steel, Rebar, Building Sheet, Piling For December 2024

City prices reflect quotes from single sources and can be volatile. They are not meant to be the prevailing price for a city. Data are a mix of list and transaction prices and may include ENR estimates. Do not compare prices between locations. Use city information to analyze national trends.

ITEM	UNIT	ATLANTA	BALTIMORE	BIRMINGHAM	BOSTON	CHICAGO	CINCINNATI	CLEVELAND	DALLAS	DENVER	DETROIT
STANDARD STRUCTURAL SHAPES											
AVERAGE	CWT	137	86.52	71.9	157.94	131.8	74.71	74.71	113.33	93.49	84.23
CHANNEL BEAMS, 6" DEEP, 8.2 LB/LF	CWT	121.95	77.15	67.5	141.48	129	67.25	67.25	80	78.39	76.9
I-BEAMS, 6" DEEP, 12.5 LB/LF	CWT	156	97.25	77.5	169.13	93.5	84.95	84.95	170	113.68	98.9
WIDE-FLANGE, 8" DEEP, 31 LB/LF	CWT	133.06	85.15	70.5	163.2	172.9	71.95	71.95	90	88.4	76.9
REINFORCING BARS											
GRADE 60, No. 4	CWT	-90.12	67.35	75	99.18	-72.4	60.22	58.5	65	78.7	+71.4
HOT-ROLLED CARBON-STEEL PLATE											
12 GAUGE, 48" x 10'	CWT	85.57	68.21	85	191.63	60.3	58.14	58.14	155.94	84	59.9
BUILDING SHEET AND PLATE											
ALUM. SHEET, 3003H14, 36" x 96"	CWT	321.36	318.27	466.66	395.84	226	238	238	421.08	328	287
STAINLESS-STEEL SHEET											
14 GAUGE	CWT	221.34	282.19	283.96	352.64	190	172	172	241.07	375	-272
16 GAUGE	CWT	221.33	293.72	283.95	352.78	196	172	172	271.08	353.51	-289
20 GAUGE	CWT	242.64	303.41	290.62	383.99	218	179	179	307.20	288.08	-248
STAINLESS-STEEL PLATE											
304, 1/4", 72" x 240"	CWT	267.95	384.1	459.99	486.15	247.5	184	184	457.78	324	325
316, 1/4", 96" x 140"	CWT	432.05	540.82	523.44	520.86	247.5	433	433	496.08	499.21	351
STEEL PILING: H-PILE											
HP10 x 42	CWT	81.9	93	71.76	106	122	+91.98	+91.98	38.19	88	69.9

ITEM	UNIT	KANSAS CITY	LOS ANGELES	MINNEAPOLIS	NEW ORLEANS	NEW YORK	PHILADELPHIA	PITTSBURGH	ST. LOUIS	SAN FRANCISCO	SEATTLE
STANDARD STRUCTURAL SHAPES											
AVERAGE	CWT	92.58	162	165.33	128.33	116.27	99.48	86.52	+77.02	150	134.33
CHANNEL BEAMS, 6" DEEP, 8.2 LB/LF	CWT	139.62	162	135	105	93.37	86.41	77.15	+145.97	130	130
I-BEAMS, 6" DEEP, 12.5 LB/LF	CWT	75.13	162	200	130	130.07	111.72	97.25	43.1	190	160
WIDE-FLANGE, 8" DEEP, 31 LB/LF	CWT	63	162	161	150	125.38	100.3	85.15	42	130	113
REINFORCING BARS											
GRADE 60, No. 4	CWT	49.87	+72.4	-46.6	85	61.15	61.15	67.35	75.75	-55	-66.45
HOT-ROLLED CARBON-STEEL PLATE											
12 GAUGE, 48" x 10'	CWT	45	180	117	81	+126	167.88	68.21	40.9	141	55.19
BUILDING SHEET AND PLATE											
ALUM. SHEET, 3003H14, 36" x 96"	CWT	333.23	372	244	331	428.63	464.2	318.27	227.38	310	280
STAINLESS-STEEL SHEET											
14 GAUGE	CWT	416.13	456	192	365	300.48	234.07	282.19	260.52	206	190
16 GAUGE	CWT	415.38	456	193	350	292.95	270.54	293.72	285.57	204	190
20 GAUGE	CWT	394.12	456	228	340	289.61	280.17	303.41	308.95	223	213
STAINLESS-STEEL PLATE											
304, 1/4", 72" x 240"	CWT	378.29	467.5	259	305	439.34	348.6	384.1	330.18	190	225
316, 1/4", 96" x 140"	CWT	490	478.5	505	300	465.31	434.87	482.82	633.68	358	376
STEEL PILING: H-PILE											
HP10 x 42	CWT	98.5	76.5	30.56	120	77.2	82.7	93	91	34.6	91

+ OR - DENOTES PRICE HAS RISEN OR FALLEN SINCE PREVIOUS REPORT. ALL PRICES ARE FOR WAREHOUSE OR CITY. STAINLESS-STEEL SHEET PRICES ARE FOR TYPE 304, 2B FINISH, 48 X 120-IN. STEEL PILES ARE HIGH-STRENGTH A572. SOME PRICES MAY INCLUDE TAXES OR DISCOUNTS. PRODUCT SPECIFICATIONS MAY VARY DEPENDING ON WHAT IS MOST COMMONLY USED OR MOST ACCESSIBLE IN A CITY. QUANTITIES ARE GENERALLY TRUCKLOADS.