

ENR THE GLOBAL SOURCEBOOK

Big-Picture Challenges Are Changing Project Priorities

As world leaders look to address the growing urgency of an energy transition, climate change and decarbonization goals, Top 225 International Design Firms say resilient design is a bigger priority for projects.

“We know that resilience continues to be a key request for our global teams,” says Stantec President and CEO Gord Johnston. “This includes prevention and recovery-related services that are tied to extreme weather events.”

With an uptick in conversations around design resilience, firms are also looking to grow their teams to meet service demands. At Dewan Architects + Engineers, CEO Ammar Al Assam says that climate resilience has always been a part of the firm’s portfolio.

Still, a greater awareness of environmental and energy-specific ratings systems have changed the depth of the firm’s work. “More regulations are still needed for widespread effectiveness,” he adds.

As climate change effects compound on a global scale, “construction faces a pivotal moment,” says Surbana Jurong Group CEO Sean Chiao.

“Rising temperatures threaten essential materials such as concrete and steel during transit, prompting an urgent need for innovative solutions,” he points out. “Embracing the call to ‘build back better,’ the



FLOATING Eiffage is part of the consortium working on the floating LNG terminal portion of the Greater Tortue Ahmeyim project off the West African coast.

construction industry is ushering in a new era of sustainable design and engineering.”

Last year, Top 225 company revenue increased 8.8%, to \$73.6 billion, with median revenue going up about 1.82% to \$48.7 million. Nearly three-quarters of the 213 design firms that filed last year reported an increase in revenue from 2022 to 2023. Among the 185 companies that provided backlog data, 74.1% said the results were higher than what they reported on the previous list—rising from the 68.9% that reported an increase from 2021 to 2022.

Revenue numbers for Top 250 International Contractors also increased last year. Their home country revenue rose 7.7% to \$428.5 billion—despite a challenging storm of inflation, skilled labor shortages and supply chain gaps. Amid severe winds of change, firms say backlogs are steady thanks to relationships they have cultivated overseas.

In a market plagued by uncertainty, having established local relationships abroad can be a competitive edge, says M. Engin Günindi, director of business development at FEKA İnşaat ve Sanayi Ticaret A.Ş. For many contractors, those relationships begin in their home countries.

“Providing solutions that ensure the functionality of the project without compromising quality or technical requirements, and striving to achieve the utmost effort within contract boundaries to satisfy our clients is the best response we can give to the question, ‘Why FEKA?’” he says.

Every market can have its own unique entrance parameters, so contractors should be selective, explains

Waleed Lotfy, Petrojet chairman and managing director. “In-depth market study is definitely key in realizing a sustainable and profitable presence

in any new market,” he says, which can include a study of local laws, regulations and culture.

Cultural integration has enabled TAV to expand its airport business, says Chairman M. Sani Şener. “In today’s world, you can transfer capital, goods and know-how between geographies, but you can’t transfer culture,” he says. “You can only integrate cultures, crucial for business success.”

By Emell Adolphus and Jonathan Keller





RECORD BREAKER When completed in 2026, the 650-ft-high Riviera Tower will be the tallest building in Greece.

Athens Tower to Rise 650 ft

\$360-million residential building to include 169 apartments

Bouygues Bâtiment International, a subsidiary of Bouygues Construction, and partner Intrakat, broke ground recently on the Riviera Tower, a \$360-million residential tower in Athens, Greece. When completed in 2026, the 650-ft-high building will be the tallest tower in Greece. The 50-story building will include 169 apartments. Designed by Foster+Partners, the design emphasizes the place of nature within the building itself and in its surrounding area. Buro Happold is the project's structural engineer. The design connects two towers with a spine composed of high-rise gardens and infinity-edge swimming pools alternating on each of the floors.

Seismic resilience is another critical component of the design. Beyond the structural challenges associated with tall buildings, the team is tasked with balancing aesthetic requirements with low-carbon standards. Toward that goal, the team worked with Greek suppliers for a year on new cement and concrete formulations. The project is targeting LEED Gold certification. At its peak, the site will employ 1,000 people. The Riviera Tower is part of an urban regeneration program, known as "the Ellenikon," developed by Lamda Development, which aims to transform the former Athens International Airport site and several adjacent areas used during the 2004 Olympic Games into a showcase for 21st-century Greece. ■

By Bruce Buckley

UNITED KINGDOM

US AIR FORCE INFRASTRUCTURE

Skanska and Black & Veatch signed a contract with the Defence Infrastructure Organisation, acting on behalf of the U.S. Air Force, for the design and construction of a new facility at RAF Molesworth in Cambridgeshire, U.K. Skanska's portion of the contract is valued at \$193 million. Skanska will deliver U.S. Air Force European Infrastructure Consolidation works for the U.S. military based at RAF Molesworth. The work involves construction of a new two-story building along with delivery of supporting infrastructure and a warehouse facility. Design work is currently underway, with construction on site scheduled to begin in the spring of 2024. Completion is expected by the summer of 2028.



GERMANY

Frankfurt Judiciary Center

Hochtief was awarded a PPP contract to expand the Frankfurt am Main judiciary center in Germany. The two new buildings will house several courts, public prosecutors' offices and judicial authorities. Hochtief is scheduled to complete the buildings—with a combined area of 415,000 sq ft—by mid-2027 and subsequently operate them for a period of 30 years. On each building Hochtief will install large-scale photovoltaic systems. The buildings will be supplied with district heating to be fed into the rooms through heating and cooling floors.

AUSTRALIA

Apartment Development

Lendlease and Daiwa House Australia broke ground on a \$650-million build-to-rent apartment development in Melbourne. Lendlease will develop, construct and act as investment manager for the project. The development will include 797 residences in a mix of studio, one-, two- and three-bedroom apartments spanning 45 levels. Residents will have access to amenities and communal spaces including a lap pool, bowling alley, co-working space, virtual sports and game rooms, a cinema, and a gym with spa, sauna and steam rooms. The project is targeting 5 Star Green Star Design & As Built v1.3 rating. Resident occupancy is scheduled for early 2026.

FRANCE

Oncology Innovation Building

Eiffage Construction, a subsidiary of Eiffage, broke ground on a 270,000-sq-ft oncology innovation building for Kadans Science Partner on the Campus Grand Parc in Villejuif, France. Baumschlager Eberle and SAME Architectes started design of the project in July. The design includes three buildings ranging from seven to nine stories high. The future complex will be built on a shared four-story base around a central island, designed to promote interaction and exchanges. The design includes reception halls, a restaurant, multi-use hall and shared terrace. Two basement levels are dedicated to parking. The project is targeting Breeam International Excellent certification, the E+C- Label at E2C1 level and the WiredScore Silver Label.

Top International Contractors

GENERAL BUILDING		
RANK	FIRM	REVENUE (\$ MIL.)*
1	GRUPO ACS/HOCHTIEF	13,584.5
2	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	9,502.2
3	SKANSKA AB	5,621.6
4	BOUYGUES	4,924.0
5	STRABAG SE	4,804.1
6	KAJIMA CORP.	3,241.6
7	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	2,619.7
8	PCL CONSTRUCTION ENTERPRISES	2,353.5
9	OBAYASHI CORP.	2,099.0
10	LENLEASE	2,043.0
11	VINCI	1,758.0
12	CHINA RAILWAY CONSTRUCTION CORP. LTD.	1,645.0
13	EFFAGE	1,540.0
14	BESIX	1,525.6
15	FERROVIAL	1,478.0
16	ORASCOM CONSTRUCTION PLC	1,438.0
17	RENAISSANCE CONSTRUCTION	1,209.0
18	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	1,095.2
19	SHAPOORJI PALLONJI & CO. PRIVATE LTD.	924.8
20	ANT YAPI INDUSTRY & TRADE INC.	840.0
21	PORR AG	825.5
22	CHINA RAILWAY GROUP LTD.	809.4
23	BL HARBERT INTERNATIONAL	798.7
24	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	790.9
25	CHINA METALLURGICAL GROUP CORP.	771.1
26	POWER CONSTRUCTION CORP. OF CHINA	725.4
27	GRAHAM	630.0
28	QINGJIAN GROUP CO. LTD.	611.5
29	STO BUILDING GROUP	563.0
30	LIMAK INSAAT SANAYI VE TICARET AS	558.0
31	WEBUILD SPA	529.5
32	ASLAN YAPI VE TICARET AS	524.7
33	ENKA INSAAT VE SANAYI AS	518.7
34	ESTA INSAAT SANAYI LOJISTIK VE DIS TICARET AS	492.9
35	XPCC CONSTRUCTION & ENGINEERING (GROUP) CO. LTD.	490.7
36	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	465.8
37	PENTA-OCEAN CONSTRUCTION CO. LTD.	440.7
38	ELECTRA LTD.	414.8
39	GS ENGINEERING & CONSTRUCTION	407.9
40	BEIJING CONSTRUCTION ENGINEERING GROUP CO. LTD.	382.7
41	KUZU GROUP	375.0
42	ACCIONA	361.0
43	IMPRESA PIZZAROTTI & C. SPA	359.8
44	SHIMIZU CORP.	352.9
45	CADDELL CONSTRUCTION	347.1
46	YANJIAN GROUP CO. LTD.	337.8
47	ZHONGDING INTERNATIONAL ENGINEERING CO. LTD	337.8
48	TAKENAKA CORP.	330.0
49	MOTA-ENGIL	330.0
50	CHINA NATIONAL MACHINERY INDUSTRY CORP.	309.3

Top International Design Firms

GENERAL BUILDING		
RANK	FIRM	REVENUE (\$ MIL.)*
1	WSP GLOBAL INC.	1,314.6
2	SIDARA	1,129.7
3	ARCADIS NV	1,126.8
4	AECOM	920.6
5	STANTEC INC.	812.8
6	SWECO AB	739.0
7	ARUP GROUP LTD.	696.7
8	ATKINSREALIS	606.9
9	RAMBOLL GROUP A/S	442.1
10	JACOBS SOLUTIONS INC.	353.6
11	TETRA TECH	321.0
12	GENSLER	296.1
13	SURBANA JURONG PRIVATE LTD.	284.0
14	EGIS	240.4
15	AFRY	228.0
16	MEINHARDT GROUP INTERNATIONAL	197.3
17	FUGRO NV	193.2
18	ARTELIA	180.1
19	EXP	162.0
20	COWI A/S	160.8
21	KHATIB & ALAMI	156.2
22	HDR	150.4
23	NIPPON KOEI GROUP	146.2
24	MOTT MACDONALD	146.1
25	PAGE SOUTHERLAND PAGE INC.	144.0
26	GHD	141.4
27	EHAFF CONSULTING ENGINEERS	136.3
28	SKIDMORE OWINGS & MERRILL	113.1
29	AURECON	102.3
30	NORR	94.7
31	POPULOUS	88.1
32	WOOD	84.4
33	HOK	82.7
34	TPF SA	74.2
35	CTI ENGINEERING GROUP	70.1
36	PERKINS EASTMAN	66.3
37	DEWAN ARCHITECTS + ENGINEERS	63.3
38	NKY ARCHITECTS AND ENGINEERS	60.2
39	WORLEY LTD.	59.0
40	KEO INTERNATIONAL CONSULTANTS	58.6
41	SSH	57.6
42	KOHN PEDERSEN FOX	56.5
43	HKS	55.4
44	JENSEN HUGHES	50.4
45	DREES & SOMMER	50.0
46	PARSONS CORP.	48.8
47	ARCHITECTURE & PLANNING GROUP	48.7
48	THORNTON TOMASETTI	46.5
49	BLACK & VEATCH	45.6
50	IDOM	44.7

*BASED ON 2022 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 2022 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	4,119.0
2	SKANSKA AB	1,505.6
3	STO BUILDING GROUP	515.0
4	LENLEASE	509.0
5	OBAYASHI CORP.	481.0
6	CHINA RAILWAY CONSTRUCTION CORP. LTD.	477.0
7	PCL CONSTRUCTION ENTERPRISES	454.8
8	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	450.1
9	KAJIMA CORP.	313.5
10	ENKA INSAAT VE SANAYI AS	168.5
11	PENTA-OCEAN CONSTRUCTION CO. LTD.	161.8
12	SHANGHAI CONSTRUCTION GROUP CO. LTD.	125.5
13	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	116.2
14	SHIMIZU CORP.	105.4
15	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	93.0
16	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	85.0
17	BAUER AG	84.4
18	SACYR	69.9
19	MAPA INSAAT VE TICARET AS	61.6
20	SHENYANG YUANDA ALUMINUM INDUS. ENG'G CO. LTD.	51.7
21	TAISEI CORP.	50.0
22	CHINA METALLURGICAL GROUP CORP.	49.6
23	ELECTRA LTD.	37.2
24	CONSOLIDATED CONTRACTORS GROUP	36.6
25	IMPRESA PIZZAROTTI & C. SPA	34.7

GOVERNMENT OFFICES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	BL HARBERT INTERNATIONAL	790.7
2	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	757.8
3	GRUPO ACS/HOCHTIEF	754.3
4	CHINA RAILWAY GROUP LTD.	601.1
5	PCL CONSTRUCTION ENTERPRISES	423.9
6	CADDELL CONSTRUCTION	347.1
7	CHINA RAILWAY CONSTRUCTION CORP. LTD.	336.0
8	LENLEASE	228.0
9	FLUOR	202.0
10	ENKA INSAAT VE SANAYI AS	154.2
11	SKANSKA AB	145.6
12	PARSONS CORP.	139.5
13	PENTA-OCEAN CONSTRUCTION CO. LTD.	134.8
14	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	121.5
15	DPR CONSTRUCTION	103.4
16	SHANXI CONSTRUCTION INVESTMENT GROUP CO. LTD.	93.5
17	GAP INSAAT YATIRIM VE DIS TICARET AS	93.2
18	YANJIAN GROUP CO. LTD.	76.5
19	TIANYUAN CONSTRUCTION GROUP CO. LTD.	60.0
20	WEBUILD SPA	49.1
21	TEKFEN CONSTRUCTION AND INSTALLATION CO. INC.	48.0
22	PER AARSLEFF HOLDING A/S	46.2
23	OBAYASHI CORP.	45.0
24	ATKINSREALIS	44.6
25	KAJIMA CORP.	42.9

Top International Design Firms

COMMERCIAL OFFICES AND BANKS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	263.0
2	SIDARA	227.0
3	ARCADIS NV	218.8
4	ARUP GROUP LTD.	188.7
5	GENSLER	155.5
6	AECOM	108.1
7	STANTEC INC.	81.0
8	TETRA TECH	65.0
9	SURBANA JURONG PRIVATE LTD.	54.8
10	AFRY	46.6
11	JACOBS SOLUTIONS INC.	38.8
12	RAMBOLL GROUP A/S	36.5
13	MEINHARDT GROUP INTERNATIONAL	33.5
14	ATKINSREALIS	28.3
15	KOHN PEDERSEN FOX	22.8
16	NORR	21.9
17	NIPPON KOEI GROUP	21.1
18	ARTELIA	20.0
19	CTI ENGINEERING GROUP	19.1
20	GRUPO ACS/HOCHTIEF	19.0
21	EXP	18.9
22	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	17.4
23	THORNTON TOMASETTI	16.9
24	HDR	13.8
25	COWI A/S	11.8

GOVERNMENT OFFICES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ATKINSREALIS	268.4
2	WSP GLOBAL INC.	236.7
3	TETRA TECH	175.0
4	AECOM	164.2
5	ARCADIS NV	161.7
6	JACOBS SOLUTIONS INC.	153.7
7	ARUP GROUP LTD.	139.9
8	PAGE SOUTHERLAND PAGE INC.	79.0
9	SIDARA	59.1
10	BLACK & VEATCH	45.6
11	RAMBOLL GROUP A/S	43.8
12	STANTEC INC.	41.4
13	ASSYSTEM	34.0
14	KHATIB & ALAMI	32.9
15	AFRY	25.6
16	EXP	24.5
17	EGIS	21.3
18	STANLEY CONSULTANTS	18.1
19	THORNTON TOMASETTI	15.5
20	HDR	15.3
21	ORIENTAL CONSULTANTS GLOBAL (OCHD)	15.3
22	MOTT MACDONALD	13.5
23	NORR	13.2
24	ECG ENGINEERING CONSULTANTS GROUP SA	12.8
25	SURBANA JURONG PRIVATE LTD.	12.4

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Top International Contractors

EDUCATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	1,467.0
2	SKANSKA AB	1,065.6
3	POWER CONSTRUCTION CORP. OF CHINA	213.9
4	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	139.3
5	PCL CONSTRUCTION ENTERPRISES	138.7
6	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	88.1
7	CHINA NATIONAL MACHINERY INDUSTRY CORP.	82.1
8	WEIHAI INTERNATIONAL ECONOMIC & TECHNICAL COOPERATIVE CO. LTD.	65.8
9	OHLA	58.2
10	KAJIMA CORP.	54.3
11	OBAYASHI CORP.	52.0
12	CHINA RAILWAY CONSTRUCTION CORP. LTD.	42.0
13	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	42.0
14	THE WALSH GROUP	40.0
15	PENTA-OCEAN CONSTRUCTION CO. LTD.	39.8
16	ANHUI CONSTRUCTION ENGINEERING GROUP CO. LTD.	38.5
17	SUMMA TURIZM YATIRIMCILIGI AS	36.0
18	YUNNAN CONST. AND INVEST. HOLDING GRP. CO. LTD.	35.1
19	BEIJING URBAN CONSTRUCTION GROUP CO. LTD.	33.1
20	XPCC CONSTRUCTION & ENGINEERING (GROUP) CO. LTD.	32.6
21	CHINA ENERGY ENGINEERING CORP. LTD.	32.4
22	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	31.5
23	YANJIAN GROUP CO. LTD.	27.1
24	SACYR	26.1
25	JIANGSU PROVINCIAL CONSTRUCTION GROUP CO. LTD.	26.0

MULTI-UNIT RESIDENTIAL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	4,655.8
2	OBAYASHI CORP.	727.0
3	KAJIMA CORP.	712.1
4	SKANSKA AB	700.4
5	QINGJIAN GROUP CO. LTD.	561.4
6	GRUPO ACS/HOCHTIEF	553.2
7	LENDEASE	528.0
8	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	391.0
9	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	389.3
10	GS ENGINEERING & CONSTRUCTION	381.7
11	CHINA RAILWAY CONSTRUCTION CORP. LTD.	374.0
12	LONGXIN CONSTRUCTION GROUP CO. LTD.	296.6
13	CHINA METALLURGICAL GROUP CORP.	278.6
14	LIMAK INSAAT SANAYI VE TICARET AS	258.0
15	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	221.1
16	ZHONGDING INTERNATIONAL ENGINEERING CO. LTD	212.0
17	CHINA RAILWAY GROUP LTD.	208.3
18	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	202.7
19	PCL CONSTRUCTION ENTERPRISES	197.4
20	ESTA INSAAT SANAYI LOJISTIK VE DIS TICARET AS	185.5
21	CHINA NATIONAL MACHINERY INDUSTRY CORP.	172.7
22	JIANGSU TONGZHOU NO.4 CONSTR. GROUP CO. LTD.	165.4
23	YANJIAN GROUP CO. LTD.	161.3
24	MOHAMMED ABDULMOHSIN AL-KHARAFI & SONS	138.0
25	WEBUILD SPA	133.2

Top International Design Firms

EDUCATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	SIDARA	169.6
2	WSP GLOBAL INC.	121.2
3	STANTEC INC.	83.2
4	ATKINSREALIS	78.6
5	ARUP GROUP LTD.	65.1
6	ARCADIS NV	65.1
7	RAMBOLL GROUP A/S	46.8
8	AECOM	42.8
9	MOTT MACDONALD	27.6
10	EXP	24.5
11	SURBANA JURONG PRIVATE LTD.	18.4
12	AFRY	16.4
13	ARABTECH JARDANEH	16.0
14	TPF SA	15.9
15	MEINHARDT GROUP INTERNATIONAL	15.8
16	NIPPON KOEI GROUP	14.4
17	HDR	10.5
18	ARTELIA	9.3
19	COWI A/S	8.2
20	SSH	8.1
21	DEWAN ARCHITECTS + ENGINEERS	7.9
22	JACOBS SOLUTIONS INC.	7.5
23	POWER CONSTRUCTION CORP. OF CHINA	7.2
24	NORR	6.9
25	AYERS SAINT GROSS	6.5

MULTI-UNIT RESIDENTIAL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	185.5
2	STANTEC INC.	126.3
3	ATKINSREALIS	109.0
4	AECOM	105.0
5	ARCADIS NV	96.4
6	SIDARA	76.5
7	SURBANA JURONG PRIVATE LTD.	76.2
8	RAMBOLL GROUP A/S	50.0
9	KHATIB & ALAMI	41.9
10	ARUP GROUP LTD.	38.4
11	EXP	38.1
12	AFRY	27.8
13	PARSONS CORP.	25.6
14	CTI ENGINEERING GROUP	23.7
15	EHA CONSULTING ENGINEERS	23.6
16	MOTT MACDONALD	21.0
17	NORR	19.5
18	COWI A/S	18.1
19	KEO INTERNATIONAL CONSULTANTS	17.1
20	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	14.8
21	TPF SA	14.7
22	ASSOCIATED CONSULTING ENGINEERS	12.5
23	SSH	12.1
24	KOHN PEDERSEN FOX	12.1
25	JACOBS SOLUTIONS INC.	11.9

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Top International Contractors

HOTELS, MOTELS AND CONVENTION CENTERS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	660.4
2	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	403.6
3	GRUPO ACS/HOCHTIEF	292.0
4	OBAYASHI CORP.	201.0
5	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	197.6
6	SKANSKA AB	179.9
7	KAJIMA CORP.	149.4
8	SHANGHAI CONSTRUCTION GROUP CO. LTD.	120.0
9	XPCC CONSTRUCTION & ENGINEERING (GROUP) CO. LTD.	115.3
10	PCL CONSTRUCTION ENTERPRISES	112.6
11	SUMMA TURIZM YATIRIMCILIGI AS	107.4
12	CHINA NATIONAL AERO-TECHNOLOGY INT'L ENG'G CORP.	83.4
13	SSANGYONG ENGINEERING & CONSTRUCTION CO. LTD.	78.8
14	LENLEASE	67.0
15	CITIC CONSTRUCTION CO. LTD.	63.2
16	ANHUI CONSTRUCTION ENGINEERING GROUP CO. LTD.	60.5
17	SHENYANG YUANDA ALUMINUM INDUS. ENG'G CO. LTD.	56.2
18	ZAFER TAAHHUT INSAAT VE TICARET AS	49.1
19	CHINA RAILWAY CONSTRUCTION CORP. LTD.	48.0
20	SHIMIZU CORP.	45.3
21	LARSEN & TOUBRO LTD.	37.5
22	BEIJING CONSTRUCTION ENGINEERING GROUP CO. LTD.	33.1
23	CONSOLIDATED CONTRACTORS GROUP	32.1
24	JIANGSU PROVINCIAL CONSTRUCTION GROUP CO. LTD.	24.8
25	CHINA METALLURGICAL GROUP CORP.	21.5

RETAIL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	443.1
2	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	441.2
3	CONSOLIDATED CONTRACTORS GROUP	206.6
4	BEIJING CONSTRUCTION ENGINEERING GROUP CO. LTD.	172.7
5	SHANDONG ZIJIAN CONSTRUCTION GROUP CO. LTD.	169.7
6	TAISEI CORP.	167.0
7	JIANGSU ZHONGNAN CONSTRUCTION INDUSTRY GROUP CO.LTD	147.8
8	SKANSKA AB	135.2
9	OBAYASHI CORP.	117.0
10	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	97.6
11	SHANDONG HI-SPEED GROUP CO. LTD.	88.7
12	ZHONGDING INTERNATIONAL ENGINEERING CO. LTD	79.3
13	PCL CONSTRUCTION ENTERPRISES	73.3
14	BAUER AG	63.3
15	GRUPO ACS/HOCHTIEF	47.0
16	CHINA METALLURGICAL GROUP CORP.	43.6
17	JIANGXI WATER AND HYDROPOWER CONSTR. CO. LTD.	42.1
18	YANJIAN GROUP CO. LTD.	42.0
19	ZHONGMEI ENGINEERING GROUP LTD.	31.0
20	SUMITOMO MITSUI CONSTRUCTION CO. LTD.	26.8
21	WEIHAI INTERNATIONAL ECONOMIC & TECHNICAL COOPERATIVE CO. LTD.	26.5
22	LIMAK INSAAT SANAYI VE TICARET AS	25.0
23	CHINA ENERGY ENGINEERING CORP. LTD.	23.2
24	KAJIMA CORP.	23.1
25	SHANXI CONSTRUCTION INVESTMENT GROUP CO. LTD.	23.0

Top International Design Firms

HOTELS, MOTELS AND CONVENTION CENTERS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ATKINSREALIS	82.5
2	EGIS	71.2
3	WSP GLOBAL INC.	59.2
4	WATG	55.4
5	SIDARA	42.2
6	AECOM	35.2
7	ARUP GROUP LTD.	33.9
8	ARCADIS NV	32.8
9	EHAF CONSULTING ENGINEERS	32.7
10	RAMBOLL GROUP A/S	31.1
11	HKS	24.6
12	KHATIB & ALAMI	24.6
13	GENSLER	21.6
14	ARTELIA	20.5
15	DEWAN ARCHITECTS + ENGINEERS	19.7
16	REBEL DESIGN+GROUP	14.2
17	STANTEC INC.	14.0
18	MEINHARDT GROUP INTERNATIONAL	13.8
19	SSH	13.0
20	TECNICA Y PROYECTOS SA (TYPESA)	12.0
21	AFRY	8.3
22	POPULOUS	7.6
23	COWI A/S	6.0
24	KEO INTERNATIONAL CONSULTANTS	5.7
25	IDOM	5.1

RETAIL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ARCADIS NV	277.6
2	WSP GLOBAL INC.	75.2
3	SIDARA	73.5
4	AFRY	48.7
5	STANTEC INC.	33.5
6	TETRA TECH	25.0
7	GENSLER	22.0
8	EHAF CONSULTING ENGINEERS	18.3
9	RAMBOLL GROUP A/S	17.4
10	NIPPON KOEI GROUP	17.2
11	ATKINSREALIS	16.1
12	AECOM	14.9
13	KEO INTERNATIONAL CONSULTANTS	14.7
14	ARTELIA	14.7
15	CTI ENGINEERING GROUP	13.7
16	MOTT MACDONALD	13.1
17	DEWAN ARCHITECTS + ENGINEERS	12.5
18	DEERNS	12.4
19	MG2	12.3
20	KHATIB & ALAMI	11.9
21	MEINHARDT GROUP INTERNATIONAL	9.9
22	ASSOCIATED CONSULTING ENGINEERS	6.5
23	SURBANA JURONG PRIVATE LTD.	6.3
24	JACOBS SOLUTIONS INC.	6.0
25	MBH ARCHITECTS	5.0

*BASED ON 2022 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 2022 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	LENDLEASE	176.0
2	GRUPO ACS/HOCHTIEF	124.0
3	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	63.4
4	CHINA RAILWAY CONSTRUCTION CORP. LTD.	22.0
5	PCL CONSTRUCTION ENTERPRISES	11.5

HEALTH CARE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	2,815.6
2	SKANSKA AB	1,393.9
3	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	1,021.4
4	PCL CONSTRUCTION ENTERPRISES	805.8
5	KAJIMA CORP.	522.6
6	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	338.3
7	CHINA METALLURGICAL GROUP CORP.	294.1
8	LENDLEASE	279.0
9	IMPRESA PIZZAROTTI & C. SPA	276.1
10	SACYR	201.1
11	OHLA	163.6
12	ENKA INSAAT VE SANAYI AS	152.2
13	WEBUILD SPA	152.0
14	POWER CONSTRUCTION CORP. OF CHINA	121.2
15	OBAYASHI CORP.	114.0
16	CHINA RAILWAY CONSTRUCTION CORP. LTD.	112.0
17	SHIMIZU CORP.	110.1
18	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	95.7
19	LARSEN & TOUBRO LTD.	88.7
20	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	83.0
21	CHINA INTERNATIONAL WATER & ELECTRIC CORP. (CWE)	74.0
22	SSANGYONG ENGINEERING & CONSTRUCTION CO. LTD.	71.0
23	XPCC CONSTRUCTION & ENGINEERING (GROUP) CO. LTD.	67.2
24	GAP INSAAT YATIRIM VE DIS TICARET AS	54.0
25	SHANXI CONSTRUCTION INVESTMENT GROUP CO. LTD.	42.2

DISTRIBUTION & WAREHOUSES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	KAJIMA CORP.	786.5
2	GRUPO ACS/HOCHTIEF	279.5
3	ELECTRA LTD.	173.3
4	SKANSKA AB	118.8
5	PCL CONSTRUCTION ENTERPRISES	88.7
6	OBAYASHI CORP.	69.0
7	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	47.8
8	PENTA-OCEAN CONSTRUCTION CO. LTD.	43.4
9	BEIJING CONSTRUCTION ENGINEERING GROUP CO. LTD.	38.0
10	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	37.1

Top International Design Firms

CORRECTIONAL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	AECOM	19.1
2	WSP GLOBAL INC.	10.8
3	SIDARA	9.4
4	NORR	6.5
5	RAMBOLL GROUP A/S	3.2

HEALTH CARE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	SIDARA	241.2
2	WSP GLOBAL INC.	215.1
3	STANTEC INC.	126.9
4	AECOM	99.8
5	HDR	94.8
6	JACOBS SOLUTIONS INC.	92.5
7	ARUP GROUP LTD.	81.3
8	RAMBOLL GROUP A/S	65.4
9	ARCADIS NV	57.2
10	TETRA TECH	56.0
11	EHAF CONSULTING ENGINEERS	44.4
12	COWI A/S	42.3
13	AFRY	40.3
14	MEINHARDT GROUP INTERNATIONAL	35.5
15	MOTT MACDONALD	32.2
16	EXP	29.1
17	NIPPON KOEI GROUP	22.9
18	SURBANA JURONG PRIVATE LTD.	22.0
19	EGIS	20.7
20	ATKINSREALIS	20.5
21	ARABTECH JARDANEH	19.1
22	NORR	18.6
23	ARTELIA	18.1
24	HKS	17.4
25	TPF SA	17.4

DISTRIBUTION & WAREHOUSES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	STANTEC INC.	74.3
2	RAMBOLL GROUP A/S	63.4
3	WSP GLOBAL INC.	46.8
4	ARCADIS NV	43.8
5	ROYAL HASKONINGDHV	30.0
6	MEINHARDT GROUP INTERNATIONAL	13.8
7	ARTELIA	13.3
8	SIDARA	13.2
9	TPF SA	5.5
10	AECOM	5.0

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Top International Contractors

SPORTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	503.0
2	LIMAK INSAAT SANAYI VE TICARET AS	150.0
3	CHINA RAILWAY CONSTRUCTION CORP. LTD.	104.0
4	SKANSKA AB	90.7
5	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	89.0
6	BEIJING CONSTRUCTION ENGINEERING GROUP CO. LTD.	71.4
7	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	64.8
8	OBAYASHI CORP.	51.0
9	ESTA INSAAT SANAYI LOJISTIK VE DIS TICARET AS	50.8
10	SUMMA TURIZM YATIRIMCILIGI AS	46.8
11	BEIJING URBAN CONSTRUCTION GROUP CO. LTD.	42.0
12	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	37.7
13	KAJIMA CORP.	31.9
14	PCL CONSTRUCTION ENTERPRISES	28.7
15	WEBUILD SPA	19.6

ENTERTAINMENT & THEME PARKS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	526.0
2	ESTA INSAAT SANAYI LOJISTIK VE DIS TICARET AS	249.2
3	OBAYASHI CORP.	102.0
4	LARSEN & TOUBRO LTD.	77.5
5	CHINA METALLURGICAL GROUP CORP.	54.9
6	KAJIMA CORP.	53.5
7	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	40.6
8	SKANSKA AB	37.9
9	SEMBOL ULUSLARARASI YATIRIM TARIM PEYZAJ INSAAT	33.9
10	PENTA-OCEAN CONSTRUCTION CO. LTD.	32.9

RELIGIOUS & CULTURAL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	261.0
2	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	224.8
3	SKANSKA AB	182.1
4	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	126.1
5	HASKELL	84.1
6	SEMBOL ULUSLARARASI YATIRIM TARIM PEYZAJ INSAAT	52.0
7	OBAYASHI CORP.	38.0
8	YANJIAN GROUP CO. LTD.	26.8
9	BEIJING URBAN CONSTRUCTION GROUP CO. LTD.	24.9
10	KAJIMA CORP.	15.8
10	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	15.8

*Tie for 10th

Top International Design Firms

SPORTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	POPULOUS	59.5
2	COWI A/S	48.3
3	SIDARA	44.9
4	WSP GLOBAL INC.	35.8
5	ARUP GROUP LTD.	26.6
6	STANTEC INC.	20.1
7	MOTT MACDONALD	14.8
8	IDOM	13.9
9	EGIS	12.9
10	TECNICA Y PROYECTOS SA (TYPSA)	11.6
11	ARTELIA	10.9
12	RAMBOLL GROUP A/S	7.8
13	AECOM	6.3
14	AFRY	5.2
15	EHA CONSULTING ENGINEERS	5.1

ENTERTAINMENT & THEME PARKS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	JACOBS SOLUTIONS INC.	39.4
2	SIDARA	24.0
3	EXP	22.3
4	WSP GLOBAL INC.	20.6
5	AECOM	20.0
6	GENSLER	15.7
7	EGIS	15.5
8	SURBANA JURONG PRIVATE LTD.	15.3
9	POPULOUS	14.0
10	ARCADIS NV	10.4

RELIGIOUS & CULTURAL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	SIDARA	94.7
2	NIPPON KOEI GROUP	35.1
3	AECOM	33.7
4	ARUP GROUP LTD.	27.4
5	WSP GLOBAL INC.	26.5
6	RAMBOLL GROUP A/S	19.5
7	STANTEC INC.	15.0
8	SURBANA JURONG PRIVATE LTD.	10.4
9	COWI A/S	6.0
10	DEWAN ARCHITECTS + ENGINEERS	6.0

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Top International Contractors

MIXED USE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	814.0
2	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	354.7
3	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	291.5
4	KAJIMA CORP.	216.8
5	LENLEASE	113.0
6	OBAYASHI CORP.	102.0
7	HYUNDAI ENGINEERING CO. LTD.	97.6
8	CHINA GEO-ENGINEERING CORP.	83.3
9	SICHUAN ROAD AND BRIDGE (GROUP) CO. LTD.	57.1
10	BEIJING URBAN CONSTRUCTION GROUP CO. LTD.	38.3
11	LIMAK INSAAT SANAYI VE TICARET AS	35.0
12	CITIC CONSTRUCTION CO. LTD.	25.0
13	LARSEN & TOUBRO LTD.	23.2
14	OHLA	21.6
15	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	19.8

R & D		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	221.0
2	WEBUILD SPA	156.3
3	XPCC CONSTRUCTION & ENGINEERING (GROUP) CO. LTD.	133.7
4	CHINA NATIONAL AERO-TECHNOLOGY INT'L ENG'G CORP.	32.6
5	GS ENGINEERING & CONSTRUCTION	26.2

Top International Design Firms

MIXED USE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	AECOM	266.5
2	STANTEC INC.	189.3
3	ARCADIS NV	151.4
4	EGIS	98.9
5	ARUP GROUP LTD.	63.8
6	SURBANA JURONG PRIVATE LTD.	60.3
7	ARTELIA	59.8
8	SIDARA	54.6
9	MEINHARDT GROUP INTERNATIONAL	54.3
10	KOHN PEDERSEN FOX	47.4
11	GENSLER	44.4
12	RAMBOLL GROUP A/S	31.7
13	DORSCH HOLDING GMBH	25.0
14	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	21.4
15	DISTANCE STUDIO CONSULTANTS	10.7

R & D		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ARUP GROUP LTD.	18.8
2	GENSLER	9.9
3	HDR	8.4
4	KOHN PEDERSEN FOX	5.5
5	RAMBOLL GROUP A/S	3.3

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AUSTRALIA

Road-building Down Under

Transport for New South Wales has tapped Vinci subsidiary Seymour White to build the 3.1-mile northern section of the M1 Pacific Motorway Extension, part of a corridor program to improve transport between Sydney and Brisbane. In a separate project for the agency, the contractor will upgrade a 4-mile section of Mulgoa Road, a key arterial in western Sydney. Total value of the two projects is \$260 million.

PHILIPPINES

Keeping Manila Moving

The Leighton-First Balfour Joint Venture has been tapped to construct a 5-mile section of the South Commuter Railway Project, the southern leg of a planned 91-mile rail network being created to ease road congestion around Manila. The new \$194-million project includes at-grade and viaduct railway track structures, three stations and associated mechanical and electrical systems. The joint venture is already at work on an adjacent \$283-million, 3.8-mile segment, the majority of which will be located underground.

SAUDI ARABIA

New Rail Line Speeds to Sustainable Future

A 35.4-mile high-speed rail line to be designed and built by a joint venture of Webuild and Shihb Al Jazira Contracting Company will serve Neom, a new sustainability-focused urban area being developed along the country's north Red Sea coast. The \$1.5-billion project includes two high-speed tracks capable of facilitating train speeds of more than 140 mph, as well as a pair of freight rail tracks, viaducts and underpasses.

SPAIN

Natural Setting for a Freight-Passenger Rail Bridge

Ferrovial is set to build a \$64-million rail bridge across the Ebro River in Spain's Navarra autonomous region. The nearly 2,300-ft long, 46-ft-wide structure will be part of the future Cantabria-Mediterranean corridor, which will connect the country's northern and Mediterranean coasts. A key challenge for the 3.5-year project will be integrating into the agricultural area's high-value ecosystem environment.

NORWAY

SCANDINAVIAN P3 AIMS TO UPGRADE HIGHWAY IN \$1B VENTURE

Construction is underway on the E10/rv. 85 road project, a \$1-billion public-private partnership involving the Norwegian Public Roads Administration and Skanska AB, which will design and construct a total of 51 miles of new and upgraded highway. The project includes seven new tunnels totaling nearly 17 miles, more than 20 bridges, pedestrian and cycling routes, rest areas and improved junctions and private road connections. Under a separate contract, Skanska will operate and maintain the completed highway for 15 years.



\$14M

Projected worldwide sales of electric vehicles in 2023, a 33% increase over the previous year.
 - EVVolumes.com

New Look for UK Gateway

Second phase of Manchester Airport expansion begins



NEW TERMINAL WORK TAKES OFF Northwest England hub is meant to improve passenger experiences.

Manchester Airport in northwest England has begun the second phase of its \$1.6-billion program with construction of a new 12-gate pier for Terminal 2 by London-based lead contractor Mace Group Ltd. Set for completion in 2025, the new pier will accommodate a variety of aircraft types. Other elements include a second security hall, expanded departure lounge and airfield reconfigurations. Mace will apply a variety of construction techniques to reduce embodied carbon emissions by up to 40%, such as precast concrete, prefabricated building components and an innovative piling design that minimizes excavation, according to the airport. New facilities will include nearly 30 shops, bars and restaurants. ■

By Jim Parsons

Top International Contractors

TRANSPORTATION		
RANK	FIRM	REVENUE (\$ MIL.)*
1	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	17,782.5
2	VINCI	14,738.0
3	BOUYGUES	11,904.0
4	GRUPO ACS/HOCHTIEF	10,797.5
5	STRABAG SE	8,850.6
6	CHINA RAILWAY CONSTRUCTION CORP. LTD.	6,748.0
7	FERROVIAL	6,101.1
8	CHINA RAILWAY GROUP LTD.	4,340.6
9	SKANSKA AB	4,045.5
10	SACYR	3,606.3
11	WEBUILD SPA	3,077.7
12	POWER CONSTRUCTION CORP. OF CHINA	3,064.2
13	PORR AG	2,783.1
14	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	2,607.5
15	ACCIONA	2,553.0
16	MOTA-ENGIL	1,968.0
17	EIFFAGE	1,910.0
18	OHLA	1,795.1
19	ROYAL BOSKALIS BV	1,549.0
20	BECHTEL	1,410.0
21	YAPI MERKEZI INSAAT VE SANAYI AS	1,393.9
22	ORASCOM CONSTRUCTION PLC	1,309.0
23	LIMAK INSAAT SANAYI VE TICARET AS	1,054.0
24	FCC SA	1,044.5
25	SAMSUNG C&T CORP.	1,032.0
26	DAEWOO ENGINEERING AND CONSTRUCTION CO. LTD.	811.2
27	ITINERA SPA	806.1
28	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	801.0
29	ZHONGMEI ENGINEERING GROUP LTD.	702.0
30	GS ENGINEERING & CONSTRUCTION	644.3
31	OBAYASHI CORP.	612.0
32	SHANDONG HI-SPEED GROUP CO. LTD.	560.7
33	CENGIZ CONSTRUCTION INDUSTRY & TRADE CO. INC.	543.2
34	GULERMAK	516.2
35	GHELLA SPA	504.0
36	RENAISSANCE CONSTRUCTION	495.6
37	CONSOLIDATED CONTRACTORS GROUP	492.7
38	BEIJING URBAN CONSTRUCTION GROUP CO. LTD.	492.6
39	PENTA-OCEAN CONSTRUCTION CO. LTD.	476.9
40	CHINA NATIONAL AERO-TECHNOLOGY INT'L ENG'G CORP.	462.8
41	ALARKO CONTRACTING GROUP	459.3
42	AFCONS INFRASTRUCTURE LTD.	450.7
43	TAV CONSTRUCTION	410.2
44	KIEWIT CORP.	402.1
45	SHANGHAI URBAN CONSTRUCTION (GROUP) CORP.	381.9
46	CHINA NATIONAL MACHINERY INDUSTRY CORP.	366.4
47	CHINA HENAN INT'L COOPERATION GROUP CO. LTD.	352.3
48	KOLIN INSAAT TURIZM SANAYI VE TICARET AS	322.0
49	SUMITOMO MITSUI CONSTRUCTION CO. LTD.	311.8
50	IMPRESA PIZZAROTTI & C. SPA	311.3

Top International Design Firms

TRANSPORTATION		
RANK	FIRM	REVENUE (\$ MIL.)*
1	WSP GLOBAL INC.	3,042.8
2	AECOM	1,762.8
3	ATKINSREALIS	1,415.6
4	JACOBS SOLUTIONS INC.	1,073.6
5	ARCADIS NV	935.2
6	ARUP GROUP LTD.	814.1
7	SIDARA	797.1
8	SYSTRA	761.0
9	EGIS	711.3
10	STANTEC INC.	701.9
11	MOTT MACDONALD	674.1
12	SWECO AB	418.0
13	RAMBOLL GROUP A/S	389.1
14	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	382.9
15	SURBANA JURONG PRIVATE LTD.	356.3
16	HATCH LTD.	309.0
17	COWI A/S	305.2
18	PARSONS CORP.	249.4
19	ORIENTAL CONSULTANTS GLOBAL (OCHD)	221.1
20	AFRY	217.0
21	HDR	207.1
22	TETRA TECH	190.0
23	EXP	187.7
24	TECNICA Y PROYECTOS SA (TYPESA)	186.9
25	GRUPO ACS/HOCHTIEF	173.4
26	AYESA	166.1
27	ROYAL HASKONINGDHV	163.0
28	WOOD	158.6
29	CHINA RAILWAY CONSTRUCTION CORP. LTD.	140.0
30	GHD	137.0
31	WORLEY LTD.	131.7
32	CHINA RAILWAY DESIGN CORP.	128.0
33	TPF SA	123.1
34	SENER GRUPO DE INGENIERÍA SA	122.4
35	AURECON	120.4
36	NIPPON KOEI GROUP	116.3
37	MEINHARDT GROUP INTERNATIONAL	97.0
38	JSTI GROUP	94.0
39	CTI ENGINEERING GROUP	89.2
40	SETEC	87.6
41	IDOM	74.5
42	KHATIB & ALAMI	74.0
43	ARTELIA	68.0
44	FUGRO NV	62.8
45	ITALCONSULT SPA	58.1
46	KIEWIT CORP.	55.9
47	CHODAI (PDT GROUP)	54.4
48	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	52.9
49	MORRISON HERSHFIELD	49.8
50	INGEROP	49.3

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Top International Contractors

HIGHWAYS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	6,067.1
2	GRUPO ACS/HOCHTIEF	4,139.5
3	CHINA RAILWAY CONSTRUCTION CORP. LTD.	2,630.0
4	SACYR	2,351.3
5	WEBUILD SPA	1,665.2
6	CHINA RAILWAY GROUP LTD.	1,350.7
7	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	1,314.9
8	SKANSKA AB	1,112.2
9	POWER CONSTRUCTION CORP. OF CHINA	901.3
10	OHLA	807.5
11	ALARKO CONTRACTING GROUP	458.0
12	CENGIZ CONSTRUCTION INDUSTRY & TRADE CO. INC.	440.7
13	ZHONGMEI ENGINEERING GROUP LTD.	402.0
14	CHINA HENAN INT'L COOPERATION GROUP CO. LTD.	346.2
15	KOLIN INSAAT TURIZM SANAYI VE TICARET AS	322.0
16	LIMAK INSAAT SANAYI VE TICARET AS	296.0
17	CGCOC GROUP CO. LTD.	284.6
18	ONUR TAAHHUT TASIMACILIK INSAAT TIC. VE SANAYI AS	281.4
19	HUNAN ROAD & BRIDGE CONSTR. GROUP	230.1
20	JIANGXI CONSTRUCTION ENGINEERING (GROUP) CORP. LTD.	214.2
21	CHINA WU YI CO. LTD.	183.7
22	ENKA INSAAT VE SANAYI AS	183.7
23	CHINA GEO-ENGINEERING CORP.	179.7
24	GS ENGINEERING & CONSTRUCTION	178.2
25	CHINA METALLURGICAL GROUP CORP.	177.1

MARINE AND PORT FACILITIES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	5,087.8
2	POWER CONSTRUCTION CORP. OF CHINA	1,264.9
3	PENTA-OCEAN CONSTRUCTION CO. LTD.	396.5
4	CHINA RAILWAY CONSTRUCTION CORP. LTD.	296.0
5	NATIONAL MARINE DREDGING COMPANY (NMDC)	278.9
6	GRUPO ACS/HOCHTIEF	209.3
7	PER AARSLEFF HOLDING A/S	164.0
8	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	126.3
9	ILK CONSTRUCTION	120.2
10	AFCONS INFRASTRUCTURE LTD.	110.0
11	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	109.4
12	SOUTHLAND HOLDINGS	98.0
13	ENKA INSAAT VE SANAYI AS	76.9
14	OBAYASHI CORP.	70.0
15	CHINA RAILWAY GROUP LTD.	42.8
16	BAUER AG	41.9
17	SKANSKA AB	38.8
18	CHINA ENERGY ENGINEERING CORP. LTD.	30.9
19	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	29.2
20	KIEWIT CORP.	29.2
21	SHANDONG HI-SPEED DEJIAN GROUP CO. LTD.	27.3
22	YANJIAN GROUP CO. LTD.	20.7
23	KAJIMA CORP.	18.9
24	WEEKS MARINE INC.	17.6
25	SACYR	15.5

Top International Design Firms

HIGHWAYS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	1,225.6
2	AECOM	778.5
3	ATKINSREALIS	605.3
4	ARCADIS NV	442.3
5	STANTEC INC.	397.5
6	EGIS	394.3
7	JACOBS SOLUTIONS INC.	364.8
8	SIDARA	228.6
9	SURBANA JURONG PRIVATE LTD.	215.6
10	RAMBOLL GROUP A/S	207.8
11	ARUP GROUP LTD.	155.6
12	MOTT MACDONALD	140.4
13	EXP	99.4
14	PARSONS CORP.	95.1
15	TETRA TECH	90.0
16	AFRY	89.8
17	CTI ENGINEERING GROUP	79.0
18	COWI A/S	65.6
19	HATCH LTD.	62.0
20	TPF SA	51.9
21	KHATIB & ALAMI	41.2
22	GRUPO ACS/HOCHTIEF	40.4
23	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	37.8
24	CDM SMITH	34.6
25	ORIENTAL CONSULTANTS GLOBAL (OCHD)	30.2

MARINE AND PORT FACILITIES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	321.9
2	WSP GLOBAL INC.	140.5
3	ROYAL HASKONINGDHV	87.4
4	JACOBS SOLUTIONS INC.	63.0
5	AECOM	52.9
6	RAMBOLL GROUP A/S	41.5
7	MOTT MACDONALD	36.6
8	SIDARA	33.5
9	STANTEC INC.	33.3
10	HATCH LTD.	31.0
11	TETRA TECH	30.0
12	ARTELIA	27.1
13	MOFFATT & NICHOL	26.6
14	ARCADIS NV	22.6
15	WORLEY LTD.	22.2
16	EGIS	19.9
17	KHATIB & ALAMI	17.4
18	TECNICA Y PROYECTOS SA (TYPSA)	16.8
19	ARUP GROUP LTD.	16.6
20	NIPPON KOEI GROUP	14.4
21	TRACTEBEL	12.0
22	ORIENTAL CONSULTANTS GLOBAL (OCHD)	10.9
23	ATKINSREALIS	9.4
24	PRDW GROUP	9.1
25	COWI A/S	8.6

*BASED ON 2022 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 2022 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK SURVEYS. SEE ENR.COM FOR COMPLETE LISTINGS.

Top International Contractors

AIRPORTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	1,424.1
2	LIMAK INSAAT SANAYI VE TICARET AS	707.0
3	BECHTEL	601.9
4	BEIJING URBAN CONSTRUCTION GROUP CO. LTD.	459.6
5	CHINA NATIONAL AERO-TECHNOLOGY INT'L ENG'G CORP.	453.2
6	POWER CONSTRUCTION CORP. OF CHINA	452.8
7	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	449.0
8	SKANSKA AB	385.5
9	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	359.5
10	SACYR	268.1
11	SUMMA TURIZM YATIRIMCILIGI AS	201.5
12	TAISEI CORP.	157.0
13	YUNNAN CONST. AND INVEST. HOLDING GRP. CO. LTD.	152.0
14	CHINA RAILWAY CONSTRUCTION CORP. LTD.	139.0
15	CHINA NATIONAL MACHINERY INDUSTRY CORP.	83.8
16	IC ICTAS INSAAT SANAYI VE TICARET AS	73.0
17	CHINA RAILWAY GROUP LTD.	57.6
18	SSANGYONG ENGINEERING & CONSTRUCTION CO. LTD.	50.9
19	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	45.4
20	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	37.2
21	CONSOLIDATED CONTRACTORS GROUP	31.9
22	MOHAMMED ABDULMOHSIN AL-KHARAFI & SONS	31.0
23	SHANXI CONSTRUCTION INVESTMENT GROUP CO. LTD.	27.7
24	KAJIMA CORP.	24.4
25	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	23.8

MASS TRANSIT AND RAIL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	4,228.5
2	GRUPO ACS/HOCHTIEF	3,985.6
3	CHINA RAILWAY GROUP LTD.	2,687.8
4	CHINA RAILWAY CONSTRUCTION CORP. LTD.	2,560.0
5	SKANSKA AB	1,689.9
6	YAPI MERKEZI INSAAT VE SANAYI AS	1,365.2
7	WEBUILD SPA	1,272.0
8	SACYR	814.6
9	OHLA	676.8
10	BECHTEL	637.5
11	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	529.1
12	GHELLA SPA	411.0
13	POWER CONSTRUCTION CORP. OF CHINA	400.9
14	SHANGHAI URBAN CONSTRUCTION (GROUP) CORP.	381.9
15	GULERMAK	371.7
16	GS ENGINEERING & CONSTRUCTION	364.9
17	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	344.9
18	SUMITOMO MITSUI CONSTRUCTION CO. LTD.	269.5
19	KIEWIT CORP.	269.0
20	RAILWORKS	254.5
21	CONSOLIDATED CONTRACTORS GROUP	253.8
22	CHINA NATIONAL MACHINERY INDUSTRY CORP.	250.9
23	POSCO ENGINEERING & CONSTRUCTION	208.0
24	IMPRESA PIZZAROTTI & C. SPA	205.2
25	SHIMIZU CORP.	189.4

Top International Design Firms

AIRPORTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	SIDARA	210.6
2	ARUP GROUP LTD.	165.6
3	AECOM	139.7
4	ATKINSREALIS	136.9
5	WSP GLOBAL INC.	115.0
6	STANTEC INC.	57.8
7	MOTT MACDONALD	52.5
8	EGIS	50.0
9	JACOBS SOLUTIONS INC.	46.6
10	MEINHARDT GROUP INTERNATIONAL	43.7
11	ROYAL HASKONINGDHV	36.8
12	AFRY	20.7
13	TECNICA Y PROYECTOS SA (TYPSA)	19.6
14	RAMBOLL GROUP A/S	16.5
15	SURBANA JURONG PRIVATE LTD.	13.8
16	ARCADIS NV	12.9
17	KOHN PEDERSEN FOX	11.3
18	NIPPON KOEI GROUP	10.6
19	TETRA TECH	10.0
20	EXP	9.2
21	HEERIM ARCHITECTS & PLANNERS CO. LTD.	8.8
22	CHINA NATIONAL MACHINERY INDUSTRY CORP.	8.1
23	ORIENTAL CONSULTANTS GLOBAL (OCHD)	7.2
24	WORLEY LTD.	5.9
25	MICHAEL BAKER INTERNATIONAL	5.0

MASS TRANSIT AND RAIL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	1,230.7
2	AECOM	724.8
3	SYSTRA	671.0
4	ATKINSREALIS	649.3
5	JACOBS SOLUTIONS INC.	510.5
6	ARCADIS NV	445.5
7	MOTT MACDONALD	400.6
8	ARUP GROUP LTD.	381.1
9	EGIS	232.3
10	HATCH LTD.	216.0
11	HDR	179.1
12	SIDARA	178.0
13	ORIENTAL CONSULTANTS GLOBAL (OCHD)	159.1
14	COWI A/S	140.5
15	PARSONS CORP.	131.7
16	CHINA RAILWAY DESIGN CORP.	128.0
17	STANTEC INC.	122.1
18	CHINA RAILWAY CONSTRUCTION CORP. LTD.	121.0
19	TECNICA Y PROYECTOS SA (TYPSA)	111.2
20	SENER GRUPO DE INGENIERIA SA	103.8
21	GRUPO ACS/HOCHTIEF	98.7
22	SURBANA JURONG PRIVATE LTD.	90.9
23	NIPPON KOEI GROUP	66.2
24	IDOM	65.0
25	AFRY	62.7

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Top International Contractors

BRIDGES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA RAILWAY CONSTRUCTION CORP. LTD.	955.0
2	GRUPO ACS/HOCHTIEF	947.9
3	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	807.6
4	SKANSKA AB	595.8
5	ZHONGMEI ENGINEERING GROUP LTD.	300.0
6	OBAYASHI CORP.	256.0
7	FLUOR	246.9
8	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	233.9
9	CHINA RAILWAY GROUP LTD.	192.8
10	OHLA	190.5
11	SACYR	154.1
12	AFCONS INFRASTRUCTURE LTD.	147.9
13	WEBUILD SPA	140.2
14	CONSOLIDATED CONTRACTORS GROUP	114.4
15	BAUER AG	108.8
16	NATA INSAAT TURZ. TASIMACILIK TIC. VE SAN. AS	90.0
17	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	66.8
18	PCL CONSTRUCTION ENTERPRISES	58.6
19	LIMAK INSAAT SANAYI VE TICARET AS	51.0
20	KIEWIT CORP.	48.3
21	GS ENGINEERING & CONSTRUCTION	46.2
22	SUMITOMO MITSUI CONSTRUCTION CO. LTD.	39.8
23	DL E&C CO. LTD.	38.5
24	SHIMIZU CORP.	30.1
25	YAPI MERKEZI INSAAT VE SANAYI AS	28.8

Top International Design Firms

BRIDGES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	317.1
2	SIDARA	146.4
3	STANTEC INC.	91.2
4	SYSTRA	90.0
5	JACOBS SOLUTIONS INC.	88.7
6	COWI A/S	86.6
7	ARUP GROUP LTD.	86.3
8	AECOM	66.9
9	EXP	49.2
10	MOTT MACDONALD	43.8
11	CHODAI (PDT GROUP)	39.2
12	SURBANA JURONG PRIVATE LTD.	31.4
13	TETRA TECH	30.0
14	GRUPO ACS/HOCHTIEF	28.4
15	RAMBOLL GROUP A/S	27.9
16	PARSONS CORP.	21.2
17	MORRISON HERSHFIELD	16.5
18	AFRY	15.2
19	EGIS	14.7
20	ATKINSREALIS	14.7
21	ORIENTAL CONSULTANTS GLOBAL (OCHD)	13.3
22	ARCADIS NV	11.9
23	TECNICA Y PROYECTOS SA (TYPSA)	11.2
24	DORSCH HOLDING GMBH	11.2
25	KHATIB & ALAMI	9.7

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BIG COMPLEX Hyundai has five plants at its South Korea production site, but a new one would be the first making EVs.

Massive Plant Site Growing

Hyundai plans first EV plant at its original assembly facility

Hundai Motor Co. opened its first assembly plant in 1968 in Ulsan, South Korea, and over the following decades has grown the site to include five independent manufacturing plants over 1.9 sq miles. Now the automaker is preparing to add electric vehicle production to the facility with construction of a \$1.5-billion plant. It would be Hyundai's first new facility built in its home country in 29 years.

Construction recently began and is scheduled to complete in 2025 for production to start in early 2026, according to Hyundai. The automaker plans for the 5.9-million-sq-ft plant to produce 200,000 EVs annually.

Last year, global EV sales increased 35% to 14 million, according to the International Energy Agency. It projects another 18% rise this year. ■

By James Leggate

.8%

The decline in European Union countries' manufacturing output in Q2 2023

- Organization for Economic Cooperation and Development

\$16.3 TRILLION

The value of world manufacturing net output in 2022.

- World Bank

POLAND Semiconductor Chip Plant

Intel is set to spend as much as \$4.6 billion building a semiconductor chip assembly and test facility near Wrocław. Design is underway, and construction still requires European Commission approval. The chipmaker says the plant would be part of an end-to-end semiconductor value chain in Europe. Production began this year at a new chip plant at Intel's production site in Leixlip, Ireland, and the company has also announced plans to build a wafer fabrication plant in Magdeburg, Germany. The European Union has set a goal of claiming 20% of global semiconductor manufacturing capacity by 2030.

GERMANY Medical Device Plant

Indianapolis-based pharmaceutical manufacturer Eli Lilly and Co. recently announced plans to build a \$2.5-billion high-tech manufacturing plant in Alzey, Rhineland-Palatinate. The facility, which would produce injectable products and devices, would be Lilly's sixth manufacturing site in Europe. Construction is expected to involve about 1,900 workers and is scheduled to start next year, although it still requires government permitting approvals.

INDIA Toyota Production Expansion

Toyota Kirloskar Motor, a joint venture of the automaker and Indian conglomerate Kirloskar Group, recently signed an agreement with the government of the Karnataka state to expand its local manufacturing footprint. The company plans to build a \$400-million plant to add 100,000 units to its annual production capacity.

TAIWAN Electronic Component Plant

Technology firm Wiyynn Corp.'s board of directors approved a plan to build a \$194-million printed circuit board assembly plant in Taiwan. Wiyynn plans to manufacture the assemblies for cloud computing and AI servers. In addition to production, the facility will accelerate pilot runs and introduction of new products, the company says. Wiyynn plans to build the plant in alignment with green building standards.

Top International Contractors

MANUFACTURING		
RANK	FIRM	REVENUE (\$ MIL.)*
1	EXYTE GMBH	5,955.5
2	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	2,335.9
3	SINOMA INTERNATIONAL ENGINEERING CO. LTD.	2,067.7
4	HOFFMAN CONSTRUCTION	1,587.0
5	SAMSUNG C&T CORP.	1,079.0
6	TAKENAKA CORP.	768.0
7	SAMSUNG ENGINEERING CO. LTD.	736.9
8	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	693.4
9	CTCI CORP.	670.0
10	SKANSKA AB	601.7
11	HYUNDAI ENGINEERING CO. LTD.	588.5
12	KAJIMA CORP.	571.8
13	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	546.8
14	GRUPO ACS/HOCHTIEF	496.7
15	EIFFAGE	458.0
16	PER AARSLEFF HOLDING A/S	366.3
17	WALBRIDGE	325.3
18	KINDEN CORP.	261.0
19	ALBERICI-FLINTCO	251.6
20	JIANGSU PROVINCIAL CONSTRUCTION GROUP CO. LTD.	229.3
21	LARSEN & TOUBRO LTD.	228.1
22	BOUYGUES	202.0
23	SHIMIZU CORP.	145.8
24	CHINA RAILWAY CONSTRUCTION CORP. LTD.	133.0
25	GS ENGINEERING & CONSTRUCTION	123.8
26	SYNERGY CONSTRUCT SRL	121.0
27	CHINA METALLURGICAL GROUP CORP.	83.5
28	SENER GRUPO DE INGENIERÍA SA	79.3
29	CHINA NATIONAL MACHINERY INDUSTRY CORP.	72.9
30	JIANGLIAN HEAVY INDUSTRY GROUP CO. LTD.	72.1
31	OHLA	71.4
32	ZHONGYIFENG CONSTRUCTION GROUP CO. LTD.	67.9
33	OBAYASHI CORP.	65.0
34	COMMERCIAL CONTRACTING CORP.	63.0
35	SK ECOPLANT	53.8
36	JIANGSU NANTONG NO.2 CONSTRUCTION	48.6
37	SHANDONG HI-SPEED DEJIAN GROUP CO. LTD.	36.9
38	FLUOR	36.7
39	RENAISSANCE CONSTRUCTION	36.4
40	HASKELL	34.0
41	ORASCOM CONSTRUCTION PLC	29.0
42	NORINCO INTERNATIONAL COOPERATION LTD.	29.0
43	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	27.8
44	BAUER AG	21.1
45	POSCO ENGINEERING & CONSTRUCTION	16.1
46	RONCELLI INC.	14.0
47	QINGJIAN GROUP CO. LTD.	13.0
48	PENTA-OCEAN CONSTRUCTION CO. LTD.	8.8
49	RAMBOLL GROUP A/S	8.4
50	ZHONGDING INTERNATIONAL ENGINEERING CO. LTD	8.3

Top International Design Firms

MANUFACTURING		
RANK	FIRM	REVENUE (\$ MIL.)*
1	LARSEN & TOUBRO LTD.	453.4
2	WOOD	222.6
3	EXYTE GMBH	164.7
4	JACOBS SOLUTIONS INC.	94.6
5	ATKINSREALIS	65.0
6	WSP GLOBAL INC.	64.7
7	ARCADIS NV	61.8
8	SAMOO ARCHITECTS & ENGINEERS	60.9
9	SAMSUNG ENGINEERING CO. LTD.	37.0
10	STANTEC INC.	32.6
11	COWI A/S	26.2
12	PM GROUP	25.8
13	DREES & SOMMER	25.0
14	FLUOR	24.1
15	CTCI CORP.	22.6
16	AFRY	21.0
17	BECA GROUP LTD.	19.9
18	SSOE GROUP	18.8
19	KAJIMA CORP.	18.1
20	EXP	17.6
21	GRESHAM SMITH	17.4
22	LEIDOS	17.3
23	AURECON	16.8
24	SABBOUR CONSULTING	12.0
25	IDOM	11.2
26	SETEC	9.0
27	GHAFARI ASSOCIATES LLC	7.4
28	ROYAL HASKONINGDHV	7.2
29	MEINHARDT GROUP INTERNATIONAL	5.9
30	SIDARA	5.7
31	WARE MALCOMB	5.3
32	TETRA TECH	5.0
33	SYNERGY CONSTRUCT SRL	5.0
34	BILFINGER TEBODIN	4.7
35	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	4.3
36	CHINA NATIONAL MACHINERY INDUSTRY CORP.	3.0
37	AECOM	2.8
38	RAMBOLL GROUP A/S	2.3
39	KIEWIT CORP.	1.9
40	SENER GRUPO DE INGENIERÍA SA	1.8
41	AMG AL AMAR CONSULTING GROUP SA	1.7
42	SALAS O'BRIEN	1.5
43	ARTELIA	1.3
44	SWECO AB	1.0
45	KLEINFELDER	0.8
46	RABA KISTNER INC.	0.8
47	HSS ENGINEERS BERHAD	0.7
48	DEERNS	0.7
49	YOOSHIN ENGINEERING CORP.	0.5
50	HARGROVE ENGINEERS & CONSTRUCTORS	0.4

*BASED ON 2022 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

INDUSTRIAL PROCESS		
RANK	FIRM	REVENUE (\$ MIL.)*
1	BECHTEL	2,459.0
2	DANIELI & C. O.M. SPA	2,000.0
3	CHINA METALLURGICAL GROUP CORP.	1,246.3
4	VINCI	879.0
5	SINOSTEEL EQUIPMENT & ENGINEERING CO. LTD.	868.8
6	STRABAG SE	827.6
7	CHIYODA CORP.	710.4
8	GRUPO ACS/HOCHTIEF	576.0
9	EXYTE GMBH	531.5
10	ALBERICI-FLINTCO	519.5
11	CITIC CONSTRUCTION CO. LTD.	481.2
12	FLUOR	378.5
13	SKANSKA AB	363.5
14	KAJIMA CORP.	332.0
15	BOUYGUES	332.0
16	LARSEN & TOUBRO LTD.	276.8
17	HYUNDAI ENGINEERING CO. LTD.	275.4
18	ACCIONA	271.0
19	RENAISSANCE CONSTRUCTION	270.2
20	EFFAGE	265.0
21	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	226.0
22	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	220.3
23	ORASCOM CONSTRUCTION PLC	202.0
24	CHINA NONFERROUS METAL IND. FOR. ENG'G AND CONSTR.	199.4
25	ESTA INSAAT SANAYI LOJISTIK VE DIS TICARET AS	178.2
26	CHINA TRIUMPH INTERNATIONAL ENGINEERING CO. LTD.	145.3
27	GILBANE BUILDING CO.	145.2
28	YANJIAN GROUP CO. LTD.	144.0
29	CHINA NATIONAL MACHINERY INDUSTRY CORP.	129.6
30	CHINA RAILWAY GROUP LTD.	124.1
31	CHINA ALUMINUM INTERNATIONAL ENG'G CORP. LTD.	89.7
32	WOOD	84.2
33	HASKELL	81.6
34	POSCO ENGINEERING & CONSTRUCTION	79.5
35	OBAYASHI CORP.	78.0
36	CHINA ENERGY ENGINEERING CORP. LTD.	77.8
37	DPR CONSTRUCTION	77.5
38	CHINA NERIN ENGINEERING CO. LTD.	69.7
39	SHIMIZU CORP.	68.6
40	ANT YAPI INDUSTRY & TRADE INC.	63.0
41	SAMSUNG ENGINEERING CO. LTD.	54.6
42	ATKINSREALIS	50.3
43	BAUER AG	50.0
44	HEBEI CONSTRUCTION GROUP CO. LTD.	46.4
45	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	46.0
46	CTCI CORP.	41.8
47	CHINA RAILWAY CONSTRUCTION CORP. LTD.	40.0
48	ILK CONSTRUCTION	36.1
49	SICHUAN ROAD AND BRIDGE (GROUP) CO. LTD.	35.6
50	SINOMA INTERNATIONAL ENGINEERING CO. LTD.	35.4

Top International Design Firms

INDUSTRIAL PROCESS		
RANK	FIRM	REVENUE (\$ MIL.)*
1	JACOBS SOLUTIONS INC.	659.3
2	WORLEY LTD.	540.6
3	HATCH LTD.	486.0
4	AFRY	373.0
5	WOOD	202.1
6	INTERTEK-PSI	169.6
7	BECHTEL	151.0
8	CHINA TRIUMPH INTERNATIONAL ENGINEERING CO. LTD.	134.1
9	PM GROUP	115.8
10	WSP GLOBAL INC.	112.9
11	SWECO AB	102.0
12	SIDARA	101.5
13	LARSEN & TOUBRO LTD.	96.0
14	FLUOR	86.3
15	ARCADIS NV	81.4
16	IPS-INTEGRATED PROJECT SERVICES LLC	71.1
17	RAMBOLL GROUP A/S	44.7
18	IDOM	44.0
19	ATKINSREALIS	43.1
20	TETRA TECH	43.0
21	BILFINGER TEBODIN	40.5
22	STANTEC INC.	40.2
23	ARTELIA	30.1
24	DBA GROUP	27.7
25	BECA GROUP LTD.	23.3
26	CHINA NERIN ENGINEERING CO. LTD.	23.3
27	EXYTE GMBH	22.5
28	CHINA METALLURGICAL GROUP CORP.	20.6
29	CRB	20.0
30	GHD	19.8
31	AYESA	17.0
32	EXP	16.6
33	CTCI CORP.	16.4
34	JENSEN HUGHES	15.7
35	EHA CONSULTING ENGINEERS	14.4
36	DENNIS GROUP	13.9
37	MOTT MACDONALD	13.5
38	WARE MALCOMB	11.5
39	CHINA ALUMINUM INTERNATIONAL ENG'G CORP. LTD.	11.3
40	KAJIMA CORP.	10.6
41	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	10.3
42	INGEROP	9.0
43	VEPICA GRUPO INTERNACIONAL SLU	8.0
44	SALAS O'BRIEN	8.0
45	CHINA NONFERROUS METAL IND. FOR. ENG'G AND CONSTR.	5.7
46	CHINA NATIONAL MACHINERY INDUSTRY CORP.	5.2
47	AECOM	4.3
48	HASKELL	4.0
49	DISTANCE STUDIO CONSULTANTS	3.8
50	NIPPON KOEI GROUP	3.5

*BASED ON 2022 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.
 **BASED ON SUPPLEMENTAL MARKET REVENUE DATA FROM 2022 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK SURVEYS. SEE ENR.COM FOR COMPLETE LISTINGS.

Top International Contractors

AUTO ASSEMBLY PLANTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	HYUNDAI ENGINEERING CO. LTD.	588.5
2	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	440.0
3	WALBRIDGE	325.3
4	ALBERICI-FLINTCO	251.6
5	GRUPO ACS/HOCHTIEF	244.0
6	KAJIMA CORP.	111.6
7	LARSEN & TOUBRO LTD.	105.2
8	SHIMIZU CORP.	84.5
9	OHLA	71.4
10	CHINA NATIONAL MACHINERY INDUSTRY CORP.	70.5

STEEL AND NON-FERROUS METALS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	BECHTEL	2,458.3
2	CHINA METALLURGICAL GROUP CORP.	1,180.6
3	SINOSTEEL EQUIPMENT & ENGINEERING CO. LTD.	868.8
4	LARSEN & TOUBRO LTD.	250.7
5	CHINA NONFERROUS METAL IND. FOR. ENG'G AND CONSTR.	199.4
6	HYUNDAI ENGINEERING CO. LTD.	154.8
7	YANJIAN GROUP CO. LTD.	138.1
8	CHINA RAILWAY GROUP LTD.	124.1
9	CHINA ALUMINUM INTERNATIONAL ENG'G CORP. LTD.	89.7
10	CHINA NERIN ENGINEERING CO. LTD	69.7
11	POSCO ENGINEERING & CONSTRUCTION	58.3
12	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	45.1
13	CTCI CORP.	41.8
14	BAUER AG	35.0
15	KOLIN INSAAT TURIZM SANAYI VE TICARET AS	32.1
16	GRUPO ACS/HOCHTIEF	26.0
17	SKANSKA AB	25.4
18	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	24.7
19	SINOMA INTERNATIONAL ENGINEERING CO. LTD.	22.6
20	MATRIX SERVICE CO.	21.5

Top International Design Firms

AUTO ASSEMBLY PLANTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	LARSEN & TOUBRO LTD.	147.6
2	WSP GLOBAL INC.	37.3
3	ARCADIS NV	31.4
4	JACOBS SOLUTIONS INC.	20.0
5	GRESHAM SMITH	17.4
6	KAJIMA CORP.	17.4
7	LEIDOS	17.3
8	AFRY	12.7
9	ATKINSREALIS	10.8
10	SSEO GROUP	9.9

STEEL AND NON-FERROUS METALS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	HATCH LTD.	486.0
2	BECHTEL	123.0
3	WORLEY LTD.	107.6
4	AFRY	30.3
5	FLUOR	29.0
6	IDOM	26.0
7	CHINA NERIN ENGINEERING CO. LTD	23.3
8	CHINA METALLURGICAL GROUP CORP.	20.6
9	TETRA TECH	20.0
10	CTCI CORP.	16.4
11	CHINA ALUMINUM INTERNATIONAL ENG'G CORP. LTD.	11.3
12	WSP GLOBAL INC.	8.4
13	STANTEC INC.	6.0
14	BILFINGER TEBODIN	3.9
15	CHINA NONFERROUS METAL IND. FOR. ENG'G AND CONSTR.	3.7
16	AECOM	3.4
17	TPF SA	2.7
18	RAMBOLL GROUP A/S	1.8
19	LARSEN & TOUBRO LTD.	1.6
20	ROYAL HASKONINGDHV	1.1

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Top International Contractors

TELECOMMUNICATIONS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	VINCI	4,396.0
2	GRUPO ACS/HOCHTIEF	3,713.0
3	BOUYGUES	591.0
4	FORTIS CONSTRUCTION INC.	510.9
5	ORASCOM CONSTRUCTION PLC	474.0
6	SKANSKA AB	471.2
7	OBAYASHI CORP.	295.0
8	EXYTE GMBH	223.7
9	DPR CONSTRUCTION	208.1
10	KAJIMA CORP.	178.8
11	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	171.1
12	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	136.0
13	CHINA RAILWAY CONSTRUCTION CORP. LTD.	98.0
14	CHINA GENERAL TECHNOLOGY (GROUP) HOLDING CO. LTD.	88.7
15	SHIMIZU CORP.	87.8
16	LENLEASE	71.0
17	COMSA CORPORACIÓN	68.0
18	WEBUILD SPA	67.1
19	STO BUILDING GROUP	51.0
20	MOTA-ENGIL	49.0
21	STRABAG SE	48.6
22	EIFFAGE	48.0
23	SHANDONG HI-SPEED DEJIAN GROUP CO. LTD.	45.1
24	WALBRIDGE	38.4
25	BAUER AG	28.4

MINING		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	2,768.0
2	FLUOR	1,060.7
3	CHINA RAILWAY GROUP LTD.	947.4
4	NORINCO INTERNATIONAL COOPERATION LTD.	447.2
5	CHINA NATIONAL MACHINERY INDUSTRY CORP.	237.5
6	CHINA RAILWAY CONSTRUCTION CORP. LTD.	211.0
7	CHINA HENAN INT'L COOPERATION GROUP CO. LTD.	141.1
8	CHINA METALLURGICAL GROUP CORP.	70.1
9	SACYR	62.5
10	WEBUILD SPA	40.3
11	ZHONGDING INTERNATIONAL ENGINEERING CO. LTD	40.2
12	GRANITE CONSTRUCTION INC.	35.8
13	SICHUAN ROAD AND BRIDGE (GROUP) CO. LTD.	35.6
14	POWER CONSTRUCTION CORP. OF CHINA	29.7
15	KIEWIT CORP.	21.4
15	CHINA NERIN ENGINEERING CO. LTD	21.4

*Tie for 15th.

Top International Design Firms

TELECOMMUNICATIONS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	132.0
2	ARUP GROUP LTD.	112.7
3	RAMBOLL GROUP A/S	68.1
4	BECHTEL	59.0
5	HDR	54.0
6	AECOM	50.3
7	FUGRO NV	46.2
8	ARCADIS NV	45.4
9	ROYAL HASKONINGDHV	41.8
10	BURNS & MCDONNELL	36.3
11	SIDARA	31.4
12	AFRY	28.0
13	IPS-INTEGRATED PROJECT SERVICES LLC	16.3
14	MEINHARDT GROUP INTERNATIONAL	15.8
15	JACOBS SOLUTIONS INC.	15.7
16	PM GROUP	15.6
17	DEERNS	15.4
18	TOWER ENGINEERING PROFESSIONALS	15.0
19	LARSEN & TOUBRO LTD.	14.3
20	ATKINSREALIS	14.1
21	STANTEC INC.	12.3
22	DORSCH HOLDING GMBH	11.2
23	GENSLER	10.4
24	IDOM	10.3
25	BLACK & VEATCH	9.4

MINING		
RANK	FIRM	REVENUE (\$ MIL.**)
1	FLUOR	420.9
2	WSP GLOBAL INC.	320.6
3	HATCH LTD.	209.0
4	STANTEC INC.	180.7
5	ATKINSREALIS	95.0
6	WALDEMAR S. NELSON AND CO. INC.	34.7
7	AFRY	24.9
8	WORLEY LTD.	24.7
9	TPF SA	24.3
10	TETRA TECH	22.0
11	BARR ENGINEERING CO.	16.9
12	RAMBOLL GROUP A/S	12.6
13	IDOM	11.3
14	CHINA NERIN ENGINEERING CO. LTD	10.3
15	CHINA NATIONAL MACHINERY INDUSTRY CORP.	9.5

Top International Contractors

CHEMICALS (NON-PETROLEUM)		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CITIC CONSTRUCTION CO. LTD.	468.9
2	CHINA TRIUMPH INTERNATIONAL ENGINEERING CO. LTD.	145.3
3	HYUNDAI ENGINEERING CO. LTD.	120.6
4	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	70.4
5	SAMSUNG ENGINEERING CO. LTD.	54.6
6	ATKINSREALIS	50.3
7	CHINA NATIONAL MACHINERY INDUSTRY CORP.	47.1
8	GRUPO ACS/HOCHTIEF	43.0
9	POSCO ENGINEERING & CONSTRUCTION	21.2
10	OBAYASHI CORP.	19.0
11	SKANSKA AB	15.1
12	BAUER AG	15.0
13	FLUOR	13.1
14	ENKA INSAAT VE SANAYI AS	11.4
15	SUMITOMO MITSUI CONSTRUCTION CO. LTD.	10.3
16	YUNNAN CONST. AND INVEST. HOLDING GRP. CO. LTD.	10.1
17	JIANGSU PROVINCIAL CONSTRUCTION GROUP CO. LTD.	10.0
18	NANTONG CONSTRUCTION GROUP CO. LTD.	9.2
19	WORLEY LTD.	7.8
20	CHINA GANSU INT'L ECON. AND TECH. COOP. CO. LTD.	5.8

PHARMACEUTICALS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	EXYTE GMBH	527.4
2	GRUPO ACS/HOCHTIEF	439.0
3	FLUOR	347.8
4	SKANSKA AB	305.4
5	KAJIMA CORP.	99.6
6	DPR CONSTRUCTION	77.5
7	CRB	17.1
8	IPS-INTEGRATED PROJECT SERVICES LLC	13.8
9	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	6.2
10	OBAYASHI CORP.	1.0

FOOD & BEVERAGES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ALBERICI-FLINTCO	519.5
2	KAJIMA CORP.	180.8
3	GILBANE BUILDING CO.	145.2
4	SYNERGY CONSTRUCT SRL	90.0
5	HASKELL	81.6
6	GRUPO ACS/HOCHTIEF	25.0
7	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	24.6
8	DENNIS GROUP	17.0
9	OBAYASHI CORP.	15.0
10	CHINA NATIONAL MACHINERY INDUSTRY CORP.	13.2

PULP & PAPER		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ESTA INSAAT SANAYI LOJISTIK VE DIS TICARET AS	178.2
2	HARBIN ELECTRIC INTERNATIONAL CO. LTD.	167.2
3	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	77.2
4	GRUPO ACS/HOCHTIEF	21.0
5	SHIMIZU CORP.	10.0

Top International Design Firms

CHEMICALS (NON-PETROLEUM)		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA TRIUMPH INTERNATIONAL ENGINEERING CO. LTD.	134.1
2	WORLEY LTD.	80.3
3	WSP GLOBAL INC.	50.9
4	AFRY	43.7
5	RAMBOLL GROUP A/S	39.4
6	LARSEN & TOUBRO LTD.	29.9
7	JACOBS SOLUTIONS INC.	16.9
8	BILFINGER TEBODIN	15.7
9	ARCADIS NV	13.5
10	BECHTEL	11.5
11	STANTEC INC.	11.0
12	MOTT MACDONALD	10.0
13	IDOM	8.4
14	EXP	7.8
15	ATKINSREALIS	5.1
16	ARTELIA	4.5
17	HARGROVE ENGINEERS & CONSTRUCTORS	4.4
18	FLUOR	4.2
19	SIDARA	3.2
20	SAMSUNG ENGINEERING CO. LTD.	3.0

PHARMACEUTICALS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	JACOBS SOLUTIONS INC.	642.4
2	PM GROUP	101.0
3	SIDARA	96.9
4	IPS-INTEGRATED PROJECT SERVICES LLC	71.1
5	ARCADIS NV	64.2
6	FLUOR	51.6
7	CRB	20.0
8	TETRA TECH	20.0
9	EXYTE GMBH	19.9
10	AFRY	19.8

FOOD & BEVERAGES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	LARSEN & TOUBRO LTD.	57.5
2	AFRY	49.7
3	WSP GLOBAL INC.	15.0
4	DENNIS GROUP	13.9
5	ATKINSREALIS	13.7
6	PM GROUP	13.0
7	SALAS O'BRIEN	8.0
8	STANTEC INC.	7.5
9	KAJIMA CORP.	7.2
10	POWER ENGINEERS INC.	6.7

PULP & PAPER		
RANK	FIRM	REVENUE (\$ MIL.**)
1	AFRY	214.5
2	BILFINGER TEBODIN	6.9
3	ARCADIS NV	3.7
4	WSP GLOBAL INC.	3.5
5	STANTEC INC.	2.5

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Top International Contractors

SEMICONDUCTOR		
RANK	FIRM	REVENUE (\$ MIL.**)
1	EXYTE GMBH	5,949.8
2	CTCI CORP.	600.8
3	SKANSKA AB	499.7
4	PER AARSLEFF HOLDING A/S	361.1
5	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	128.3

ELECTRONIC ASSEMBLY		
RANK	FIRM	REVENUE (\$ MIL.**)
1	SAMSUNG ENGINEERING CO. LTD.	736.9
2	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	199.8
3	GS ENGINEERING & CONSTRUCTION	123.8
4	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	122.3
5	KAJIMA CORP.	96.2

AEROSPACE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	161.0
2	SENER GRUPO DE INGENIERÍA SA	79.3
3	SKANSKA AB	48.6
4	HASKELL	34.0
5	KAJIMA CORP.	5.4

TRANSMISSION LINES & CABLING		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA GENERAL TECHNOLOGY (GROUP) HOLDING CO. LTD.	88.7
2	CHINA RAILWAY CONSTRUCTION CORP. LTD.	71.0
3	BECHTEL	19.8
4	CHINA NATIONAL MACHINERY INDUSTRY CORP.	15.9
5	GRUPO ACS/HOCHTIEF	14.0

TOWERS & ANTENNAE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	125.1
2	LENDELEASE	71.0
3	BAUER AG	20.0
4	ECC	14.6
5	MASTEC INC.	7.0

DATA CENTERS & WEB HOTELS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	3,699.0
2	FORTIS CONSTRUCTION INC.	510.9
3	SKANSKA AB	471.2
4	OBAYASHI CORP.	295.0
5	EXYTE GMBH	223.7
6	DPR CONSTRUCTION	208.1
7	KAJIMA CORP.	178.8
8	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	136.0
9	SHIMIZU CORP.	85.0
10	WEBUILD SPA	67.1

Top International Design Firms

SEMICONDUCTOR		
RANK	FIRM	REVENUE (\$ MIL.**)
1	EXYTE GMBH	164.5
2	JACOBS SOLUTIONS INC.	74.5
3	LARSEN & TOUBRO LTD.	68.0
4	SAMOO ARCHITECTS & ENGINEERS	41.6
5	CTCI CORP.	22.1

ELECTRONIC ASSEMBLY		
RANK	FIRM	REVENUE (\$ MIL.**)
1	LARSEN & TOUBRO LTD.	131.4
2	ATKINSREALIS	42.6
3	SAMSUNG ENGINEERING CO. LTD.	37.0
4	STANTEC INC.	25.4
5	ARCADIS NV	16.7

AEROSPACE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	LARSEN & TOUBRO LTD.	80.6
2	EXP	17.6
3	ATKINSREALIS	11.6
4	SETEC	5.3
5	STANTEC INC.	5.0

TRANSMISSION LINES & CABLING		
RANK	FIRM	REVENUE (\$ MIL.**)
1	SIDARA	8.7
2	ARCADIS NV	8.2
3	WSP GLOBAL INC.	6.7
4	BLACK & VEATCH	3.7
5	STANTEC INC.	3.1

TOWERS & ANTENNAE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	RAMBOLL GROUP A/S	18.4
2	LARSEN & TOUBRO LTD.	14.3
3	IDOM	10.1
4	MORRISON HERSHFIELD	3.4
5	EMPRESARIOS AGRUPADOS INTERNACIONAL SA	1.5

DATA CENTERS & WEB HOTELS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	125.2
2	ARUP GROUP LTD.	112.6
3	BECHTEL	58.9
4	HDR	54.0
5	AECOM	50.3
6	RAMBOLL GROUP A/S	49.7
7	ROYAL HASKONINGDHV	41.4
8	BURNS & MCDONNELL	36.2
9	SIDARA	22.7
10	IPS-INTEGRATED PROJECT SERVICES LLC	16.3

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FRANCE

Eiffage Wins \$4.4B Contract For New Nuclear Power Units

France-based engineer-constructor Eiffage said Nov. 16 it expects to begin work in mid-2024 on two 1,650-MW nuclear power units in Normandy for utility EDF. Permits are expected in 2027. Eiffage said its \$4.4-billion contract is for civil work and construction of 69 structures. The project is part of an estimated \$57-billion nuclear power expansion in France announced this year. About 22 countries, including the U.S., Canada, Japan, France, UK and UAE, agreed Dec. 2 at the COP28 climate change conference in Dubai to triple nuclear generation by 2050 from a base year of 2020. Total global installed nuclear capacity of about 375 GW in 2020 is forecast to rise to 631 GW by 2050, said S&P Global.

CHILE

Spanish Firm Starts Work on Giant Energy Storage Project

Spanish renewable energy developer Grenergy is building a 1-GW solar energy project and estimated 4.1-GWh battery energy storage system in Chile's Atacama Desert, which it said will be the world's largest. The developer will invest \$1.4 billion in the Oasis de Atacama project.

UK

Firms Link to Explore Korean Nuclear Tech Use in Britain

U.K.'s Mott MacDonald and Korean engineer-contractor KEPCO have agreed to explore building large-scale nuclear projects in the U.K. using Korean technology. This follows South Korea's plan to invest \$26 billion in U.K. energy and infrastructure projects.



DECARBONIZING Scotland aims for floating wind power projects to reduce emissions at offshore oil and gas platforms.

North Sea CO₂ Cut Envisioned

Scotland inks new deals with floating wind power developers

Scotland has signed seven new agreements to develop floating offshore wind projects that would supply renewable energy to help North Sea oil and gas operations replace current gas and diesel power and reduce carbon emissions. The Innovation and Targeted Oil and Gas Program (INTOG) includes large-scale projects set to directly supply 5 GW of wind power to platforms over a 1,534-sq-km area and innovative small projects of 100 MW or less to produce 449 MW over 137 sq km, said government unit Crown Estate Scotland, which is managing the project. Innovations targeted include supply chain development, cost reductions and novel approaches to commercial methods and market development, said the unit.

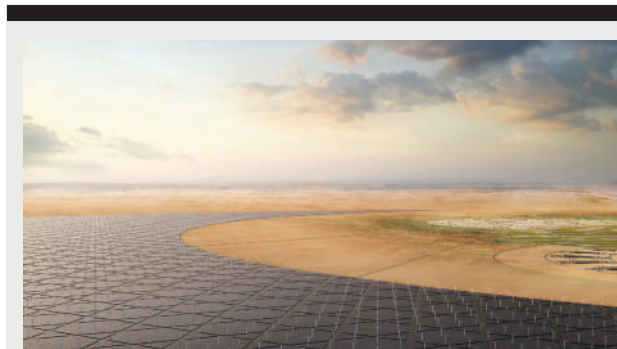
Final agreements are expected in 2024, but London-based developer Cerulean Winds announced Nov. 28 it has three floating wind agreements with Crown Estate Scotland. Its partners are Worley Ltd. as project manager and engineer, Siemens Energy for transmission, Siemens Gamesa as wind turbine provider and Houston-based NOV as marine contractor for floating units and mooring systems. The developer said its wind projects will be connected to form an offshore ring around the central North Sea, with the first wind power production targeted for 2028. ■

By Mary B. Powers

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Gigawatts of wind and solar energy to be installed in China in 2023, a global record, with an expected \$140B project investment

Wood MacKenzie
 Nov. 28 report



**MAURITANIA
 THIRD GREEN HYDROGEN PLANT IS PROPOSED**

Danish green energy developer GreenGo Energy plans to build Megaton Moon to develop 60 GW of wind and solar energy to power 35 GW of electrolysis the firm says will annually produce 4 million tons of green hydrogen and 18 million tons of green ammonia. Its first phase would operate by 2028. GreenGo says Mauritania has abundant clean energy resources and proximity to the Atlantic Ocean. Danish engineer COWI A/S and New Power Partners will design project components. Megaton Moon Dept. of is Mauritania's third proposed green hydrogen project since 2021. The U.S. Energy Dept. announced Dec. 4 an agreement with the country to provide technology to advance decarbonization of its steel production.

PHOTO CREDITS: GREENGO ENERGY (BOTTOM) AND GETTY IMAGES, IGBR/ALERESE/US (TOP)

Top International Contractors

POWER		
RANK	FIRM	REVENUE (\$ MIL.)*
1	VINCI	7,827.0
2	POWER CONSTRUCTION CORP. OF CHINA	6,600.1
3	CHINA ENERGY ENGINEERING CORP. LTD.	4,106.6
4	CHINA NATIONAL MACHINERY INDUSTRY CORP.	1,747.9
5	EIFPAGE	1,660.0
6	LARSEN & TOUBRO LTD.	1,563.2
7	BOUYGUES	1,498.0
8	SHANGHAI ELECTRIC GROUP CO. LTD.	1,236.3
9	SAMSUNG C&T CORP.	992.0
10	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	965.8
11	TBEA CO. LTD.	835.4
12	DONGFANG ELECTRIC CORP.	753.6
13	PCL CONSTRUCTION ENTERPRISES	742.2
14	CHINA ELECTRIC POWER EQUIPMENT AND TECH. CO. LTD.	727.1
15	GRUPO ACS/HOCHTIEF	693.8
16	HARBIN ELECTRIC INTERNATIONAL CO. LTD.	617.2
17	ACCIONA	592.0
18	POSCO ENGINEERING & CONSTRUCTION	568.4
19	CALIK ENERJI SANAYI VE TICARET AS	544.0
20	BLACK & VEATCH	536.9
21	ENKA INSAAT VE SANAYI AS	494.6
22	ATKINSREALIS	473.7
23	ROYAL BOSKALIS BV	470.0
24	THE ARAB CONTRACTORS (OSMAN AHMED OSMAN & CO.)	462.7
25	CHINA RAILWAY CONSTRUCTION CORP. LTD.	421.0
26	FERROVIAL	408.9
27	CHINA METALLURGICAL GROUP CORP.	360.9
28	NORINCO INTERNATIONAL COOPERATION LTD.	357.9
29	WOOD	339.9
30	LIMAK INSAAT SANAYI VE TICARET AS	310.0
31	RENAISSANCE CONSTRUCTION	308.8
32	LOTTE ENGINEERING & CONSTRUCTION CO. LTD.	291.0
33	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	268.1
34	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	266.9
35	XIAN ELECTRIC ENGINEERING CO. LTD.	251.8
36	MOTA-ENGIL	250.0
37	SHAPOORJI PALLONJI & CO. PRIVATE LTD.	242.0
38	HYUNDAI ENGINEERING CO. LTD.	224.2
39	KIEWIT CORP.	220.2
40	SKANSKA AB	217.4
41	CHINA GENERAL TECHNOLOGY (GROUP) HOLDING CO. LTD.	211.8
42	SHANDONG ELECTRIC POWER ENG'G CONSULTING	204.2
43	CHINA NUCLEAR ENGINEERING CORP. LTD.	203.1
44	BURNS & MCDONNELL	179.8
45	YENIGUN INSAAT SANAYI VE TICARET AS	159.5
46	TATA PROJECTS LTD.	153.6
47	MAIRE TECNIMONT SPA	151.9
48	BAUER AG	134.8
49	CHINA INTERNATIONAL WATER & ELECTRIC CORP. (CWE)	124.4
50	CTCI CORP.	118.1

Top International Design Firms

POWER		
RANK	FIRM	REVENUE (\$ MIL.)*
1	POWER CONSTRUCTION CORP. OF CHINA	1,220.7
2	CHINA ENERGY ENGINEERING CORP. LTD.	1,082.5
3	WSP GLOBAL INC.	653.9
4	JACOBS SOLUTIONS INC.	523.3
5	FUGRO NV	505.5
6	WORLEY LTD.	438.2
7	STANTEC INC.	324.3
8	AFRY	310.0
9	ATKINSREALIS	296.8
10	TRACTEBEL	292.0
11	ARCADIS NV	284.2
12	TETRA TECH	230.0
13	WOOD	190.8
14	MOTT MACDONALD	155.5
15	ASSYSTEM	144.0
16	HATCH LTD.	135.0
17	RAMBOLL GROUP A/S	132.2
18	FICHTNER GROUP	131.6
19	BLACK & VEATCH	129.5
20	SWECO AB	119.0
21	AECOM	116.5
22	SURBANA JURONG PRIVATE LTD.	103.5
23	SARGENT & LUNDY	91.0
24	CHINA NATIONAL MACHINERY INDUSTRY CORP.	71.0
25	COWI A/S	66.5
26	ILF CONSULTING ENGINEERS	59.7
27	DOHWA ENGINEERING CO. LTD.	58.9
28	IDOM	47.8
29	KEPCO ENGINEERING & CONSTRUCTION CO. INC.	46.9
30	EMPRESARIOS AGRUPADOS INTERNACIONAL SA	44.5
31	ARTELIA	38.8
32	POWER ENGINEERS INC.	37.5
33	BURNS & MCDONNELL	34.6
34	CISPDR CORPORATION	33.5
35	SIDARA	31.9
36	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	31.7
37	ENERGOPROJEKT HOLDING PLC	31.2
38	ARUP GROUP LTD.	31.1
39	KHATIB & ALAMI	30.9
40	EGIS	30.5
41	TECNICA Y PROYECTOS SA (TYPSA)	30.0
42	NIPPON KOEI GROUP	28.5
43	KIEWIT CORP.	28.4
44	LOMBARDI GROUP	23.1
45	EXP	21.1
46	CHINA TRIUMPH INTERNATIONAL ENGINEERING CO. LTD.	20.0
47	ROYAL HASKONINGDHV	19.8
48	GHD	17.1
49	SETEC	16.5
50	SHAKER GROUP	14.8

*BASED ON 2022 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 2022 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK SURVEYS. SEE ENR.COM FOR COMPLETE LISTINGS.

Top International Contractors

FOSSIL FUEL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	POWER CONSTRUCTION CORP. OF CHINA	1,976.3
2	CHINA ENERGY ENGINEERING CORP. LTD.	1,525.5
3	DONGFANG ELECTRIC CORP.	607.0
4	POSCO ENGINEERING & CONSTRUCTION	566.9
5	CHINA NATIONAL MACHINERY INDUSTRY CORP.	562.3
6	CALIK ENERJI SANAYI VE TICARET AS	507.0
7	BLACK & VEATCH	485.0
8	HARBIN ELECTRIC INTERNATIONAL CO. LTD.	422.8
9	SHANGHAI ELECTRIC GROUP CO. LTD.	413.4
10	ENKA INSAAT VE SANAYI AS	342.9
11	LIMAK INSAAT SANAYI VE TICARET AS	220.0
12	HYUNDAI ENGINEERING CO. LTD.	213.7
13	NORINCO INTERNATIONAL COOPERATION LTD.	204.6
14	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	199.3
15	CHINA METALLURGICAL GROUP CORP.	186.2
16	BURNS & MCDONNELL	155.1
17	CTCI CORP.	118.1
18	CHINA GENERAL TECHNOLOGY (GROUP) HOLDING CO. LTD.	92.5
19	ATKINSREALIS	84.4
20	CITIC CONSTRUCTION CO. LTD.	74.6
21	LARSEN & TOUBRO LTD.	57.5
22	SINOMA INTERNATIONAL ENGINEERING CO. LTD.	45.0
23	SKANSKA AB	38.5
24	NANTONG CONSTRUCTION GROUP CO. LTD.	22.7
25	SHANDONG HI-SPEED DEJIAN GROUP CO. LTD.	19.6

NUCLEAR PLANTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA NUCLEAR ENGINEERING CORP. LTD.	128.6
2	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	82.9
3	UNITED ENGINEERS & CONSTRUCTORS INC.	67.5
4	SYNERGY CONSTRUCT SRL	20.0
5	BAUER AG	13.5
6	CHINA ENERGY ENGINEERING CORP. LTD.	12.9
7	ENKA INSAAT VE SANAYI AS	8.0
8	FLUOR	5.4
9	GRUPO ACS/HOCHTIEF	3.0
10	SKANSKA AB	2.4

Top International Design Firms

FOSSIL FUEL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA ENERGY ENGINEERING CORP. LTD.	514.6
2	WSP GLOBAL INC.	129.2
3	BLACK & VEATCH	76.2
4	AFRY	48.3
5	WORLEY LTD.	39.3
6	FICHTNER GROUP	31.3
7	STANTEC INC.	27.2
8	SARGENT & LUNDY	25.0
9	CHINA NATIONAL MACHINERY INDUSTRY CORP.	23.5
10	TRACTEBEL	23.2
11	MOTT MACDONALD	22.5
12	BURNS & MCDONNELL	19.9
13	IDOM	18.7
14	POWER CONSTRUCTION CORP. OF CHINA	15.6
15	SENER GRUPO DE INGENIERÍA SA	12.5
16	EMPRESARIOS AGRUPADOS INTERNACIONAL SA	10.0
17	NIPPON KOEI GROUP	7.7
18	ARTELIA	7.6
19	POWER ENGINEERS INC.	6.7
20	KIEWIT CORP.	4.2
21	EXP	4.0
22	GEOSYNTEC CONSULTANTS	3.3
23	AECOM	2.4
24	KHATIB & ALAMI	1.9
25	JACOBS SOLUTIONS INC.	1.8

NUCLEAR PLANTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	JACOBS SOLUTIONS INC.	367.9
2	ATKINSREALIS	207.7
3	ASSYSTEM	138.0
4	TRACTEBEL	67.6
5	SARGENT & LUNDY	65.0
6	WORLEY LTD.	47.4
7	KEPCO ENGINEERING & CONSTRUCTION CO. INC.	46.8
8	HATCH LTD.	41.0
9	WSP GLOBAL INC.	39.2
10	EGIS	30.5

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Top International Contractors

HYDRO PLANTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA ENERGY ENGINEERING CORP. LTD.	1,671.7
2	POWER CONSTRUCTION CORP. OF CHINA	1,413.1
3	THE ARAB CONTRACTORS (OSMAN AHMED OSMAN & CO.)	460.0
4	KIEWIT CORP.	203.3
5	GRUPO ACS/HOCHTIEF	139.8
6	CHINA NATIONAL MACHINERY INDUSTRY CORP.	131.6
7	CHINA INTERNATIONAL WATER & ELECTRIC CORP. (CWE)	88.7
8	SKANSKA AB	60.9
9	DONGFANG ELECTRIC CORP.	59.9
10	JIANGXI WATER AND HYDROPOWER CONSTR. CO. LTD.	52.8
11	SHIMIZU CORP.	41.7
12	BAUER AG	40.4
13	NORINCO INTERNATIONAL COOPERATION LTD.	27.5
14	BARNARD CONSTRUCTION CO. INC.	22.8
15	CHINA GENERAL TECHNOLOGY (GROUP) HOLDING CO. LTD.	21.9
16	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	20.1
17	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	11.7
18	CHINA GEO-ENGINEERING CORP.	10.2
19	CGCOC GROUP CO. LTD.	9.8
20	HYUNDAI ENGINEERING CO. LTD.	8.9

COGENERATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	256.0
2	PCL CONSTRUCTION ENTERPRISES	252.9
3	CHINA METALLURGICAL GROUP CORP.	168.8
4	CHINA ENERGY ENGINEERING CORP. LTD.	150.1
5	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	55.9
6	BLACK & VEATCH	51.7
7	SENER GRUPO DE INGENIERÍA SA	25.1
8	CHINA NATIONAL MACHINERY INDUSTRY CORP.	20.8
9	WEBUILD SPA	20.4
10	ZHONGYIFENG CONSTRUCTION GROUP CO. LTD.	13.1

OPERATIONS & MAINTENANCE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	POWER CONSTRUCTION CORP. OF CHINA	94.0
2	CHINA NATIONAL MACHINERY INDUSTRY CORP.	77.4
3	CHINA ENERGY ENGINEERING CORP. LTD.	70.0
4	DAY & ZIMMERMANN	52.3
5	CALIK ENERJI SANAYI VE TICARET AS	30.0
6	PCL CONSTRUCTION ENTERPRISES	19.9
7	CHINA GENERAL TECHNOLOGY (GROUP) HOLDING CO. LTD.	19.1
8	CHINA INTERNATIONAL WATER & ELECTRIC CORP. (CWE)	18.8
9	HARBIN ELECTRIC INTERNATIONAL CO. LTD.	18.2
10	CHINA NUCLEAR ENGINEERING CORP. LTD.	16.6

Top International Design Firms

HYDRO PLANTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	POWER CONSTRUCTION CORP. OF CHINA	124.7
2	TRACTEBEL	116.2
3	TETRA TECH	85.0
4	STANTEC INC.	80.3
5	SURBANA JURONG PRIVATE LTD.	74.5
6	HATCH LTD.	74.0
7	AFRY	65.7
8	WSP GLOBAL INC.	36.8
9	MOTT MACDONALD	31.6
10	KIEWIT CORP.	23.1
11	CISPRD CORPORATION	21.6
12	ARTELIA	15.9
13	NIPPON KOEI GROUP	15.7
14	DLZ CORP.	13.2
15	FICHTNER GROUP	9.6
16	CHINA INTERNATIONAL WATER & ELECTRIC CORP. (CWE)	8.0
17	CHINA ENERGY ENGINEERING CORP. LTD.	7.2
18	ATKINSREALIS	6.4
19	CHINA NATIONAL MACHINERY INDUSTRY CORP.	5.3
20	ILF CONSULTING ENGINEERS	4.2

COGENERATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WORLEY LTD.	110.2
2	AFRY	42.0
3	WSP GLOBAL INC.	35.1
4	FICHTNER GROUP	29.5
5	BLACK & VEATCH	23.3
6	JACOBS SOLUTIONS INC.	9.4
7	STANTEC INC.	9.1
8	ILF CONSULTING ENGINEERS	5.0
9	EMPRESARIOS AGRUPADOS INTERNACIONAL SA	3.5
10	COWI A/S	3.2

OPERATIONS & MAINTENANCE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	AECOM	17.6
2	KHATIB & ALAMI	12.7
3	AFRY	9.9
4	FICHTNER GROUP	8.6
5	SURBANA JURONG PRIVATE LTD.	7.5
6	WSP GLOBAL INC.	6.2
7	CHINA ENERGY ENGINEERING CORP. LTD.	3.4
8	CHINA NATIONAL MACHINERY INDUSTRY CORP.	3.1
9	BLACK & VEATCH	2.8
10	LEIDOS	1.0

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Top International Contractors

TRANSMISSION AND DISTRIBUTION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	LARSEN & TOUBRO LTD.	1,187.0
2	TBEA CO. LTD.	835.4
3	CHINA ELECTRIC POWER EQUIPMENT AND TECH. CO. LTD.	670.5
4	POWER CONSTRUCTION CORP. OF CHINA	516.8
5	GRUPO ACS/HOCHTIEF	400.0
6	ATKINSREALIS	389.3
7	XIAN ELECTRIC ENGINEERING CO. LTD.	251.8
8	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	238.4
9	CHINA NATIONAL MACHINERY INDUSTRY CORP.	224.8
10	CHINA ENERGY ENGINEERING CORP. LTD.	152.0
11	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	136.2
12	SKANSKA AB	104.4
13	CHINA GENERAL TECHNOLOGY (GROUP) HOLDING CO. LTD.	78.4
14	BAUER AG	67.4
15	PETROFAC LTD.	44.7
16	WORLEY LTD.	44.4
17	CHINA RAILWAY CONSTRUCTION CORP. LTD.	25.0
18	BURNS & MCDONNELL	24.7
19	CHINA INTERNATIONAL WATER & ELECTRIC CORP. (CWE)	17.0
20	SHANGHAI ELECTRIC GROUP CO. LTD.	9.0
21	PCL CONSTRUCTION ENTERPRISES	8.8
22	KAJIMA CORP.	8.5
23	CHINA GANSU INT'L ECON. AND TECH. COOP. CO. LTD.	8.4
24	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	7.8
25	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	7.4

WIND GENERATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ENKA INSAAT VE SANAYI AS	143.8
2	NORINCO INTERNATIONAL COOPERATION LTD.	125.7
3	CHINA ENERGY ENGINEERING CORP. LTD.	106.3
4	POWER CONSTRUCTION CORP. OF CHINA	84.8
5	DONGFANG ELECTRIC CORP.	84.0
6	MASTEC INC.	59.7
7	SACYR	42.3
8	SHANXI CONSTRUCTION INVESTMENT GROUP CO. LTD.	37.4
9	CHINA NUCLEAR ENGINEERING CORP. LTD.	35.2
10	CHINA ELECTRIC POWER EQUIPMENT AND TECH. CO. LTD.	22.5

SOLAR GENERATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	SHANGHAI ELECTRIC GROUP CO. LTD.	813.9
2	POWER CONSTRUCTION CORP. OF CHINA	711.1
3	CHINA NATIONAL MACHINERY INDUSTRY CORP.	603.0
4	PCL CONSTRUCTION ENTERPRISES	457.7
5	CHINA RAILWAY CONSTRUCTION CORP. LTD.	362.0
6	LARSEN & TOUBRO LTD.	317.5
7	CHINA ENERGY ENGINEERING CORP. LTD.	198.9
8	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	188.7
9	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	130.7
10	LIMAK INSAAT SANAYI VE TICARET AS	90.0

Top International Design Firms

TRANSMISSION AND DISTRIBUTION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	335.8
2	ARCADIS NV	272.8
3	STANTEC INC.	157.2
4	WORLEY LTD.	107.5
5	CHINA ENERGY ENGINEERING CORP. LTD.	102.8
6	RAMBOLL GROUP A/S	83.2
7	JACOBS SOLUTIONS INC.	79.0
8	AFRY	55.4
9	AECOM	44.6
10	ATKINSREALIS	44.4
11	TETRA TECH	42.0
12	TRACTEBEL	40.5
13	ILF CONSULTING ENGINEERS	35.5
14	MOTT MACDONALD	35.1
15	POWER ENGINEERS INC.	30.7
16	SIDARA	27.9
17	FICHTNER GROUP	26.1
18	SURBANA JURONG PRIVATE LTD.	21.5
19	KHATIB & ALAMI	16.4
20	POWER CONSTRUCTION CORP. OF CHINA	13.9
21	BURNS & MCDONNELL	13.4
22	EXP	11.4
23	CISPRD CORPORATION	10.2
24	FLUOR	10.1
25	CHINA NATIONAL MACHINERY INDUSTRY CORP.	9.0

WIND GENERATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	POWER CONSTRUCTION CORP. OF CHINA	623.3
2	CHINA ENERGY ENGINEERING CORP. LTD.	306.5
3	WORLEY LTD.	106.1
4	TETRA TECH	63.0
5	MOTT MACDONALD	52.7
6	COWI A/S	51.6
7	RAMBOLL GROUP A/S	44.5
8	WSP GLOBAL INC.	31.7
9	JACOBS SOLUTIONS INC.	30.7
10	TRACTEBEL	24.0

SOLAR GENERATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	POWER CONSTRUCTION CORP. OF CHINA	305.9
2	CHINA ENERGY ENGINEERING CORP. LTD.	101.1
3	JACOBS SOLUTIONS INC.	33.7
4	STANTEC INC.	25.8
5	WORLEY LTD.	25.2
6	CHINA NATIONAL MACHINERY INDUSTRY CORP.	24.1
7	WSP GLOBAL INC.	21.6
8	HATCH LTD.	20.0
9	TETRA TECH	20.0
10	CHINA TRIUMPH INTERNATIONAL ENGINEERING CO. LTD.	20.0

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GERMANY

Steel Giant ThyssenKrupp Plans Big Decarbonization

ThyssenKrupp Steel Europe AG has selected U.S.-based Jacobs to manage the decarbonization of its steel mill in Duisburg, Germany, which the manufacturer says is Europe's largest. The project, which involves substituting coke blast furnaces with hydrogen-powered electric smelters, is one of the largest industrial decarbonization projects worldwide, Jacobs said. When operational in 2026, the site will produce 2.5 million tons of direct-reduced iron annually and cut carbon emissions by up to 3.5 million tons per year. ThyssenKrupp Steel is set to produce 5 million metric tons of low-carbon steel by 2030 and be completely climate-neutral by 2045, Jacobs said.

TRINIDAD AND TOBAGO

Shell Authorizes McDermott To Build Manatee Gas Field

U.S.-based contractor McDermott International said Nov. 28 that energy giant Shell has given it a notice to proceed for engineering, procurement construction, installation and commissioning of the offshore Manatee gas field project in Trinidad and Tobago, including a wellhead platform and offshore and onshore gas pipelines. The contract value and estimated project development costs were not disclosed. Energy Minister Stuart Young said on Nov. 28 that he expected a final investment decision in a "very short timeframe." That action is set for next year, a Shell spokesperson told Reuters. When operating, Manatee is set to produce 700 million cu ft per day for domestic use and export. The field, shared with Venezuela, holds about 10 trillion cu ft of natural gas. McDermott also won a project front-end design contract earlier this year.

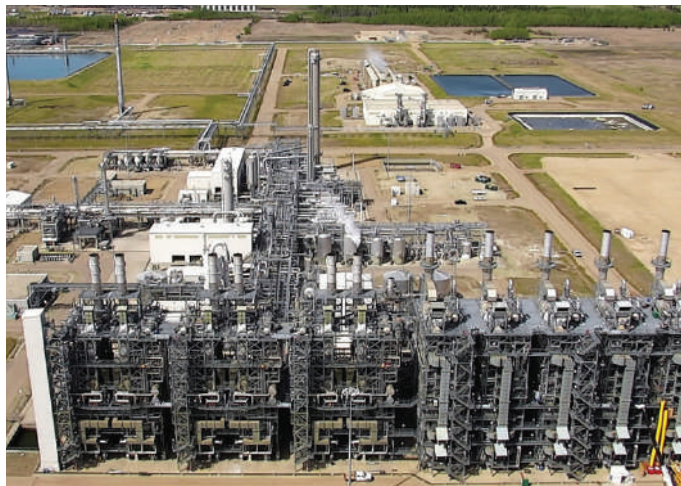
\$102B

2024-28 investment by state-run Brazil oil firm Petrobras, with most of it for oil production but also including \$11B for low carbon initiatives.

—Petrobras new strategic plan

Dow Inks Big Petrochem Job

Board okays \$6.5B Alberta project, with Fluor in key roles



CARBON CUTTING

Chemical giant's Alberta production site will get a multibillion-dollar investment to boost output and develop what the firm claims will be the world's first net-zero ethylene and derivatives complex.

Petrochemical giant Dow will build a \$6.5-billion project, including a new ethylene cracker and expanded polyethylene production at its Fort Saskatchewan, Alberta, site, the firm said Nov. 28 in making the final investment decision. Dow said the project will create the world's first net-zero ethylene and derivatives complex, and will decarbonize 20% of its global capacity. Construction will begin in 2024, with first-phase startup in 2027. Fluor Corp. announced Dec. 4 that it won \$3 billion of EPCM and other construction work at the site, and it previously said it was managing front-end engineering and design. The project would qualify for about \$1.5 billion in federal, provincial and local government subsidies, said a Dow spokeswoman, with prevailing wage mandates. About 28 project labor agreements have been signed, she added. Dow said the investment will create up to 8,000 construction jobs at peak and 500 permanently in the plant. The project first phase will add about 1.29 million tons per year of ethylene and polyethylene capacity. The second phase, to start in 2029, will add 600,000 tpy. The project would cut site CO₂ emissions by about 1 million metric tons per year, Dow said. ■

By Debra K. Rubin

QATAR

WORLEY AWARDED GAS FIRM CO₂ SEQUESTRATION PROJECT DESIGN



Australia-based Worley will develop the front-end design for QatarEnergy LNG's CO₂ sequestration project at its Ras Laffan site (left), the services firm said. The project will enable the energy provider to capture 4.3 million metric tons per year of CO₂ from a total of 10 selected trains, which will be compressed and injected into new injection wells. Worley will develop the FEED study and EPC scope of work, but the financial terms of its contract and project investment were not disclosed. It will execute the project, set to finish in 2024, from Qatar and Australia. Worley also announced in late October a FEED contract award for the first 500-MW phase of the 3-GW Kintore green hydrogen project in Aberdeenshire, Scotland, for U.K.-based Statera Energy, which it said would be Europe's largest when complete. The project aims to harness surplus offshore wind power to produce the renewable hydrogen. The proposed FEED study is set to finish in 2024, with Worley saying that the full 3 GW of production is expected online "by the 2030s."

Top International Contractors

PETROLEUM		
RANK	FIRM	REVENUE (\$ MIL.*)
1	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	5,181.2
2	JGC HOLDINGS CORP.	3,868.0
3	SAMSUNG ENGINEERING CO. LTD.	3,528.6
4	CHINA PETROLEUM ENGINEERING CO. LTD.	3,369.7
5	FLUOR	3,158.5
6	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	3,149.8
7	MAIRE TECNIMONT SPA	2,889.8
8	PETROFAC LTD.	2,295.4
9	HYUNDAI ENGINEERING CO. LTD.	2,053.8
10	WORLEY LTD.	1,820.6
11	CHIYODA CORP.	1,804.3
12	WOOD	1,680.3
13	KIEWIT CORP.	1,677.1
14	LARSEN & TOUBRO LTD.	1,353.0
15	SICIM SPA	1,122.7
16	OFFSHORE OIL ENGINEERING CO. LTD.	1,018.2
17	BECHTEL	977.0
18	NATIONAL MARINE DREDGING COMPANY (NMDC)	806.3
19	DAEWOO ENGINEERING AND CONSTRUCTION CO. LTD.	763.8
20	CTCI CORP.	757.7
21	MICHELS CORP.	698.9
22	BONATTI	681.0
23	CONSOLIDATED CONTRACTORS GROUP	670.1
24	TOYO ENGINEERING CORP.	644.4
25	CONTRACTING AND TRADING CO. (C.A.T.)	634.2
26	SINOPEC ENGINEERING (GROUP) CO. LTD.	623.1
27	SK ECOPLANT	613.7
28	DL E&C CO. LTD.	603.0
29	SINOPEC ZHONGYUAN PETROLEUM ENGINEERING LTD.	586.4
30	ENKA INSAAT VE SANAYI AS	523.7
31	RENAISSANCE CONSTRUCTION	500.8
32	SAMSUNG C&T CORP.	482.0
33	GRUPO ACS/HOCHTIEF	451.4
34	MOTA-ENGIL	393.0
35	VINCI	391.0
36	TEKFEN CONSTRUCTION AND INSTALLATION CO. INC.	374.0
37	PETRO. PROJECTS AND TECH. CONSULT. CO. - PETROJET	323.7
38	GS ENGINEERING & CONSTRUCTION	255.9
39	CHINA NATIONAL MACHINERY INDUSTRY CORP.	235.7
40	CHINA ENERGY ENGINEERING CORP. LTD.	234.2
41	PCL CONSTRUCTION ENTERPRISES	213.2
42	APTIM	211.5
43	SHANDONG HI-SPEED GROUP CO. LTD.	204.5
44	POSCO ENGINEERING & CONSTRUCTION	199.2
45	VELESSTROY LLC	198.0
46	DONGFANG ELECTRIC CORP.	197.2
47	ENG'G FOR THE PETROLEUM & PROCESS INDUSTRIES (ENPPI)	179.1
48	BARNARD CONSTRUCTION CO. INC.	172.3
49	BOUYGUES	147.0
50	JAN DE NUL GROUP (SOFIDRA SA)	141.0

Top International Design Firms

PETROLEUM		
RANK	FIRM	REVENUE (\$ MIL.*)
1	WORLEY LTD.	2,835.6
2	FLUOR	2,223.4
3	WOOD	1,744.9
4	FUGRO NV	611.1
5	MAIRE TECNIMONT SPA	508.6
6	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	391.6
7	PETROFAC LTD.	260.7
8	INTERTEK-PSI	199.8
9	SAMSUNG ENGINEERING CO. LTD.	198.2
10	CHINA PETROLEUM ENGINEERING CO. LTD.	183.1
11	BECHTEL	167.0
12	WSP GLOBAL INC.	139.3
13	STANTEC INC.	106.4
14	MOTT MACDONALD	103.0
15	ILF CONSULTING ENGINEERS	83.2
16	LARSEN & TOUBRO LTD.	82.5
17	JGC HOLDINGS CORP.	77.0
18	ENG'G FOR THE PETROLEUM & PROCESS INDUSTRIES (ENPPI)	70.5
19	CTCI CORP.	68.8
20	BILFINGER TEBODIN	56.7
21	DL E&C CO. LTD.	56.1
22	HATCH LTD.	53.0
23	SINOPEC ENGINEERING (GROUP) CO. LTD.	52.5
24	ARTELIA	47.3
25	TETRA TECH	43.0
26	TRACTEBEL	34.3
27	IDOM	33.3
28	KIEWIT CORP.	31.5
29	AECOM	30.2
30	BLACK & VEATCH	28.6
31	SIDARA	15.9
32	AUDUBON	15.8
33	ATKINSREALIS	13.2
34	TATA PROJECTS LTD.	13.2
35	KHATIB & ALAMI	12.9
36	CHINA NATIONAL MACHINERY INDUSTRY CORP.	12.2
37	OFFSHORE OIL ENGINEERING CO. LTD.	11.4
38	KLEINFELDER	11.1
39	AYESA	11.0
40	GHD	10.0
41	ARUP GROUP LTD.	9.0
42	SENER GRUPO DE INGENIERÍA SA	8.7
43	SK ECOPLANT	7.9
44	PROGER SPA	7.8
45	CONSOLIDATED CONTRACTORS GROUP	6.8
46	RANHILL BERSEKUTU SDN BHD	6.1
47	TEKFEN MUHENDISLIK AS	5.8
48	EXP	4.4
49	POND AND CO.	3.1
50	THORNTON TOMASETTI	3.0

*BASED ON 2022 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 2022 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	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	3,149.1
2	FLUOR	3,145.0
3	SAMSUNG ENGINEERING CO. LTD.	2,993.5
4	MAIRE TECNIMONT SPA	2,306.5
5	HYUNDAI ENGINEERING CO. LTD.	2,053.8
6	PETROFAC LTD.	1,173.0
7	BECHTEL	977.5
8	CTCI CORP.	757.7
9	WORLEY LTD.	695.7
10	CONSOLIDATED CONTRACTORS GROUP	663.9
11	SINOPEC ENGINEERING (GROUP) CO. LTD.	623.1
12	DL E&C CO. LTD.	602.8
13	ENKA INSAAT VE SANAYI AS	445.4
14	GRUPO ACS/HOCHTIEF	420.0
15	TEKFEN CONSTRUCTION AND INSTALLATION CO. INC.	347.0
16	SICIM SPA	288.9
17	GS ENGINEERING & CONSTRUCTION	252.7
18	CHINA ENERGY ENGINEERING CORP. LTD.	233.9
19	SHANDONG HI-SPEED GROUP CO. LTD.	204.5
20	VELESSTROY LLC	198.0
21	CHINA NATIONAL MACHINERY INDUSTRY CORP.	190.6
22	LARSEN & TOUBRO LTD.	179.2
23	ENG'G FOR THE PETROLEUM & PROCESS INDUSTRIES (ENPPI)	175.6
24	PETRO. PROJECTS AND TECH. CONSULT. CO. - PETROJET	170.5
25	CHINA PETROLEUM ENGINEERING CO. LTD.	154.7

MAINTENANCE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA PETROLEUM ENGINEERING CO. LTD.	1,417.6
2	PETROFAC LTD.	570.3
3	APTIM	208.1
4	PCL CONSTRUCTION ENTERPRISES	167.6
5	EGYPTIAN MAINTENANCE CO. (EMC)	83.2

OFFSHORE AND UNDERWATER FACILITIES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	OFFSHORE OIL ENGINEERING CO. LTD.	1,018.2
2	WORLEY LTD.	727.0
3	NATIONAL MARINE DREDGING COMPANY (NMDC)	607.6
4	LARSEN & TOUBRO LTD.	448.9
5	CHINA PETROLEUM ENGINEERING CO. LTD.	74.9
6	BLACK & VEATCH	38.2
7	PETROFAC LTD.	34.5
8	GRUPO ACS/HOCHTIEF	23.4
9	BAUER AG	21.8
10	HANWHA ENGINEERING & CONSTRUCTION	15.6

Top International Design Firms

REFINERIES AND PETROCHEMICAL PLANTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	FLUOR	2,033.5
2	WORLEY LTD.	1,676.7
3	MAIRE TECNIMONT SPA	416.9
4	SAMSUNG ENGINEERING CO. LTD.	167.0
5	BECHTEL	166.4
6	PETROFAC LTD.	133.2
7	ENG'G FOR THE PETROLEUM & PROCESS INDUSTRIES (ENPPI)	69.2
8	CTCI CORP.	68.8
9	LARSEN & TOUBRO LTD.	54.0
10	HATCH LTD.	53.0
11	SINOPEC ENGINEERING (GROUP) CO. LTD.	52.5
12	STANTEC INC.	52.3
13	BILFINGER TEBODIN	45.6
14	IDOM	33.3
15	WSP GLOBAL INC.	23.2
16	ILF CONSULTING ENGINEERS	15.9
17	KHATIB & ALAMI	12.9
18	CHINA NATIONAL MACHINERY INDUSTRY CORP.	10.3
19	KIEWIT CORP.	9.5
20	BLACK & VEATCH	7.6
21	SIDARA	6.7
22	CONSOLIDATED CONTRACTORS GROUP	6.5
23	AECOM	6.3
24	MOTT MACDONALD	4.9
25	CHINA PETROLEUM ENGINEERING CO. LTD.	4.3

MAINTENANCE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA PETROLEUM ENGINEERING CO. LTD.	148.8
2	PETROFAC LTD.	64.8
3	AECOM	23.6
4	STANTEC INC.	5.7
5	SIDARA	1.3

OFFSHORE AND UNDERWATER FACILITIES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WORLEY LTD.	473.8
2	FLUOR	164.2
3	LARSEN & TOUBRO LTD.	27.2
4	BLACK & VEATCH	21.0
5	TETRA TECH	20.0
6	WSP GLOBAL INC.	16.2
7	MOTT MACDONALD	13.4
8	OFFSHORE OIL ENGINEERING CO. LTD.	11.7
9	RANHILL BERSEKUTU SDN BHD	6.1
10	CHINA PETROLEUM ENGINEERING CO. LTD.	6.1

*BASED ON 2022 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.
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Top International Contractors

PIPELINES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA PETROLEUM ENGINEERING CO. LTD.	1,722.5
2	KIEWIT CORP.	1,616.1
3	SICIM SPA	808.8
4	MICHELS CORP.	697.5
5	CONTRACTING AND TRADING CO. (C.A.T.)	634.2
6	WORLEY LTD.	285.7
7	BARNARD CONSTRUCTION CO. INC.	172.3
8	NATIONAL MARINE DREDGING COMPANY (NMDC)	164.6
9	PETRO. PROJECTS AND TECH. CONSULT. CO. - PETROJET	153.2
10	MASTEC INC.	84.1
11	LARSEN & TOUBRO LTD.	83.3
12	CHINA NATIONAL MACHINERY INDUSTRY CORP.	45.1
13	WEEKS MARINE INC.	34.5
14	TEKFEN CONSTRUCTION AND INSTALLATION CO. INC.	27.0
15	CHINA RAILWAY CONSTRUCTION CORP. LTD.	21.0
16	ATKINSREALIS	9.8
17	NORINCO INTERNATIONAL COOPERATION LTD.	9.2
18	GRUPO ACS/HOCHTIEF	8.0
19	CONSOLIDATED CONTRACTORS GROUP	6.1
20	FLUOR	6.1
21	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	5.9
22	ENG'G FOR THE PETROLEUM & PROCESS INDUSTRIES (ENPPI)	3.4
23	SENER GRUPO DE INGENIERÍA SA	2.3
24	EGYPTIAN MAINTENANCE CO. (EMC)	1.3
25	ECC	0.5

Top International Design Firms

PIPELINES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WORLEY LTD.	231.9
2	INTERTEK-PSI	149.3
3	MOTT MACDONALD	84.7
4	WSP GLOBAL INC.	70.5
5	STANTEC INC.	46.8
6	ILF CONSULTING ENGINEERS	44.3
7	CHINA PETROLEUM ENGINEERING CO. LTD.	24.0
8	KIEWIT CORP.	22.0
9	TETRA TECH	19.0
10	ATKINSREALIS	13.0
11	FLUOR	11.1
12	ARUP GROUP LTD.	6.6
13	SIDARA	6.2
14	BILFINGER TEBODIN	5.1
15	EXP	4.4
16	CHINA NATIONAL MACHINERY INDUSTRY CORP.	1.8
17	HDR	1.6
18	BURNS & MCDONNELL	1.5
19	ASSOCIATED CONSULTING ENGINEERS	1.5
20	SENER GRUPO DE INGENIERÍA SA	1.5
21	ENG'G FOR THE PETROLEUM & PROCESS INDUSTRIES (ENPPI)	1.3
22	DORSCH HOLDING GMBH	1.0
23	BARR ENGINEERING CO.	0.8
24	GEOSYNTEC CONSULTANTS	0.7
25	WALDEMAR S. NELSON AND CO. INC.	0.4

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WATER CYCLE New plant will generate four times more energy than currently consumed, says the engineering team.

Côte d'Azur Treatment

Nice, France, wastewater plant works on circular economy idea

A consortium led by France-based Suez Group, with Razel-Bec and VINCI subsidiary Triverio Construction has been awarded a civil engineering contract for the Haliotis 2 wastewater treatment facility in Nice, by Métropole Nice Côte d'Azur and Eau d'Azur. The \$770-million project, which will replace the existing plant and treat wastewater from 680,000 residents across 26 municipalities, will be the largest of its kind in France, according to the team.

Among plant features is its ability to remove 90% of microplastics and the generation of renewable energy, including solar and biomethane from sludge, during treatment. Work will start in the summer of next year and will include demolition or repurposing of existing structures and building new wastewater treatment facilities, as well as air treatment and recovery systems for heat and biogas. The project will also include 4.5 landscaped hectares with 600 trees. The plant is expected to come on line in phases from 2025 to 2030, with most of the current equipment and future demolition materials to be reused as backfill.

"Haliotis 2 will be an environmental benchmark. It will combine the reduction of microplastics, the reuse of treated wastewater and the production of green and local energy," said Sabrina Soussan, Suez Chairman and CEO, in a statement. She termed the plant "a technological performance that meets the challenges of the coming years in terms of water quality, the circular economy and decarbonization." ■

By Corinne Grinapol

THE NETHERLANDS A 'LIVING LAB' TO SAVE WATER

Dutch water utility Vitens, which relies on groundwater for its water supply, has chosen a consortium that includes ADS Group Water B.V. as contractor and Ramboll as subject matter expert on the "living lab." The project will allow the utility to test water treatment technologies and increase its supply. The team will develop the project over five years under a design, build, operate and maintain contract. The demonstration plant will be designed and built in two phases, with a capacity of 5 to 10-million cu m per year. Phase three will involve operations. A panel of international experts will advise and learn from the project.



SPAIN Carbon Capture and Conversion at Wastewater Treatment Plant

ACCIONA is part of the seven-country, European Union-funded HICCUPS project. At a demonstration plant that will be built and housed at an ACCIONA wastewater treatment plant in Spain, CO₂ emissions produced during the treatment process will be captured from biogas and converted to monomers. These small molecules can bond to other molecules, in this case creating the polymer PLGA. The project will explore the potential of the polymer to replace polyethylene in packaging materials that will be made with PLGA film-coated paper and injection molding. The project, which launched in September, will run through August 2027 and is funded by a \$5.4-million EU grant. Avantium is the project coordinator.

UK Piloting a Saltmarsh Carbon Code

Jacobs is part of a team being led by the UK Centre for Ecology and Hydrology based in England to develop and test a UK Saltmarsh Carbon Code, which will be a voluntary standard. The code will create a framework for carbon captured by saltmarshes and other coastal systems, dubbed blue carbon, to be sold and traded in the form of carbon offsets, with proceeds going toward coastal restoration projects. The code will spur up to \$1.39 billion worth of private investment, according to Jacobs.

BY THE NUMBERS

38 BILLION TONNES

Projected CO₂ emissions in 2023, a 1.1% increase from 2022

.01 MILLION TONNES

Amount of CO₂ being captured through technology

— Peer-reviewed Global Carbon Budget Report 2023

Top International Contractors

WATER SUPPLY		
RANK	FIRM	REVENUE (\$ MIL.)*
1	WEBUILD SPA	1,697.7
2	ACCIONA	1,015.0
3	POWER CONSTRUCTION CORP. OF CHINA	757.0
4	STRABAG SE	623.6
5	VINCI	508.0
6	FCC SA	507.7
7	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	481.4
8	GRUPO ACS/HOCHTIEF	459.7
9	CHINA ENERGY ENGINEERING CORP. LTD.	404.5
10	FERROVIAL	327.3
11	GS ENGINEERING & CONSTRUCTION	313.7
12	CHINA NATIONAL MACHINERY INDUSTRY CORP.	259.6
13	ORASCOM CONSTRUCTION PLC	245.0
14	EIFFAGE	240.0
15	CHINA GEO-ENGINEERING CORP.	226.6
16	CGCOC GROUP CO. LTD.	222.9
17	SKANSKA AB	198.4
18	ZHONGMEI ENGINEERING GROUP LTD.	189.5
19	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	182.7
20	SAMSUNG C&T CORP.	166.0
21	LARSEN & TOUBRO LTD.	154.2
22	OHLA	153.9
23	SACYR	152.3
24	MOTA-ENGIL	150.0
25	SICIM SPA	148.2
26	MAPA INSAAT VE TICARET AS	143.7
27	CHINA RAILWAY GROUP LTD.	141.9
28	CHINA RAILWAY CONSTRUCTION CORP. LTD.	130.0
29	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	120.5
30	ZHENGTAI GROUP CO. LTD.	119.9
31	HUNAN CONSTRUCTION ENGINEERING GROUP CO. LTD.	97.3
32	BECHTEL	91.0
33	LIMAK INSAAT SANAYI VE TICARET AS	90.0
34	YUKSEL INSAAT CO. INC.	88.4
35	CHINA INTERNATIONAL WATER & ELECTRIC CORP. (CWE)	74.0
36	WEIHAI INTERNATIONAL ECONOMIC & TECHNICAL COOPERATIVE CO. LTD.	71.7
37	CHINA PETROLEUM ENGINEERING CO. LTD.	67.1
38	SHANGHAI URBAN CONSTRUCTION (GROUP) CORP.	66.3
39	DAEWOO ENGINEERING AND CONSTRUCTION CO. LTD.	65.4
40	BAUER AG	64.2
41	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	64.2
42	SHANDONG HI-SPEED GROUP CO. LTD.	63.6
43	AFCONS INFRASTRUCTURE LTD.	52.2
44	CITIC CONSTRUCTION CO. LTD.	52.0
45	OBAYASHI CORP.	50.0
46	WOOD	44.2
47	TREVI SPA	39.5
48	SOUTHLAND HOLDINGS	38.0
49	CHINA HENAN INT'L COOPERATION GROUP CO. LTD.	37.8
50	COMBINED GROUP CONTRACTING CO. (K.S.C)	36.7

Top International Design Firms

WATER SUPPLY		
RANK	FIRM	REVENUE (\$ MIL.)*
1	AECOM	536.0
2	STANTEC INC.	531.9
3	TETRA TECH	455.0
4	ARCADIS NV	341.8
5	JACOBS SOLUTIONS INC.	328.3
6	WSP GLOBAL INC.	199.9
7	ATKINSREALIS	188.3
8	GHD	143.2
9	MOTT MACDONALD	110.8
10	WORLEY LTD.	90.1
11	POWER CONSTRUCTION CORP. OF CHINA	79.4
12	ROYAL HASKONINGDHV	70.2
13	WOOD	63.4
14	KHATIB & ALAMI	58.4
15	SURBANA JURONG PRIVATE LTD.	55.0
16	CDM SMITH	54.2
17	AYESA	45.8
18	AFRY	43.0
19	FUGRO NV	42.7
20	BECA GROUP LTD.	37.5
21	SIDARA	37.1
22	COWI A/S	37.0
23	SWECO AB	35.0
24	HATCH LTD.	32.0
25	FICHTNER GROUP	29.7
26	ARUP GROUP LTD.	26.5
27	TPF SA	26.5
28	TECNICA Y PROYECTOS SA (TYPSA)	24.8
29	DORSCH HOLDING GMBH	23.2
30	ARTELIA	22.6
31	IDOM	22.6
32	ILF CONSULTING ENGINEERS	22.1
33	EGIS	21.5
34	RAMBOLL GROUP A/S	19.7
35	NIPPON KOEI GROUP	19.3
36	STUDI INTERNATIONAL	14.8
37	PARSONS CORP.	14.8
38	BLACK & VEATCH	13.8
39	ASSOCIATED CONSULTING ENGINEERS	13.5
40	TECHNICAL SPA	12.7
41	ITALCONSULT SPA	12.1
42	BECHTEL	11.0
43	CHINA NATIONAL MACHINERY INDUSTRY CORP.	10.4
44	ZUHAIR FAYEZ PARTNERSHIP CONSULTANTS	10.1
45	DOHWA ENGINEERING CO. LTD.	9.4
46	CES CONSULTING ENGINEERS SALZGITTER GMBH	9.2
47	DOLSAR ENGINEERING	7.7
48	ORIENTAL CONSULTANTS GLOBAL (OCHD)	7.6
49	GEOSYNTEC CONSULTANTS	7.2
50	INGEROP	7.0

*BASED ON 2022 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 2022 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	1,779.9
2	FERROVIAL	436.4
3	WEBUILD SPA	433.8
4	STRABAG SE	376.9
5	GRUPO ACS/HOCHTIEF	285.7
6	GHELLA SPA	179.0
7	MOTA-ENGIL	153.0
8	POWER CONSTRUCTION CORP. OF CHINA	151.7
9	OBAYASHI CORP.	136.0
10	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	134.0
11	PER AARSLEFF HOLDING A/S	131.6
12	SKANSKA AB	125.5
13	BOUYGUES	125.0
14	KUZU GROUP	123.0
15	ORASCOM CONSTRUCTION PLC	116.0
16	MOHAMMED ABDULMOHSIN AL-KHARAFI & SONS	112.0
17	POSCO ENGINEERING & CONSTRUCTION	110.9
18	CHINA RAILWAY GROUP LTD.	110.9
19	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	105.8
20	CHINA GEO-ENGINEERING CORP.	97.2
21	SACYR	91.3
22	GRAHAM	90.0
23	OHLA	83.8
24	PENTA-OCEAN CONSTRUCTION CO. LTD.	74.7
25	YAPI MERKEZI INSAAT VE SANAYI AS	69.4
26	JAN DE NUL GROUP (SOFIDRA SA)	62.0
27	SOUTHLAND HOLDINGS	54.0
28	CHINA ENERGY ENGINEERING CORP. LTD.	52.1
29	PCL CONSTRUCTION ENTERPRISES	50.1
30	KAJIMA CORP.	49.6
31	MICHELS CORP.	48.0
32	LARSEN & TOUBRO LTD.	46.0
33	HASSAN ALLAM HOLDING	42.5
34	SAMSUNG ENGINEERING CO. LTD.	41.1
35	EFFAGE	40.0
36	SHANGHAI CONSTRUCTION GROUP CO. LTD.	39.4
37	CHINA HENAN INT'L COOPERATION GROUP CO. LTD.	37.0
38	CHINA RAILWAY CONSTRUCTION CORP. LTD.	27.0
39	BAUER AG	22.6
40	BEIJING CONSTRUCTION ENGINEERING GROUP CO. LTD.	21.6
41	ATKINSREALIS	18.3
42	CHINA METALLURGICAL GROUP CORP.	17.4
43	WEEKS MARINE INC.	17.4
44	ALBERICI-FLINTCO	17.3
45	MWH	16.8
46	JIANGXI WATER AND HYDROPOWER CONSTR. CO. LTD.	16.4
47	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	13.4
48	CONSOLIDATED CONTRACTORS GROUP	11.5
49	BEIJING URBAN CONSTRUCTION GROUP CO. LTD.	10.5
50	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	10.2

Top International Design Firms

SEWER & SOLID WASTE		
RANK	FIRM	REVENUE (\$ MIL.)*
1	STANTEC INC.	348.4
2	WSP GLOBAL INC.	219.3
3	JACOBS SOLUTIONS INC.	208.3
4	AECOM	170.3
5	MOTT MACDONALD	140.2
6	GHD	133.9
7	TETRA TECH	110.0
8	SWECO AB	105.0
9	ARCADIS NV	81.0
10	RAMBOLL GROUP A/S	73.3
11	COWI A/S	54.0
12	CDM SMITH	53.0
13	SIDARA	50.3
14	WOOD	47.6
15	KHATIB & ALAMI	38.7
16	EXP	38.1
17	ARUP GROUP LTD.	36.7
18	WORLEY LTD.	28.5
19	ROYAL HASKONINGDHV	27.0
20	ASSOCIATED CONSULTING ENGINEERS	25.5
21	ILF CONSULTING ENGINEERS	22.6
22	BLACK & VEATCH	22.5
23	CTI ENGINEERING GROUP	22.3
24	FICHTNER GROUP	19.2
25	TECNICA Y PROYECTOS SA (TYPSA)	16.9
26	HASSAN ALLAM HOLDING	15.9
27	ATKINSREALIS	15.5
28	AFRY	15.0
29	ARTELIA	13.9
30	AYESA	13.6
31	EGIS	11.6
32	IDOM	11.6
33	TPF SA	9.6
34	GRUPO ACS/HOCHTIEF	8.8
35	DOHWA ENGINEERING CO. LTD.	7.6
36	MEINHARDT GROUP INTERNATIONAL	7.6
37	NIPPON KOEI GROUP	7.5
38	LARSEN & TOUBRO LTD.	7.2
39	HDR	6.3
40	MORRISON HERSHFIELD	6.1
41	KOREA ENGINEERING CONSULTANTS CORP.	6.1
42	DORSCH HOLDING GMBH	6.0
43	NICHOLAS O'DWYER LTD.	5.8
44	GEOSYNTEC CONSULTANTS	5.6
45	ARABTECH JARDANEH	5.6
46	AAW CONSULTING ENGINEERS	5.5
47	POWER CONSTRUCTION CORP. OF CHINA	5.1
48	ITALCONSULT SPA	4.8
49	ORIENTAL CONSULTANTS GLOBAL (OCHD)	4.8
50	CES CONSULTING ENGINEERS SALZGITTER GMBH	4.6

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Top International Contractors

WASTEWATER TREATMENT		
RANK	FIRM	REVENUE (\$ MIL.**)
1	GRUPO ACS/HOCHTIEF	210.3
2	GHELLA SPA	179.0
3	OBAYASHI CORP.	136.0
4	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	128.8
5	CHINA RAILWAY GROUP LTD.	110.9
6	POWER CONSTRUCTION CORP. OF CHINA	84.4
7	SKANSKA AB	80.3
8	YAPI MERKEZI INSAAT VE SANAYI AS	69.4
9	SACYR	56.6
10	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	49.3
11	PCL CONSTRUCTION ENTERPRISES	49.1
12	KAJIMA CORP.	46.1
13	LARSEN & TOUBRO LTD.	46.0
14	CHINA ENERGY ENGINEERING CORP. LTD.	41.2
15	MOHAMMED ABDULMOHSIN AL-KHARAFI & SONS	35.0
16	BAUER AG	22.6
17	BEIJING CONSTRUCTION ENGINEERING GROUP CO. LTD.	19.0
18	HASSAN ALLAM HOLDING	18.8
19	ATKINSREALIS	18.3
20	WEEKS MARINE INC.	17.4
21	ALBERICI-FLINTCO	17.3
22	MWH	16.8
23	CHINA HENAN INT'L COOPERATION GROUP CO. LTD.	16.5
24	JIANGXI WATER AND HYDROPOWER CONSTR. CO. LTD.	16.4
25	SAMSUNG ENGINEERING CO. LTD.	13.0

HAZARDOUS WASTE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	VINCI	160.0
2	DAEWOO ENGINEERING AND CONSTRUCTION CO. LTD.	67.5
3	BOUYGUES	47.0
4	RAMBOLL GROUP A/S	45.3
5	EIFFAGE	35.0
6	CHINA NERIN ENGINEERING CO. LTD	27.7
7	ECC	16.6
8	SKANSKA AB	13.4
9	ACCIONA	8.0
10	BECHTEL	5.0

Top International Design Firms

WASTEWATER TREATMENT		
RANK	FIRM	REVENUE (\$ MIL.**)
1	STANTEC INC.	213.6
2	AECOM	167.5
3	JACOBS SOLUTIONS INC.	107.9
4	WSP GLOBAL INC.	80.1
5	MOTT MACDONALD	38.6
6	TETRA TECH	35.0
7	ARCADIS NV	34.5
8	RAMBOLL GROUP A/S	33.5
9	WORLEY LTD.	28.5
10	CDM SMITH	28.0
11	ROYAL HASKONINGDHV	25.4
12	ILF CONSULTING ENGINEERS	22.6
13	ARUP GROUP LTD.	21.9
14	HASSAN ALLAM HOLDING	15.9
15	BLACK & VEATCH	15.4
16	TECNICA Y PROYECTOS SA (TYPESA)	12.8
17	ASSOCIATED CONSULTING ENGINEERS	12.0
18	EGIS	11.6
19	ATKINSREALIS	11.3
20	SIDARA	10.7
21	AFRY	10.4
22	GRUPO ACS/HOCHTIEF	7.8
23	FICHTNER GROUP	7.2
24	LARSEN & TOUBRO LTD.	7.2
25	TPF SA	7.2

HAZARDOUS WASTE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ARCADIS NV	971.7
2	WSP GLOBAL INC.	491.1
3	AECOM	439.4
4	RAMBOLL GROUP A/S	380.7
5	GHD	256.7
6	JACOBS SOLUTIONS INC.	239.9
7	TETRA TECH	230.0
8	ATKINSREALIS	210.1
9	WORLEY LTD.	118.1
10	STANTEC INC.	83.8

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 **BASED ON SUPPLEMENTAL MARKET REVENUE DATA FROM 2022 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK SURVEYS. SEE ENR.COM FOR COMPLETE LISTINGS.

Top International Contractors

TREATMENT & DESALINATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	POWER CONSTRUCTION CORP. OF CHINA	449.1
2	CHINA ENERGY ENGINEERING CORP. LTD.	324.9
3	GS ENGINEERING & CONSTRUCTION	313.7
4	SICIM SPA	148.2
5	GRUPO ACS/HOCHTIEF	142.0
6	CHINA RAILWAY GROUP LTD.	136.7
7	CHINA NATIONAL MACHINERY INDUSTRY CORP.	92.4
8	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	80.2
9	YUKSEL INSAAT CO. INC.	70.2
10	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	67.5
11	CHINA PETROLEUM ENGINEERING CO. LTD.	67.1
12	SACYR	56.6
13	SHANXI CONSTRUCTION INVESTMENT GROUP CO. LTD.	31.5
14	ELECTRA LTD.	29.1
15	CHINA HENAN INT'L COOPERATION GROUP CO. LTD.	22.4
16	ALBERICI-FLINTCO	21.2
17	OBAYASHI CORP.	16.0
18	KIEWIT CORP.	13.6
19	HYUNDAI ENGINEERING CO. LTD.	13.2
20	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	13.2
21	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	9.6
22	CHINA RAILWAY CONSTRUCTION CORP. LTD.	9.0
23	NANTONG CONSTRUCTION GROUP CO. LTD.	7.3
24	THE ARAB CONTRACTORS (OSMAN AHMED OSMAN & CO.)	7.1
25	BLACK & VEATCH	6.2

TRANSMISSION LINES & AQUEDUCTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	376.4
2	POWER CONSTRUCTION CORP. OF CHINA	269.4
3	CHINA GEO-ENGINEERING CORP.	223.0
4	CGCOC GROUP CO. LTD.	184.4
5	SKANSKA AB	181.0
6	LARSEN & TOUBRO LTD.	154.2
7	OHLA	153.9
8	MAPA INSAAT VE TICARET AS	143.7
9	CHINA NATIONAL MACHINERY INDUSTRY CORP.	137.3
10	ZHENGTAI GROUP CO. LTD.	119.9
11	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	115.3
12	HUNAN CONSTRUCTION ENGINEERING GROUP CO. LTD.	97.3
13	LIMAK INSAAT SANAYI VE TICARET AS	90.0
14	CHINA RAILWAY CONSTRUCTION CORP. LTD.	85.0
15	GRUPO ACS/HOCHTIEF	80.0
16	BECHTEL	79.3
17	SHANGHAI URBAN CONSTRUCTION (GROUP) CORP.	66.3
18	AFCONS INFRASTRUCTURE LTD.	52.2
19	SOUTHLAND HOLDINGS	37.0
20	COMBINED GROUP CONTRACTING CO. (K.S.C)	36.7
21	SACYR	33.9
22	TRAYLOR CONSTRUCTION GROUP INC.	33.8
23	MOHAMMED ABDULMOHSIN AL-KHARAFI & SONS	25.8
24	PETRO. PROJECTS AND TECH. CONSULT. CO. - PETROJET	20.6
25	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	19.7

Top International Design Firms

TREATMENT & DESALINATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ARCADIS NV	227.2
2	STANTEC INC.	206.1
3	TETRA TECH	150.0
4	AECOM	141.8
5	WSP GLOBAL INC.	81.1
6	WORLEY LTD.	72.8
7	POWER CONSTRUCTION CORP. OF CHINA	71.7
8	JACOBS SOLUTIONS INC.	55.4
9	MOTT MACDONALD	40.6
10	CDM SMITH	38.6
11	HATCH LTD.	32.0
12	DORSCH HOLDING GMBH	23.2
13	IDOM	22.6
14	EGIS	21.5
15	FICHTNER GROUP	20.4
16	ROYAL HASKONINGDHV	19.8
17	COWI A/S	15.2
18	BLACK & VEATCH	12.4
19	TECNICA Y PROYECTOS SA (TYPSA)	10.2
20	BECHTEL	9.7
21	RAMBOLL GROUP A/S	8.4
22	TPF SA	8.1
23	PARSONS CORP.	6.9
24	AFRY	4.5
25	ARTELIA	4.3

TRANSMISSION LINES & AQUEDUCTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	AECOM	244.4
2	JACOBS SOLUTIONS INC.	222.7
3	ATKINSREALIS	142.8
4	TETRA TECH	140.0
5	ARCADIS NV	85.6
6	STANTEC INC.	81.0
7	WSP GLOBAL INC.	69.4
8	MOTT MACDONALD	52.1
9	KHATIB & ALAMI	38.5
10	SIDARA	29.5
11	ARUP GROUP LTD.	22.5
12	COWI A/S	20.5
13	ILF CONSULTING ENGINEERS	19.1
14	CDM SMITH	15.7
15	TPF SA	11.6
16	FICHTNER GROUP	8.1
17	TECNICA Y PROYECTOS SA (TYPSA)	8.0
18	PARSONS CORP.	7.9
19	NIPPON KOEI GROUP	7.2
20	RAMBOLL GROUP A/S	7.0
21	ARTELIA	6.7
22	LARSEN & TOUBRO LTD.	6.0
23	ORIENTAL CONSULTANTS GLOBAL (OCHD)	5.5
24	CHINA NATIONAL MACHINERY INDUSTRY CORP.	5.5
25	TECHNITAL SPA	4.7

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Top International Contractors

DAMS & RESERVOIRS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WEBUILD SPA	1,696.1
2	GRUPO ACS/HOCHTIEF	237.8
3	ZHONGMEI ENGINEERING GROUP LTD.	189.0
4	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	107.3
5	CHINA ENERGY ENGINEERING CORP. LTD.	69.3
6	BAUER AG	64.2
7	SHANDONG HI-SPEED GROUP CO. LTD.	63.6
8	SACYR	61.8
9	CITIC CONSTRUCTION CO. LTD.	52.0
10	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	44.5
11	CGCOC GROUP CO. LTD.	36.0
12	CHINA NATIONAL MACHINERY INDUSTRY CORP.	29.9
13	OBAYASHI CORP.	24.0
14	CHONGQING INTERNATIONAL CONSTRUCTION CORP.	22.7
15	CHINA RAILWAY CONSTRUCTION CORP. LTD.	13.0
16	BECHTEL	11.7
17	CONSOLIDATED CONTRACTORS GROUP	11.5
18	CHINA GANSU INT'L ECON. AND TECH. COOP. CO. LTD.	9.1
19	DL E&C CO. LTD.	5.7
20	JIANGXI WATER AND HYDROPOWER CONSTR. CO. LTD.	5.2

SANITARY & STORM SEWERS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WEBUILD SPA	423.6
2	PER AARSLEFF HOLDING A/S	128.5
3	CHINA GEO-ENGINEERING CORP.	94.5
4	MOHAMMED ABDULMOHSIN AL-KHARAFI & SONS	77.0
5	GRUPO ACS/HOCHTIEF	75.3
6	PENTA-OCEAN CONSTRUCTION CO. LTD.	74.7
7	SOUTHLAND HOLDINGS	54.0
8	OHLA	47.9
9	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	45.1
10	SHANGHAI CONSTRUCTION GROUP CO. LTD.	39.4
11	MICHELS CORP.	37.0
12	SKANSKA AB	25.1
13	HASSAN ALLAM HOLDING	23.6
14	CHINA HENAN INT'L COOPERATION GROUP CO. LTD.	20.5
15	CONSOLIDATED CONTRACTORS GROUP	11.5

Top International Design Firms

DAMS & RESERVOIRS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	STANTEC INC.	244.9
2	TETRA TECH	165.0
3	AECOM	149.8
4	SURBANA JURONG PRIVATE LTD.	55.0
5	ROYAL HASKONINGDHV	50.3
6	JACOBS SOLUTIONS INC.	50.2
7	WSP GLOBAL INC.	48.0
8	ARCADIS NV	28.9
9	ATKINSREALIS	18.7
10	WORLEY LTD.	17.3
11	MOTT MACDONALD	16.7
12	ASSOCIATED CONSULTING ENGINEERS	7.5
13	DOLSAR ENGINEERING	7.4
14	ARTELIA	7.4
15	TPF SA	6.8
16	TECNICA Y PROYECTOS SA (TYPESA)	6.7
17	SIDARA	5.9
18	NIPPON KOEI GROUP	4.7
19	RAMBOLL GROUP A/S	4.3
20	TECHNITAL SPA	4.0

SANITARY & STORM SEWERS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	121.8
2	STANTEC INC.	120.2
3	JACOBS SOLUTIONS INC.	100.4
4	MOTT MACDONALD	92.5
5	ARCADIS NV	44.4
6	TETRA TECH	40.0
7	KHATIB & ALAMI	38.7
8	EXP	38.1
9	SIDARA	36.3
10	RAMBOLL GROUP A/S	33.8
11	CTI ENGINEERING GROUP	22.3
12	CDM SMITH	22.3
13	COWI A/S	20.5
14	ASSOCIATED CONSULTING ENGINEERS	12.5
15	FICHTNER GROUP	9.5

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Top International Contractors

SOLID WASTE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	OHLA	35.9
2	SACYR	34.7
3	SAMSUNG ENGINEERING CO. LTD.	27.7
4	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	10.4
5	HYUNDAI ENGINEERING CO. LTD.	3.5
6	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	3.5
7	CHINA RAILWAY CONSTRUCTION CORP. LTD.	3.0
8	POWER CONSTRUCTION CORP. OF CHINA	2.6
9	CHINA NUCLEAR ENGINEERING CORP. LTD.	2.5
10	PCL CONSTRUCTION ENTERPRISES	1.0

CHEMICAL & SOIL REMEDIATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA RAILWAY GROUP LTD.	53.6
2	CHINA NERIN ENGINEERING CO. LTD	27.7
3	ECC	16.6
4	WORLEY LTD.	0.4
5	APTIM	0.1

Top International Design Firms

SOLID WASTE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	TETRA TECH	35.0
2	COWI A/S	27.3
3	WSP GLOBAL INC.	17.2
4	STANTEC INC.	14.7
5	IDOM	9.0
6	MOTT MACDONALD	6.7
7	RAMBOLL GROUP A/S	6.0
8	GEOSYNTEC CONSULTANTS	4.9
9	ARUP GROUP LTD.	4.9
10	MORRISON HERSHFIELD	4.1

CHEMICAL & SOIL REMEDIATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ARCADIS NV	515.0
2	AECOM	240.6
3	RAMBOLL GROUP A/S	203.3
4	WSP GLOBAL INC.	124.1
5	TETRA TECH	105.0

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2023 Global Sourcebook Directory

Australia

Aurecon

Aurecon Centre, Level 8, 850 Collins Street,
Melbourne, 3008
Australia
William Cox, Chief Executive Officer
61399753000
www.aurecongroup.com

GHD

29 Christie Street
St Leonards, 2065
Australia
Ashley Wright, CEO
61292397100
www.ghd.com

Lendlease

Level 14, Tower Three, International Towers Sydney,
Exchange Place, 300 Barangaroo Avenue
Barangaroo, 2000
Australia
Tony Lombardo, Group Chief Executive Officer and
Managing Director
(02) 9236 6111
www.lendlease.com

Meinhardt Group International

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

Worley Ltd.

L17 141 Walker St
North Sydney, 2060
Australia
Chris Ashton, Chief Executive Officer
www.worley.com

Austria

ILF Consulting Engineers

Feldkreuzstrasse 3
Rum/Innsbruck, 6063
Austria
Klaus Lässer, CEO
43 512 2412
www.ilf.com

PORR AG

Absberggasse 47
Vienna, 1100
Austria
Karl-Heinz Strauss, CEO
0043 50 626 0
www.porr-group.com

STRABAG SE

Donau-City-Str. 9
Vienna, 1220
Austria
Klemens Haselsteiner, BBA, BF
43 1 22422 1091
www.strabag.com

Bahrain

SSH

4th Floor, Almoayyed Tower, Seef District
Manama, P.O. Box 18699
Bahrain
Matthew Squires, Chief Executive Officer
00973 175 80 758
www.sshic.com

Belgium

BESIX

Avenue des Communautés 100
Brussels, 1200
Belgium
Pierre Sironval, Chief Executive Officer
3224026211
www.besix.com

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

2023 Global Sourcebook Directory

TPF SA

Avenue de Haveskercke 46
BRUSSELS, B-1190
Belgium
Thomas Spitaels, President & CEO
3223701970
www.tpf.eu

Tractebel

36 boulevard Simon Bolivar
Brussels, 1000
Belgium
Philippe VAN TROEYE, CEO
32 2 773 99 11
tractebel-engie.com/en

Canada

Aecon Group Inc.

20 Carlson Court, Suite 105
Toronto, Ontario M9W 7K6
Canada
Jean-Louis Servranckx, President and Chief Executive Officer
416-297-2600
www.aecon.com

AtkinsRealis

455 boul. Rene-Levesque Ouest
Montreal, Quebec H2Z1Z3
Canada
Ian Edwards, President & Chief Executive Officer
514-393-1000
www.atkinsrealis.com

EllisDon Corp.

1004 Middlegate Rd
Mississauga, ON L4Y1M4
Canada
Kieran Hawe, CEO & President
9058968900
www.ellisdon.com

Graham

10840 27 Street SE
Calgary, AB T2Z 3R6

Canada

Andy Trewick, PRESIDENT & CHIEF EXECUTIVE OFFICER
403.570.5000
grahambuilds.com

Hatch Ltd.

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

Pomerleau inc.

521 6e Avenue N
Saint-Georges, QC G5Y 0H1
Canada
Pierre Pomerleau, President, Chief Executive Officer
418-228-6688
www.pomerleau.ca

Stantec Inc.

Suite 300, 10220 - 103 Ave NW
Edmonton, Alberta T5J 0K4
Canada
Gord Johnston, President and CEO
949-923-6000
www.stantec.com

WSP Global Inc.

1600 René-Lévesque Blvd. W., 18th Floor
Montreal, Quebec H3H 1P9
Canada
Alexandre L'Heureux, President & CEO
www.wsp.com

Chile

SalfaCorp SA

Avenida Presidente Riesco 5335, Floor 11, Las Condes
Santiago
Chile
Jorge Meruane Boza, Corporate Chief Executive Officer

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2023 Global Sourcebook Directory

56 2 2902 0000
www.salfacorp.com

China

Anhui Construction Engineering Group Co. Ltd.

No.459, Huangshan Road
Hefei City, 230001
China
Li Yougui, General Manager
86-551-62865102
www.aceg.com.cn

Arcplus Group PLC

258 Shimener Road
China
Weihua Gu, Board chairman
86 21 52524567
www.arcplus.com.cn

Beijing Construction Engineering Group Co. Ltd.

No.1 Guanglian Road, Xicheng District
Beijing, 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
Beijing, 100045
China
Zhang Yu, General Manager
86-010-88021572
www.biad.com.cn

Beijing Urban Construction Group Co. Ltd.

No. 18, Beitaipingzhuang Road, Haidian District
Beijing, 100088
China
Chen Daihua, CEO
8610-62091523
www.bucg.com

CCDI Group

A4 Building, 1688 Guo Quan Road
Shanghai, 200438
China
Mr. Shan Zengliang, CEO
86-61802923
www.ccdi.com.cn

CGCOC Group Co. Ltd.

No.A09, No.33 Kehui Rd, Chaoyang District, Beijing
Beijing, 100101
China
Li, Hongyan, Mr. President
0086-10-84373670
www.cgcoc.com.cn

CISPDR Corporation

No. 1863, Jiefang Ave.
Wuhan, 43010
China
Yang Qigui, National Survey and Design Master
86-27-82927515
www.cjwsjy.com.cn

CITIC Construction Co. Ltd.

27/F, Tower B, TYG Center, C2 Dongsanhuan
Beilu, Chaoyang District, Beijing, China
Beijing, 100027
China
Mr. Tao Yang, President
010-87996000
www.cici.citic.com

Central South Architectural Design Institute Co. Ltd.

No.19, Zhongnan Road
Wuchang District, Wuhan, 430061
China
Li Ting, Party Committee Secretary & President
027-87337160
www.csadi.com.cn

China Aluminum International Eng'g Corp. Ltd.

Building C, No.99 Xingshikou Road, Haidian District

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Beijing, 100093
China
Li Yihua, CEO
(8610)82406888/82406999
www.chalieco.com.cn

China Bengbu Int'l Tech. & Econ. Coop. Ltd.

NO.18, Meishan Road
Hefei City, 230000
China
LIU ZIQIANG, Chairman
0551-67118006
www.cbitec.cn

China Communications Construction Group Ltd.

85, Deshengmenwai Street, Xicheng District
Beijing, 100088
China
Mr.Tongzhou Wang, Chairman
86-10-82016655
www.ccccltd.cn

China Design Group Co. Ltd.

No.9 Ziyun Ave.
Nanjing, 210014
China
YAO Yu
025-88018888
www.cdg.com.cn

China Electric Power Equipment And Tech. Co. Ltd.

No.8 Nanheng East Street
Xicheng District, Beijing, 100052
China
ShanShewu, Chairman
86-010-63412099
www.cet.sgcc.com.cn

China Energy Engineering Corp. Ltd.

Building 1, No.26, Xidawang Road, Chaoyang District
Beijing, 100022
China
Song Hailiang, Chairman of the board

86-10-59098923
www.ceec.net.cn

China Gansu Int'l Econ. and Tech. Coop. Co. Ltd.

No.575 East Xijin Road, Lanzhou, Gansu Province,
China
Lanzhou, 730050
China
li Wen En, Chief Executive officer
86 931 2659950
www.cgicop.com

China General Technology (Group) Holding Co. Ltd.

Genertec Plaza, No.90, Xisanhuan Zhong Lu, Feng Tai
District
Beijing, P.R.China, 100055
China
LU YI MIN, GENERAL MANAGER OF GENERTEC
0086 10 81169123
www.genertec.com.cn

China Geo-Engineering Corp.

No. 92, Xiangshan South Road, Haidian District.
Beijing, China
Beijing, 100093
China
Sun Jinhong, Chairman
0086-10-82408586
www.chinageo.com.cn

China Henan Int'l Cooperation Group Co. Ltd.

No. 11 Dongming Road
Zhengzhou, 450004
China
Mr. Cheng Jian, General Manager
00 86 371 66348000
www.c-chico.com

China International Water & Electric Corp. (CWE)

Building T1, Poly Metropolitan, #156 Xinhua North
Rd, Tongzhou District, Beijing, P.R.China
Beijing, 101149
China
Jiang Shouguo, Executive Director

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2023 Global Sourcebook Directory

86-10-59302184

www.cwe.cn

China Jiangsu Int'l Econ. and Tech. Coop. Group Ltd.

5 West Beijing Road

Nanjing, 210008

China

Mr. Qinbo Song, Chairman of the Board

0086-25-83277713

www.zjgj.com.

China Jiangxi Int'l Econ. and Tech. Coop. Co. Ltd.

No.1198 Fenghezhong Avenue, Honggutan

Nanchang, 330083

China

Zhang Jianan, President

0086-791-86372509

www.cjic.cn

China Metallurgical Group Corp.

Room 3521, MCC Tower, No.28 Shu guang xi

li,Chaoyang district

Beijing, 100028

China

Chen Jianguang, President

8610-59869430

www.mcc.com.cn

China National Aero-Technology Int'l Eng'g Corp.

FL 6, No. 18 Beichen East Road, Chaoyang District,

Beijing

Beijing, 100101

China

Liu Hongguang, President & Legal Representative

0086 10 84970337

www.catic-eng.com

China National Chemical Eng'g Group Corp. Ltd.

CNCEC building, No. 2 Dongzhimennei Avenue,

Dongcheng District

Beijing, 100007

China

Mr. Dai Hegen, Chairman

86-010-56765645

www.cncec.com.cn

China National Machinery Industry Corp.

No. 3 Danling Street, Haidian District

Beijing, 100080

China

Zhang Xiaolun, President

010-82688794

www.sinomach.com.cn

China Nerin Engineering Co. Ltd

888 Qianhu Road, Hongjiaozhou, Nanchang, China

Nanchang, 330031

China

Wu Runhua, General Manager

8679186757261

www.nerin.com

China Nonferrous Metal Ind. For. Eng'g and Constr.

NFC Building, 10 Anding Road

Beijing, 100029

China

Qin Junman, President

86-10-84427766

www.nfc.com.cn

China Nuclear Engineering Corp. Ltd.

No.A1, CNNC ATOM City, Panlong Road 500, Qingpu District

Shanghai, 201702

China

Zhou Shenwei, Deputy General Manager

0086-021-64150507

www.cnecc.com

China Petroleum Engineering Co. Ltd.

CNPC Technology Innovation Base, Shahe, Changping District

Beijing, 102200

China

Bai Xuefeng, Chairman, Board of Directors

0086-10-80163176

www.cpec.cnpc.com.cn

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China Railway Construction Corp. Ltd.

No. 40 Fuxing Road
Beijing, 100855
China
Wang Jianping, Chairman
'861052689700
www.crcc.cn

China Railway Design Corp.

No.109, DongQi Road, Airport Economic Zone,
Tianjin, China
Tianjin, 300308
China
Fang Tianbin, Chairman of the Board
86-22-26178328
www.crdc.com

China Railway Group Ltd.

No.69 Fuxing Road, Haidian District
Beijing, 100039
China
Wenjian CHEN, President
86-13717891526
www.crec.cn

China State Construction Engineering Corp. Ltd.

CSC Fortune International Center, Building 3, No.5,
Anding Road
Chaoyang District, Beijing, 100029
China
Zheng Xuexuan, Chairman
0086-10-86498654
www.cscec.com

China Triumph International Engineering Co. Ltd.

27F, Zhongqi Building. No. 2000, North. Zhongshan
Road
Shanghai, 200333
China
Liyun Ma
(86)21-52916280
www.ctiec.net

China Wu Yi Co. Ltd.

Unit 1, 4/F Zhi Di Plaza, No. 89, Wu Si Road
Fuzhou, 350003
China
Zheng Jingchang, Chairman of Board
86-591-83170100
www.Chinawuyi.com.cn

Chongqing International Construction Corp.

No.80, XingGuang Rd., New North Zone, Chongqing
Chongqing, 401121
China
Zhou Fanming, Chairman of the board
86-23-63076568
www.cico.com.cn

Dongfang Electric Corp.

18 Xixin Avenue, High- tech Zone West Park
Chengdu, 611731
China
Yu Peigeng, CEO
86-28-87898664
www.dongfang.com.cn

Greenland Infra. Constr. Group Co. Ltd.

9F, Building A2, Greenland Bund, NO.658, Zhongshan
Rd.(s)
Shanghai, 200010
China
Chen Jun
+86 189 1809 4495
www.greenlandjj.com

Harbin Electric International Co. Ltd.

No.1299 Chuangxinyi Road, Songbei District
Harbin, 150028
China
LI CHAO, Vice Chairman
45158591894
www.china-hei.com

Hebei Construction Group Co. Ltd.

No.146 Youyi North St. Shijiazhuang, Hebei, China
Shijiazhuang, 050000
China

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2023 Global Sourcebook Directory

Zhang Tianping, chief executive
0086-311-68092837
www.hbjgt.cn

Hunan Construction Engineering Group Co. Ltd.

No.788 South Furong Rd.
Changsha, 410001
China
Can Dianwei, President
73185628881

Hunan Road & Bridge Constr. Group

No.239, South Shaoshan Road
Changsha, 410004
China
Wang Shufei, Chairman of the Board
0086-731-85590461
www.hnrb.cn

JSTI Group

No.8 East Funchunjiang Road, Jianye District
Nanjing, 210019
China
Xiaoning Zhu, President
(0086)13851649737
www.jsti.com

JiangSu TongZhou No.4 Constr. Group Co. Ltd.

No.8 MiShi Bridge West Road ShiGang Town
TongZhou District
NanTong, 226351
China
Shao YaXin, Senior Engineer
0086-513-82591151
www.tzsj.com.cn

Jianglian Heavy Industry Group Co. Ltd.

NO. 999, Fourth Aixihu Road, High-tech Industrial
Development Zone, Nanchang, Jiangxi
Nanchang, 330096
China
Ji Fan, Chief Executive Officer
+86-791-85206968
www.jlianco.com

Jiangsu Nantong No.2 Construction

NO.683, Renmin (M) Road
QIDONG, 226200
China
HE XINGFEI, CEO/General Manager/Director
0513-83316463
www.NT2J.cn

Jiangsu Provincial Construction Group Co. Ltd.

11F, Building A, Shengjian Mansion, No.99
Yunlongshan Road
Nanjing, 210019
China
Jiang Ning, Chief Executive Officer
0086-025-87753181
www.jpcec.com

Jiangsu Zhongnan Construction Industry Group Co.Ltd

Room 1705 of zhongnan, NO.899, Shanghai Rd, Haimen
City, Jiangsu Province
NANTONG, 226100
China
Tingfeng Zhu, Chairman of the Board

13862907080
zcb.zhongnangroup.cn

Jiangxi Construction Engineering (Group) Corp. Ltd.

No.956 Beijing East Road, Qinshanhu District
Nanchang, 330029
China
Shaohua Lin, Chairman of the board
0791-86386577
www.jxjg.com

Jiangxi Water and Hydropower Constr. Co. Ltd.

No.32 Construction Science and Technology Industrial
Park
Nanchang, 3303200
China
Wang yuandan, CEO

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2023 Global Sourcebook Directory

0086-0791-86659865

www.jxszchina.com

Long Jian Road & Bridge Co. Ltd.

No.109 Songshan Road Nangang Dist

Harbin City, 150090

China

Tian Yulong, President

0451-81300013

www.longjianlq.com

Longxin Construction Group Co. Ltd.

No. 1 East Beijing Rd., Haimen District

Nantong, 226100

China

Chen Zuxin, Chairman

0086-513-82212425

www.lxgroup.cn

Nantong Construction Group Co. Ltd.

136 Duanjiaba Rd.

Nantong, 226006

China

Zhang Xiangyang, Chairman

0086-513-89089796

www.ntjgit.com

Norinco International Cooperation Ltd.

NO.6 Zhengda Road,Shijingshan District

Beijing, 100040

China

Shan Jun, President

010 6813 7562

www.norinco-intl.com

Offshore Oil Engineering Co. Ltd.

No. 199, Haibin 15th Road, Tianjin Port Free Trade

Zone

Tian Jin, 300461

China

Wang Zhangling, President

0086-22-59898946 / 59899854

www.cnoocengineering.com

Power Construction Corp. of China

No.22, Chegongzhuang West Road, Haidian

District,Beijing

Beijing, 100048

China

Wang Bin, chief executive officer

86-10-58382380

en.powerchina.cn

Qingjian Group Co. Ltd.

5#, Nanhaizhi Road,

Qingdao, 266001

China

Wang Dehai, CEO

0086-532-88258892

www.cnqc.com

SINOPEC Engineering (Group) Co. Ltd.

Building 8, Shenggujiayuan, Shenggu Middle

Road,Chaoyang District

BEIJING, 100029

China

Zhang Xinming, Chief Executive Officer

0086-10-56730563

www.segroup.cn

Shaanxi Construction Engineering Holding Group Co. Ltd.

No.199 North Street

Xi'an, 710003

China

Zhang Yiguang, Chairman

+86 029-87281269

www.sxjgkg.com/index.html

Shandong Electric Power Eng'g Consulting

106 Minzi Qian Road, Lixia District

Jinan, 250013

China

Wang Leiming, Chairman

0086-531-85182940

www.sdepci.com

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Shandong Hi-Speed Dejian Group Co. Ltd.

Dejian Building, Sanba East Road
Dezhou City, 253000

China

Zhao Jianqiang, Chairman of Board

0534-2266959, 0534-2266879

www.cnsddj.com

Shandong Hi-Speed Group Co. Ltd.

No. 8 Long'ao North Road

Jinan, 250098

China

Wang Qifeng, Chairman

0086 531 89250285

en.sdhs.com/index

Shandong Zijian Construction Group Co. Ltd.

No.53 Xingyuan East Road Zhangdian District

Zibo, 255000

China

Xia Shuqiang, General Manager

8605332287656

www.zj1949.com

Shanghai Construction Group Co. Ltd.

No.666, East Daming Road, Shanghai, China

Shanghai, 200080

China

Xu Zheng, Chairman of the Board

0086-21-55885959

www.scg.com.cn

Shanghai Electric Group Co. Ltd.

No.4855, Dushi Rd, Shanghai, PRC

Shanghai, 201100

China

Leng Weiqing, Chairman of the Board

+86(21)34116666

www.shanghai-electric.com

Shanghai Urban Construction (Group) Corp.

No.1099 South Wanping Rd. Xuhui District,

Shanghai, PR China

Shanghai, 200032

China

ZHOU Wenbo, CEO of SUCG

+86-21-58301000

www.stec.net

Shanxi Construction Investment Group Co. Ltd.

No.8 Xinhua Road

Taiyuan, 30032

China

Bo Sun, Chairman of the Board

0086-15035121219;0086-13935161099

www.sxcig.com

Shenyang Yuanda Aluminum Indus. Eng'g Co. Ltd.

No. 20, Street No. 13, Economic&Technological

Development Zone,

Shenyang, 110027

China

Zhao, Zhongqiu, Executive Director

+86 024-2527 3533

www.yuandacn.com

Sichuan Road and Bridge (Group) Co. Ltd.

No. 12 Jiuxing Avenue, High-Tech Zone

Chengdu, 610041

China

Wang Zhonglin, Managing Director

8613908223981

www.scrbg.com

Sinoma International Engineering Co. Ltd.

No.16th Wangjing North Road, Chaoyang District

Beijing, 100020

China

Mr.Yin Zhisong, CEO

www.sinoma.com.cn

Sinopec Zhongyuan Petroleum Engineering Ltd.

277# Zhongyuan Road

Puyang City, 457001

China

Song Baojian, General Manager

0086-0393-4824402

zpebint.sinopec.com

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Sinosteel Equipment & Engineering Co. Ltd.

SINOSTEEL PLAZA,8 HAIDIAN ST.,
HAIDIAN,BEIJING,P.R. CHINA

BEIJING, 100080

China

PENGCHENG LU, SENIOR ENGINEER

0086-10-62688188

mecc.sinosteel.com

TBEA Co. Ltd.

No. 189 South Beijing Road, Changji, Xinjiang, China

Changji, 831100

China

Huang Hanjie, CEO

0086 994 6553079

www.tbea.com

Tianyuan Construction Group Co. Ltd.

No. 63, Yinqueshan Road

Linyi City, 276002

China

LIU SHILONG, CHAIRMAN

+8605398114618

www.cntyjt.com

Tongji Architectural Design (Group) Co. Ltd.

No.1230 Siping Road

Shanghai, 200092

China

Tang Shuoning, Director & General Manager

86-21-65987788

www.tjad.cn

Weihai International Economic & Technical Cooperative Co. Ltd.

NO.16, Tongyi Road, Weihai, China

Weihai, 264200

China

Zhang Shicheng, Chairman of the Board

0086-631-5218791

www.wietc.com

XPCC Construction & Engineering (Group) Co. Ltd.

No.113, Xinming Road,

Urumqi,, 830092

China

Xia Jianguo, Chairman of the board of directors

0991-2639625

www.xbjg.com

Xian Electric Engineering Co. Ltd.

No. 7 Tangxing Road, Xi'an , Shaanxi, P.R.China

XIAN, 710075

China

Zhifu Li, Executive Director

0086-29-88312666

www.xianelectric.com.cn

Yanjian Group Co. Ltd.

No. 100 Nan Hong Street

Yantai, 264000

China

Tang Bo, President

0086-535-6636260

www.yanjian.com.cn

Yunnan Const. and Invest. Holding Grp. Co. Ltd.

No. 188, Linxi Road, Information and Industry Base,
Economic and Technological Development Zone

Kunming, 650501

China

Mr. Chen Zujun, Chairman of the Board

18208880096

www.ynjg.com

Zhejiang Communications Constr. Group Co. Ltd.

21F, Qianjiang Building, No. 2031 Jiangling Road,
Binjiang District,

Hangzhou, 310051

China

Wu Wei, Director of board

86-18868736890

www.zjjtgc.com

Zhejiang Construction Investment Group Co. Ltd.

Jiantou Mansion, 52 West Wensan Road

Hangzhou, 310013

China

SHEN Defa, Chairman of the Board

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0086-571-88235979

www.cnzgc.com

Zhejiang Dongyang Third Constr. Eng'g Co. Ltd.

No.1 Zhenxing Road

Dongyang, 322100

China

ZHOU GAOLIANG, General Manager

0579-86633708

www.dy3j.com

Zhengtai Group Co. Ltd.

Sanshui Street No.888

TAIZHOU, 225500

China

Fan Hongfu, General Manager

13641599930

www.ztjt.com.cn

Zhongding International Engineering Co. Ltd

No.18 GaoXin Er Rd.

Nanchang City, 330096

China

Zhao Guisheng, Chairman of the board

+86-0791-88117581

www.ziec-e.com

Zhongmei Engineering Group Ltd.

No.1177, Jiulong avenue , Honggutan District

Nanchang, 330001

China

LIU ZHONGCUN, PRESIDENT

86-791-85210611

www.zm.jxsdjt.cn

Zhongtian Construction Group Co. Ltd.

Chengxing Road No.69

Hangzhou, 310000

China

Wu Haitao, Chairman of the board of directors

0571-28022252

www.zjzhongtian.com

Zhongyifeng Construction Group Co. Ltd.

No. 88 CHENGYANGLU ROAD , XIANGCHENG

DISTRICT

SUZHOU, 215000

China

ZOU JIANGANG, chairman

(+86)0512-65798555

www.zyfchina.com

Denmark

COWI A/S

Parallelvej 2

Kongens Lyngby, DK - 2800

Denmark

Jens Højgaard Christoffersen, Chief Executive Officer

45 56402042

www.cowi.com

Per Aarsleff Holding A/S

Hasselager Alle 5

Viby J, 8260

Denmark

Jesper K. Jacobsen, General Manager

45 8744 2222

www.aarsleff.dk

Ramboll Group A/S

Hannemanns Allé 53

Copenhagen, 2300

Denmark

Jens-Peter Saul, Group Chief Executive Officer

0045 5161 1000

ramboll.com

Egypt

AAW Consulting Engineers

37 Babel St, Dokki, Giza

Giza, 12311

Egypt

Eng. Mohamed El-Degwy, CEO

202 37617737

www.aawholding.com

AMG Al Amar Consulting Group SA

20 Street 302, New Maadi

Cairo, P.O. Box 50, Sakr Koraish, Maadi 11931

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Egypt

Wahid Michel, President & CEO

20-2-2517 76 70-5

www.alamargroup.com

Distance Studio Consultants

26 Gizert Alarab Street, Mohandeseen

Giza

Egypt

Marwan Kamal, CEO

(+202) 3303 1478

www.distancestudio.com

ECG Engineering Consultants Group SA

Building 2, Block 10 El Sefarat District, Nasr City

Cairo, 11765

Egypt

Mohamed Abd El Moneim, President & CEO

20223524740

www.ecgsa.com

EHAF Consulting Engineers

5 Abd El Rahman Hussein Street, Mohandessen, Giza

Giza, 12311

Egypt

Dr. Mohamed Fahmy, Senior Vice President

(+202) 37601099

www.ehaf.com

Egyptian Maintenance Co. (EMC)

20 Ninety St. City Admin Center

New Cairo, 11835

Egypt

Ashraf Bahaa, Chairman & Managing Director

2 02 26189999

www.emceg.com

Eng'g for the Petroleum & Process Industries (Enppi)

1(A), Ahmed El Zomor st, 8th District, Nasr City

Cairo, 11361

Egypt

Eng. Mohamed Abdelaziz, Chairman & CEO

202 22762137

www.enppi.com

Euro Group

Office No. 701, 16 Badr Towers, Ring Road, New

Maadi

Cairo, 11472

Egypt

Ayman Abouregila, CEO

20223104085

www.eurogroup.org

Hassan Allam Holding

Cairo Egypt

Cairo, 1136

Egypt

Hassan Allam, CEO

Petro. Projects and Tech. Consult. Co. - PETROJET

Plot 21~26 – Sector 1, City Center Fifth Settlement

New Cairo, 11835

Egypt

Waleed Lotfy, Chairman & Managing Director

002 01225109455

www.petrojet.com.eg

Sabbour Consulting

4,4a Ramlet Bolaq St, Arkadia Building, Cournish El-

Nile, Cairo, Egypt

Cairo, 81765

Egypt

Omar Sabbour, Engineer

2 25792082

www.sabbour.com

The Arab Contractors (Osman Ahmed Osman & Co.)

2, Bear Sabaa

Nasr City, 11548

Egypt

Ahmed El Assar, Engineer

2 01110003458

www.arabcont.com/english

France

Artelia

16 rue Simone Veil

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Saint Ouen, 93400
France
Benoit CLOCHERET, Chief Executive Officer
476334000
www.arteliagroup.com

Assystem

9/11 Allée de l'Arche
Courbevoie, 92671
France
Dominique LOUIS, Chairman and CEO
www.assystem.com

Bouygues

32 Avenue Hoche
Paris, 75008
France
Olivier Roussat, CEO
33144201000
www.bouygues.com

EGIS

15 Av. du Centre
Guyancourt, 78280
France
GERMAIN Laurent, CEO
www.egis-group.com/fr

Eiffage

3-7 place de l'Europe
Vélizy-Villacoublay, 78 140
France
Benoit de Ruffray, Président Directeur Général
Eiffage
www.eiffage.com

INGEROP

18 rue des deux gares
Rueil Malmaison, 92530
France
METZ, Chairman
33149045500
www.ingerop.com

SETEC

42 - 52 Quai de la Rapée
CS 71230, Paris cedex 12, 75583
France
Michel KAHAN, President & CEO
331 82 51 57 36
www.setec.fr/en

SYSTRA

72 rue Henri Farman
Paris, 75015
France
Pierre VERZAT, Mr
33 1 40 16 61 00
www.systra.com/en

VINCI

1973 boulevard de la Défense
Nanterre, Cedex 92757
France
Xavier HUIILLARD, Chairman and Chief Executive
Officer
33 1 57 98 61 00
www.vinci.com

Germany

BAUER AG

BAUER-Str. 1
Schrobenhausen, 86529
Germany
Arnulf Christa, Managing Director/Board Chairman
49 8252 97-1178
www.bauer.de

CES Consulting Engineers Salzgitter GmbH

Nordstr. 23
Braunschweig, 38106
Germany
Dr.-Ing. Ralf Meyerhoff, Managing Director
49531317040
www.ces.de

Dorsch Holding GmbH

Hugo-Eckener-Ring
Frankfurt am Main, 60549

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2023 Global Sourcebook Directory

Germany

Ayman Haikal, CEO
49 69 130257 0
www.dorsch.de

Drees & Sommer

Obere Waldplätze 13
Stuttgart, 70569
Germany
Steffen Szeidl, CEO
4971113170
www.dreso.com

Exyte GmbH

Loewentorbogen 9b
Stuttgart, 70376
Germany
Dr. Wolfgang Buechele, CEO and Chairman
49 711 8804 0000
www.exyte.net

Fichtner Group

Sarweystr. 3
Stuttgart, 70191
Germany
Dr. Andreas Weidler, Managing Director and CEO
49 711 89950
www.fichtner.de

Greece

Associated Consulting Engineers

Frangoklissias Ave. 4.
Athens, 15125
Greece
Hani Hakim, Chairman
30 210 6105090
www.ace-intl.com

Consolidated Contractors Group

62B KIFISSIAS AVE., MAROUSSI
ATHENS, 15110
Greece
JAMAL BAHLAWAN, CEO
30 210 6182000
www.ccc.net

India

Afcons Infrastructure Ltd.

16, SHAH INDUSTRIAL ESTATE, OFF VEERA DESAI
ROAD, AZAD NAGAR, ANDHERI WEST
MUMBAI, 400053
India
Mr. S. Paramasivan, Managing Director
91-22-67191000
www.afcons.com

Ircon International Ltd.

C-4, District Centre, Saket
New Delhi, 110017
India
Brijesh Kumar Gupta, Chairman & Managing Director
9560595086
www.ircon.org

Larsen & Toubro Ltd.

L&T House, N.M. Marg, Ballard Estate
Mumbai, 400001
India
S N Subrahmanyam, Chief Executive Officer and
Managing Director
91 22 67525656
www.larsentoubro.com

Shapoorji Pallonji & Co. Private Ltd.

A-70 Nagnindas Master Road, Fort
Mumbai, 400023
India
M D Saini, Chief Executive Officer
91 22 67490000
www.shapoorji.in

TATA Consulting Engineers Ltd.

Unit No. NB 1502 & SB 1501, 15th Floor, Empire
Tower, Cloud City Campus, Opp. Reliable Tech Park,
Thane-Belapur Road, Airoli
Navi Mumbai, 400708
India
Amit Sharma, Managing Director
www.tce.co.in

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Tata Projects Ltd.

Hiranandani Business Park, 2nd, 3rd & 4th floor, One
Boulevard, Powai
Mumbai, 400076
India
Vinayak Pai, Managing Director & Chief Executive
officer
91-22-67402900
www.tataproyects.com

Iran

Blue&P Infrastructure Group

No. 16, Naghdi Ave., North Mofateh St.
Tehran, 1576649119
Iran
Mahdi Mirzaei, Managing Director
982191072222
www.blueandpgroup.com

Ireland

Nicholas O'Dwyer Ltd.

Nutgrove Office Park
Dublin, D14 V3F6
Ireland
Jim Oliver, Managing Director
35312969000
www.nodwyer.com

PM Group

Kilakee House, Belgard Square
Dublin, D24 XFW2
Ireland
Dave Murphy, Chief Executive Officer
353 1 4040700
www.pmgroun-global.com

Israel

Electra Ltd.

2 Jabotinsky Street, Amot Atrium Building
Ramat Gan, 5250501
Israel
Itamar Deutscher, CEO
97237535666
www.electra.co.il/en

Italy

3TI PROGETTI

via delle sette chiese 142
roma, 145
Italy
Alfredo Ingletti, Engineer
390655301518
www.3tiprogetti.it

ACPV Architects Srl

Via Cerva, 4
Milan, 20122
Italy
Patricia Viel, Architect
39027638801
www.acpvarchitects.com

ATIprouect Srl

Via G.B.Picotti 12-14
Pisa, 56124
Italy
Branko Zrnic, Founding partner
39050578460
www.atiprouect.com

Bonatti

via Nobel, 2/A
Parma, 43122
Italy
Mr. Andrea Colombo, CEO
39 0521 6091
www.bonatti.it

DBA Group

Viale Felissent 20/d
Villorba (TV), 31020
Italy
Raffaele De Bettin, CEO
39 0422 693511
www.dbagroun.it

Danieli & C. O.M. SpA

Via Nazionale 41
Buttrio, 33042
Italy

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Giacomo Mareschi Danieli, eng.

390432195811

www.danieli.it

Ghella SpA

Via Pietro Borsieri, 2a

Rome , 195

Italy

Enrico Ghella, CEO

39 06456031

www.ghella.com

ICM SpA

Viale dell'Industria 42

Vicenza, 36100

Italy

Darik Gastaldello, Eng.

390444336111

www.gruppoicm.com/en

IRD Engineering

Lungotevere delle Navi, 30

Rome, 196

Italy

Paolo Orsini, General Manager

390697611271

www.irdeng.com

ITINERA SpA

Via Mario Balustra, 15

Tortona, 15057

Italy

Luciano Giovanni Reguzzo, Professional Degree

3901318691

www.itinera-spa.it

Impresa Pizzarotti & C. SpA

VIA ADORNI, 1

PARMA, 43121

Italy

CARLO LUZZATTO, CORPORATE CEO

5212021

www.pizzarotti.it

Italconsult SpA

Via di Villa Ricotti 20

Rome, 161

Italy

Antonio Bevilacqua, CEO

39064417321

www.italconsult.com

Italferr SpA

via Vito Giuseppe Galati 71

Rome, 155

Italy

Andrea Nardinocchi, Chief Executive Officer

390649751

www.italferr.it

Maeg Costruzioni SpA

Via Toniolo 40

Vazzola, 31028

Italy

Alfeo Ortolan, Mr

390438441558

www.maegspa.com/en

Maire Tecnimont SpA

Via Gaetano De Castillia, 6A

Milano, 20124

Italy

ALESSANDRO BERNINI, Chief Executive Officer Title

39 02 63131

www.mairetecnimont.com

Manens-Tifs SpA

Corso Stati Uniti, 56

Padova, 35127

Italy

Giorgio Finotti, Engineer

390498705110

www.manens.com

PROGER SpA

VIA VALADIER 42

ROME, 193

Italy

MARCO LOMBARDI, ENGINEER

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2023 Global Sourcebook Directory

3906448771
www.proger.it

Politecnica Ingegneria

Street address 220, GALILEO GALILEI STREET
MODENA, 41126

Italy
FRANCESCA FEDERZONI, MS
39059356527
www.politecnica.it

SICIM SpA

Via Consolatice Superiore, 96/98
Busseto (PR), 43011

Italy
ATTILIO CAGNANI
39 0524 930211
www.sicim.eu

Salcef Group SpA

Via Salaria 1027
Rome, 138

Italy
Valeriano Salciccia, Master Degree
3906416281
www.salcef.com

Technital SpA

Carlo Cattaneo, 20
Verona, 37121

Italy
Alberto Scotti, President and CEO
39 0458053611
www.technital.net

Trevi SpA

Via Dismano, 5819
Cesena, 47522

Italy
Giuseppe Caselli, Chief Executive Officer
39 0547 319111
www.trevispa.com

webuild SpA

Centro Direzionale Milanofiori, Strada 6, Palazzo L

Rozzano (MI), 20089

Italy
Pietro Salini, CEO
39 0244422111
www.webuildgroup.com

Japan

CTI Engineering Group

3-21-1, Nihombashi Hamacho
Chuo, 103-8430

Japan
Tetsumi Nakamura, Representative Director &
President, CEO
81-3-3668-0370
www.ctie.co.jp

Chiyoda Corp.

Minato Mirai Grand Central Tower 4-6-2
Yokohama, 220-8765

Japan
Masakazu Sakakida, Chairman of the Board,
President & CEO
www.chiyodacorp.com/en

Chodai (PDT Group)

1-20-4 Nihonbashi Kakigara-cho, Chuo-ku
Tokyo, 103-0014

Japan
Yasuji NAGAYA, Representative Director and
President
81-3-6860-5974
www.chodai.co.jp/en

JGC Holdings Corp.

2-3-1, Minato Mirai, Nishi-ku
Yokohama-shi, 220-6001

Japan
Masayuki Sato, Representative Director, Chairman
and Chief Executive Officer
81-45-682-1111
www.jgc.com/en

Kajima Corp.

3-1, Motoakasaka 1-chome, Minato-ku
Tokyo, 107-8388

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Japan

Hiromasa Amano, President, Representative Director

81-3-5544-1111

www.kajima.co.jp/english/welcome.html

Kinden Corp.

2-1-21, Kudan Minami

Chiyoda, 102-8628

Japan

Mr. Takao Uesaka, President

81-3-5210-7103

www.kinden.co.jp

Nippon Koei Group

05/04/2023

Kojimachi Chiyoda-ku, 102-8539

Japan

Haruhiko KANAI, Director General/Senior Managing

Executive Officer

81 3 5276 3596

www.n-koei.co.jp/english/index.html

Obayashi Corp.

2-15-2, Konan

Minato-ku, 108-8502

Japan

Kenji Hasuwa, Representative Director President and CEO

81-3-5769-1111

www.obayashi.co.jp/en

Oriental Consultants Global (OCHD)

3-12-1, Honmachi

Shibuya-ku, 151-0071

Japan

Hidenori Nozaki, President

81-3-6311-6641

www.oriconhd.jp/english

PADECO Co. Ltd.

6-17-19 Shinbashi

Minato-ku, Tokyo, 105-0004

Japan

Takashi Soma, President/CEO

81-3-5733-0855

www.padeco.co.jp/en

Pacific Consultants Co. Ltd.

3-22, Kanda-Nishikicho

Chiyoda-ku, 101-8462

Japan

Osamu Omoto, President and Chief Executive Officer

81-3-6777-3723

www.pacific.co.jp

Penta-Ocean Construction Co. Ltd.

2-8, Koraku 2-chome,

Bunkyo-ku, 112-8576

Japan

Takuzo Shimizu, President, Chief Executive Officer & Representative Director

81-3-3817-7181

www.penta-ocean.co.jp

Shimizu Corp.

2-16-1, Kyobashi

Chuo-ku, 104-8370

Japan

Kazuyuki Inoue, President & Representative Director

03-3561-1111

www.shimz.co.jp/en

Sumitomo Mitsui Construction Co. Ltd.

2-1-6 TSUKUDA

CHUO-KU, 104-0051

Japan

Shoji Kimijima, Director Chairman

81-3-4582-3173

www.smcon.co.jp/en

Taisei Corp.

1-25-1 Nishi Shinjuku, Shinjuku-ku

Tokyo, 163-0606

Japan

Mr. Yoshiro Aikawa, President and Chief Executive Office

81-3-3348-1111

www.taisei.co.jp/english

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Takenaka Corp.

1-13, 4-choume, Honmachi, Chuo-ku
Osaka
Japan
Toichi Takenaka, Honorary Chairman of the Board
81-3 6810-5140
www.takenaka.co.jp

Toyo Engineering Corp.

8-1, Akanehama 2-chome
Narashino-shi, 275-0024
Japan
Eiji Hosoi, President & CEO
81-47-451-1111
www.toyo-eng.com/jp

Yachiyo Engineering Co. Ltd.

5-20-8, Asakusabashi
Taito-ku, 111-8648
Japan
Tsutomu TAKAHASHI, President
03-5822-2900
www.yachiyo-eng.co.jp/e

Jordan

Arabtech Jardaneh

Ayman Krayyem Al Ma`aytah st. Building #3
Amman, 11191
Jordan
Hamzeh Awwad, Chief Executive Officer
962-6-585 7167
www.aj-group.com

Dar Al Omran Planning Architecture Eng'g

29 Ibrahim Al Khaldi St.
Amman
Jordan
Anas C. Sinno, General Manager
www.dao-badran.com

Engicon

127 Ahmad Bin Hanbal St., Jabal Lweibdeh
Amman, 11190
Jordan
Tarek Zuriekat, Chief Executive Officer (CEO)

962 6 460 2120
www.engicon.com

Kazakhstan

BI Group

17M Syganak Street
Astana, 010 000
Kazakhstan
Askhat Omarov, Holding CEO
7 701 736 03 60
company.bi.group/en

Kuwait

Combined Group Contracting Co. (K.S.C)

Kuwait
Kuwait, 4819 Safat 13049
Kuwait
Sulaiman Al Marouf, Chief Executive Officer
965 22254545
www.cgc-kw.com

KEO International Consultants

Flamingo Complex. Kuwait Free Trade Zone
Kuwait, 13037
Kuwait
Donna Sultan, President and CEO
965 24616000
www.keoic.com

Mohammed Abdulmohsin Al-Kharafi & Sons

Khaled Bin Al-Waleed street
Kuwait City, P. O. Box 886, Safat 13009, Kuwait
Kuwait
Loay Jassim Al-Kharafi, Chief Executive Officer
965 22323314
www.makharafi.net

Lebanon

Contracting and Trading Co. (C.A.T.)

C.A.T. Building, Al Arz Street, Saifi Quarter
Beirut , 11072070
Lebanon
Aziz Bassoul, Director

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2023 Global Sourcebook Directory

9611440400
www.catgroup.net

Khatib & Alami

14-6203
Beirut, 1105-2100
Lebanon
Najib Khatib, CEO and Chairman
961-1-843843
www.khatibalami.com

SETS

Hamra Main Street
Beirut
Lebanon
Dr. Isam Kaysi, Co-Founder & SETS Group CEO –
Senior Expert
9611755411
www.setsintl.net

Luxembourg

Jan De Nul Group (Sofidra SA)

34-36 Parc d'Activités Capellen
Capellen, 8308
Luxembourg
ir. J.P.J. De Nul, Director Jan De Nul Group
352 39 89 11
www.jandenul.com

Malaysia

HSS Engineers Berhad

B1(1-4), Block B, Plaza Dwitasik, No 21, Jalan 5/106,
Bandar Sri Permaisuri
Kuala Lumpur, 56000
Malaysia
Tan Sri Kuna Sittampalam, Executive
Chairman/Acting Group CEO
603 91730355
www.hssgroup.com

Ranhill Bersekutu Sdn Bhd

Suite 2302, Level 23, Plaza Permata, No.6 Jalan
Kampar Off Jalan Tun Razak
Kuala Lumpur, 50400

Malaysia
Arvind Viswanath Menon, Ir.
603-2716 8888
www.ranhillbersekutu.com.my

Malta

ERG International Holdings Ltd.

NO.11,L-UFFICCJI - GROUND FLOOR,MISRAH 28
TA'FRAR 1883
BIRKIRKARA
Malta
MURAT DEDEOĞLU, GROUP CEO
356 2149 0644
www.erg-int.co.uk

Netherlands

Arcadis NV

Gustav Mahlerplein 97-103
Amsterdam, 1082 MS
Netherlands
Alan Brookes, Chief Executive Officer
31 (0)88 4261 261
www.arcadis.com

Bilfinger Tebodin

Laan van Nieuw Oost-Indië 25
The Hague, 2593 BJ
Netherlands
Wim van den Brink, CEO
31 88 996 70 00
www.tebodin.bilfinger.com

Deerns

Anna van Buerenplein 21F
The Hague, 2595 DA
Netherlands
Tjerk van der Meer, CEO
31 88 3740000
www.deerns.com

Fugro NV

Veurse Achterweg 10
Leidschendam, 2260AA
Netherlands

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M.Heine, CEO
31 70 31 11 112
www.fugro.com

Royal Boskalis BV

Rosmolenweg 20
Papendrecht, 3356 LK
Netherlands
P.A.M. Berdowski
www.Boskalis.com

Royal HaskoningDHV

Laan 1914 no. 35
Amersfoort, 3818EX
Netherlands
Marije Hulshof, Chief Executive Officer
31883482000
royalhaskoningdhv.com

New Zealand

Beca Group Ltd.

21 Pitt Street
Auckland, 1010
New Zealand
Greg Lowe, Group Chief Executive
64 9 300 9000
www.beca.com

Portugal

Mota-Engil

Rua Rego do Lameiro, 38
Porto, 4300-454
Portugal
Carlos Mota Santos, CEO
351214158576
www.mota-engil.com

Puerto Rico

Álvarez-Díaz & Villalón | Arch. & Int. Design

200 Convention Blvd., Ste 201
San Juan, 907
Puerto Rico
RICARDO ÁLVAREZ-DÍAZ, COFOUNDER & CEO

787-754-1381
www.alvarezdiazvillalon.com

Qatar

Urbacon Trading and Contracting WLL

303
Doha, 201184
Qatar
Mohd Sabri, Group Chief Executive Officer
97444292787
www.uccholding.com

Romania

Synergy Construct SRL

Equilibrium Business Center Str. Gara Herăstău 2, 8th
floor, Sector 2
Bucharest
Romania
Savas Gunata, Managing partner
36205086171
syncons.eu

Russia

JSC Mosinzhproekt

Khodynsky Blvd., 10
Moscow, 125252
Russia
Kravtsov Yuri Nikolaevich, CEO
7968-965-50-40
mosinzhproekt.ru

Velesstroy LLC

2-nd Tverskaya-Yamskaya, 10
Moscow, 125047
Russia
Kresimir Filipovic, Chief Executive Officer
www.velesstroy.com

Saudi Arabia

Zuhair Favez Partnership Consultants

6409 King Abdulaziz Road Ar Rabea District
Riyadh, 13316-2711
Saudi Arabia
Dr. AbdulAziz M. Al Assaf, Chief Executive Officer

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00966-11-4048484

www.zfp.com

Serbia

Energoprojekt Holding PLC

Bulevar Mihajla Pupina 12, PO Box 20

Belgrade , 11070

Serbia

Dobroslav Bojović, CEO

38111 3101030

www.energoprojekt.rs

Singapore

Surbana Jurong Private Ltd.

38 Cleantech Loop, #01-31

Singapore, 636741

Sean Chiao, Group CEO

65 6248 1288

surbanajurong.com

South Africa

PRDW Group

5th Floor Nedbank Building V&A Waterfront

Cape Town, 8001

South Africa

27214183830

www.prdw.com

South Korea

DL E&C Co. Ltd.

Tongil-ro 134, Seodaemun D-Tower

Seoul, 3181

South Korea

Chang Min Ma, Chief Executive Officer

82-2-2011-7114

www.dlenc.co.kr

Daewoo Engineering and Construction Co. Ltd.

170, Eulji-ro, Jung-gu

Seoul, 4548

South Korea

Jungwan Baek, President & CEO

82-2-2288-3114

www.daewooenc.com

Dohwa Engineering Co. Ltd.

438 Samseong-ro, Gangnam-gu

Seoul, 6178

South Korea

Seung-Woo Park, Chairman

82-2-6323-3000

www.dohwa.co.kr

GS Engineering & Construction

33 Jong-ro, Jongro-gu

SEOUL, 3159

South Korea

Forest Lim, Vice Chairman

82-2-2154-1112

www.gsenc.com

Hanwha Engineering & Construction

86 Cheonggyecheon-Ro

Seoul, 7320

South Korea

☒☒☒ ☒☒☒☒

82-02-729-5589

www.hwenc.co.kr

Heerim Architects & Planners Co. Ltd.

39, Sangil-ro 6-gil

Gangdong-gu, 5288

South Korea

Young Kyoon Jeong, Chairman / CEO

+82-2-3410-9000 / +82-2-3490-8500(International call)

heerim.com

Hyundai Engineering & Construction Co. Ltd.

Hyundai Building, 75 Yulgok-ro, Jongno-gu

Seoul, 3058

South Korea

Mr. Young-Joon YOON, President & CEO

82 2 746 0506

en.hdec.kr

Hyundai Engineering Co. Ltd.

75, Yulgok-Ro, Jongno-Gu

Seoul, 3058

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2023 Global Sourcebook Directory

South Korea

Hyeon-Sung Hong, President / CEO

82 2 2134 1114

www.hec.co.kr/en

KEPCO Engineering & Construction Co. Inc.

269 Hyeoksin-ro

Gimcheon-si, 39660

South Korea

Sung-arm, Kim, President & CEO

82-54-421-3114

www.kepco-enc.com

Korea Engineering Consultants Corp.

111-21, Deokpungdong-ro, Hanam-si, Gyeonggi-do,

Republic of Korea

Hanam City, 12927

South Korea

Chi Heon Kim, CEO & President

82-2-2049-2807

www.kecc.co.kr

Kunhwa Engineering & Consulting Co. Ltd.

321, Teheran-ro, Gangnam-gu

Seoul, 6151

South Korea

Hong, Kyung Pyo, Chairman

82269387500

www.kunhwaeng.co.kr

Lotte Engineering & Construction Co. Ltd.

29, 14-Gil, Jamwon-Ro, Seocho-Gu

Seoul, 6515

South Korea

PARK, HYUN CHUL, CEO / Vice Chairman

82-10-3599-5706

www.lottecon.co.kr

POSCO Engineering & Construction

241, Incheon tower-daero, Yeosu-Gu

Incheon, 22009

South Korea

SUNG HEE HAN, President

82-32-748-2114

www.poscoenc.com:446/en

SK Ecoplant

19, Yulgok-ro 2-gil, Jongno-gu, Seoul, Korea

Seoul, 3143

South Korea

Kyung Il Park, President & CEO

820237007114

www.skecoplant.com/en

Samoo Architects & Engineers

1077, Cheon-daero

Seoul, ASI KR KS013

South Korea

Sohn, Chang-kyu, CEO

www.samoo.com

Samsung C&T Corp.

Sangil-ro 6-gil 26, Tower B

Seoul, 5288

South Korea

Sechul Oh, President & CEO

secc.co.kr

Samsung Engineering Co. Ltd.

SAMSUNG GEC, Sangil-ro 6gil 26, Gangdong-gu

Seoul, 5288

South Korea

Hong Namkoong, President / CEO

82 2 2053 3000

www.samsungengineering.com

Soosung Engineering Co. Ltd.

403, 510, Changi-daero, Uichang-gu

Chang-won-si, 51430

South Korea

Mi Rye PARK, Chief Executive Officer

82-2-2142-9190

www.soosungeng.com

Ssangyong Engineering & Construction Co. Ltd.

299, Olympic-ro, Songpa-gu

Seoul, 5510

South Korea

KIM, KI MYUNG, CEO

82-2-3433-7114

www.ssyenc.com

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Yooshin Engineering Corp.

8, Yeoksam-ro 5 gil, Gangnam-gu
Seoul, 6252
South Korea
Park Seog Sung, President & CEO
82262020930
www.yooshin.com

Spain

ACCIONA

Gran Via de Hortaleza, 3
Madrid, 28033
Spain
Carlos Planelles, Managing Director
34 916632850
www.accionacom

AYESA

C. Marie Curie, 2, Spain
Sevilla, 41092
Spain
José Luis Manzanares Abásolo, CEO
34 954 46 70 46
www.ayesa.com/en

COMSA Corporación

Viriat, 47
Barcelona, 8047
Spain
Guillermo Lorenzo Rodrigo, CEO of Infrastructure,
Engineering and Services
34933662100
www.comsa.com

Empresarios Agrupados Internacional SA

c/Magallanes, 3
Madrid, 28015
Spain
Javier Perea Sáenz de Buruaga, Managing Director
and CEO
34913098000
www.empresariosagrupados.es

FCC SA

Avda. Camino de Santiago, 40

Madrid, 28050

Spain
Pablo Colio Abril, Chief Executive Officer
34 91 757 32 47
www.fcc.es

Ferrovial

Príncipe de Vergara 135
Madrid, 28002
Spain
Ernesto López Mozo, Mr
www.ferrovial.com/es-es

Grupo ACS/Hochtief

Avenida de Pio XII 102
Madrid, 28036
Spain
Juan Santamaria, CEO
34 91 343 9446
www.grupoacs.com

Grupo Empresarial San Jose SA

Rosalía de Castro, 44
Pontevedra, 36001
Spain
JACINTO REY GONZALEZ, PRESIDENT
34 91 806 54 00
www.grupo-sanjose.com

IDOM

Zarandoa 23
Bilbao, 48015
Spain
Ignacio Rey, CEO
944797600
www.idom.com

Ingenieria Y Economia Del Transporte SA (INECO)

Paseo de la Habana, 138
Madrid, 28036
Spain
Sergio Vázquez, President
0034 91 4521200
www.ineco.com

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OHLA

PASEO DE LA CASTELLANA 259 D
MADRID, 28046

Spain

Jose Antonio Fernandez Gallar, CEO

34 676276956

ohla-group.com

Sacyr

CONDESA DE VENADITO 7

MADRID, 28027

Spain

MANUEL MANRIQUE, CHAIRMAN AND CEO

34915455000

www.sacyr.com

Sener Grupo de Ingeniería SA

Avda de Zugazarte, 56

Getxo, 48930

Spain

Jorge Sendagorta Cudós, Chief Executive Officer

34 944 817 501

www.group.sener

Tecnica y Proyectos SA (TYPSA)

GOMERA N° 9

SAN SEBASTIAN DE LOS REYES , 28703

Spain

PABLO BUENO TOMAS, PRESIDENT & CEO

3491727300

www.typsa.com

Vepica Grupo Internacional SLU

Calle Velasquez 94, 1era planta

Madrid, 28006

Spain

Miguel Bocco, Chief Executive Officer

58212822800

www.vepica.com

Sweden

AFRY

Frösundaleden 2A

Solna, 169 75

Sweden

Jonas Gustavsson, President and CEO

www.afry.com

Skanska AB

Warfvinges väg 25

Stockholm, SE-112 74

Sweden

Anders Danielsson, CEO

46766074816

www.group.skanska.com

Sweco AB

Gjörwellsgatan 22

Stockholm, 100 26

Sweden

Åsa Bergman, President & CEO

46 8 695 60 00

www.swecogroup.com

Switzerland

Lombardi Group

Via del Tiglio 2

Giubiasco-Bellinzona, 6512

Switzerland

Mr. Michele Fumagalli, MSc, EMBA

41917353100

www.lombardi.group

Pini Group

Piazza Stazione 15

Grono, 6537

Switzerland

Andrea Galli, Group CEO

41 91 820 35 00

www.pini.group

Taiwan

CTCI Corp.

89, Sec. 6, Zhongshan N. Rd.,

Taipei , 111046

Taiwan

Ming-Shyan Lee, President

(886)2-2833-9999

www.ctci.com

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Tunisia

STUDI International

28, Rue de l'île de Zembretta
Les Jardins du Lac, Lac II, 1053
Tunisia
Mohamed Ben Youssef, Chief Executive Officer
21670021000
www.studi.com.tn

Turkey

Alarko Contracting Group

Dikilitas Mah Emirhan Cad Barbaros Plaza No 113/C
Kat:3 Besiktas
Istanbul, 34349
Turkey
Ümit Nuri Yıldız, Chief Executive Officer
902129535700
www.alsimalarko.com.tr

Ant Yapi Industry & Trade Inc.

Akcakoca St., No:11
Istanbul, 34768
Turkey
KADIR TOKMAN, Chairman/Co-founder
(90) (216) 630 67 67
www.antiyapi.com.tr

Aslan Yapi ve Ticaret AS

Cankaya District, Cemal Nadir Street, No. 18
ANKARA, 6690
Turkey
Mustafa Cihad ARSLAN, GENERAL MANAGER
213 560 00 47 02
www.aslan-yapi.com.tr

Bayburt Group

Anittepe Mah. Isik Sok. No. 20 Cankaya
Ankara, 6570
Turkey
Abdurrahman Senturk, Head of Board, CEO
0090 312 229 08 08
www.bayburtgroup.com

Calik Enerji Sanayi ve Ticaret AS

Buyukdere Cad No 163 Zincirlikuyu Sisli
Istanbul, 34394
Turkey
Onur Yucekak, General Manager
902123065102
www.calikenerji.com

Cengiz Construction Industry & Trade Co. Inc.

Altunizade Mah. Kısıklı Cad. No:37
Istanbul, 34662
Turkey
MEHMET CENGİZ, CEO-CHAIRMAN
902165545300
www.cengiz.com.tr

Dekinsan Grup Insaat AS

GOLGELI SOKAK NO: 21 G.O.P. CANKAYA
ANKARA, 6700
Turkey
FUAT TASTAN, GENERAL DIRECTOR
90 312 230 38 52
www.dekinsan.com.tr

Dogus Insaat Ve Ticaret AS

Buyukdere Caddesi No:249
Istanbul, 34398
Turkey
Tolga AKKAŞ, CEO
902128000500
www.dogusinsaat.com.tr

Dolsar Engineering

Mustafa Kemal Mah., 2118. Cad. No:4, Maidaan Is
Merkezi, C Blok Kat 8, Cankaya
Ankara, 6530
Turkey
H. Irfan AKER, Chairman
90 312 412 8000
www.dolsar.com.tr

Dorce Prefabricated Building and Construction Industry Trade Inc.

A. Öveçler Mah. 1325. Sk. No:6, Çankaya
Ankara, 6460

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Turkey

Suheyyla Cebi Karahan, CEO

90 312 472 82 10 (pbx)

www.dorce.com

Enka Insaat ve Sanayi AS

Balmumcu Mahallesi, Zincirlikuyu Yolu No:10

Istanbul, 34349

Turkey

Mehmet Tara, President and Chairman of the

Executive Committee

0090-212-376-1000

www.enka.com

Eser Contracting

695. Cad. No:1 Hilal Mah. Cankaya

Ankara, 6550

Turkey

Ilhan Adiloglu, President

www.eser.com

Esta Insaat Sanayi Lojistik ve Dis Ticaret AS

Acibadem Mahallesi Cecen Sokak No:27 Kapi No:1

Istanbul, 34660

Turkey

MUSTAFA TOPRAK, CEO

902166810037

www.estacons.com

Euro Consult for Engineering Consultancy

Maslak Mah. Ataturk Oto Sanayi 55 Sok No:2 Maslak

45 A Blok D

Istanbul, 34398

Turkey

Tarik Kabo, General Manager

90(212)2444625

www.euroconsult.com

Feka Insaat Sanayi ve Ticaret AS

Kızılızüm Cad. No:15 -Kemalpaşa

İzmir, 35730

Turkey

Akın Erden, General Manager

90 232 877 10 55

www.feka.com

GAP INSAAT YATIRIM VE DIS TICARET AS

Büyükdere Cad. No:163 Esentepe - Zincirlikuyu

Istanbul, 34394

Turkey

LEVENT KAFKASLI, GENERAL MANAGER

902123065000

www.gapinsaat.com

Gulermak

Konya Yolu 23.Km No:111, Gölbaşı

Ankara, 6830

Turkey

Kemal Güteryüz, Chairman

903124841489

www.gulermak.com.tr

ILK Construction

Yenişehir Mahallesi Arif Sokak No.2 Ataşehir

İstanbul, 34779

Turkey

Selami Erdoğan, CEO

902164555544

www.ilkconstruction.com

Ic Ictas Insaat Sanayi Ve Ticaret AS

Merkez Mah. Silahsor Cad. Hilton Otel Apt. No:42/1

Sisli/ISTANBUL

ISTANBUL, 34380

Turkey

FIRAT CECEN, Board Chairman

90 212 338 7100

www.ictas.com.tr

Iris Insaat Turizm Sanayi Ve Ticaret AS

Halkali M Merkez Mah. Basın Ekspres Cad. Capital

Tower Sitesi N: 9 Ic Kapi N: 65

ISTANBUL, 34303

Turkey

Ibrahim Hakki Sisman, Architect

974 4008 6888

www.irisas.com.tr

KUZU Group

Yesilkoy Cad. No: 19 Florya

Istanbul

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Turkey

OZEN KUZU, MR

902126632666

www.kuzugrup.com

Kolin Insaat Turizm Sanayi ve Ticaret AS

Horasan Sokak No:14

Ankara, 6680

Turkey

Naci Koloğlu, Chairman of the Board

903124471700

www.kolin.com.tr

LIMAK INSAAT SANAYI VE TICARET AS

HAFTA SOKAK NO:9 GOP CANKAYA

ANKARA, 6700

Turkey

FEYİZ GENÇ, BOARD MEMBER

903124468800

www.limak.com.tr

MAKYOL İnşaat Sanayi Turizm ve Ticaret AS

Tepecik Caddesi Melodi Sokak ITU Bloklari E Blok

Etiler

Istanbul, 34337

Turkey

Adnan Çebi, Chairperson and CEO

902123514151

makyol.com.tr

MBD Insaat Sanayi Ve Ticaret AS

Asagi Ovecler Mah. 1314. Cad. No:20/1

Ankara, 6460

Turkey

Remzi Demircan, Architect

90 312 472 78 30

www.mbdinsaasat.com

Mapa Insaat ve Ticaret AS

Ugur Mumcu Cad. No: 88 GOP

Ankara, 6700

Turkey

Mehmet Nazif Günel, Chairman

903124363000

mapa.group

Metag Group

Konutkent Mah. 3028. Cad. No: 6/29

Ankara

Turkey

Tayfun Kayas, President

90 312 472 77 31

www.metag.com.tr

NKY Architects and Engineers

A. Ovecler Mah Lizbon Cad No:49

Ankara, 6460

Turkey

Birhan Emre Yazıcı, CEO

903122203095

www.nky.com.tr

Nata Insaat Turz. Tasimacilik Tic. Ve San. AS

İNÖNÜ MAHALLESİ FATİH SULTAN MEHMET

BULVARI NO: 412/A-50

ANKARA, 6370

Turkey

NAMIK TANIK, CHAIRMAN OF THE BOARD OF DIRECTORS

903122691232

www.nataholding.com

Onur Taahhut Tasimacilik Insaat Tic. Ve Sanayi AS

MUSTAFA KEMAL MAH. 2118 CADDE B BLOK NO:

4B/118 ÇANKAYA

ANKARA, 6510

Turkey

İHSAN ÇETİNCEVİZ, VICE PRESIDENT

90 312 491 96 96, +90 312 586 93 00

www.onurgroup.com

POLAT YOL YAPI SAN. VE TIC. AS

HASANPASA MAH. UZUNCAYIR YOLU CAD. NO:6

KADIKÖY

İSTANBUL, 34722

Turkey

CELALEDDİN POLAT, VICE PRESIDENT OF THE BOARD / GENERAL MANAGER

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2023 Global Sourcebook Directory

902163250686
www.polatyol.com

PROYAPI Engineering and Consultancy Inc.

1408. Cadde No:2 Balgat Mahallesi
Ankara, 6520
Turkey
Murat Koru, Chairman
90 312 287 46 65
www.proyapi.com

Renaissance Construction

Çankaya Mahallesi Atatürk Bulvarı No:144-146,
Çankaya
Ankara, 6640
Turkey
Atilla Kemal Sağlam, MR/Global CEO
903124413141
www.ronesans.com

SMK Group

Çetin Emeç Bulvarı 1314. Cadde. No:19
Ankara, 06460
Turkey
Hakan Isik, General Manager
90 312 286 1 765
www.smk.com.tr

STFA Construction Group

STFA İş Merkezi, Yeşil Vadi Sok. No.3
İstanbul, 34752
Turkey
Adnan Nas, Chief Executive Officer
902165789650
www.stfa.com

Sembol Uluslararası Yatırım Tarım Peyzaj Insaat

HARBIYE MAHALLESİ, DARULBEDAI CAD. İSTANBUL
KONGRE MERKEZİ NO:3
İSTANBUL, 34367
Turkey
ALI TAMINCE, Chairman of Executive Board
90 212 375 19 00
www.sembolinsaat.com.tr

Summa Turizm Yatirimcilig AS

27 ARALIK SOK. NO:3
CANKAYA, 6690
Turkey
SELIM BORA, PRESIDENT
903124413747
www.summa.com.tr

TAV CONSTRUCTION

VADİSTANBUL BULVAR, AYAZAGA DISTR,
AZERBAIJAN RD. BLOCK-1B, LEVEL 19,
NO:109B/43
İSTANBUL, 34396
Turkey
M. SANI SENER, CHAIRMAN
90 212 463 30 00
www.tavconstruction.com

Tekfen Construction and Installation Co. Inc.

Kültür Mah. Budak Sok. Tekfen Sitesi, C Blok
İstanbul
Turkey
Mr. Hakan Göral, CEO
902123593500
www.tekfenconstruction.com

Tekfen Muhendislik AS

Esentepe Mah. Buyukdere Cad. Tekfen Blok No:209 İç
Kapı No:1
İstanbul, 34394
Turkey
Metin Zagyapan, President
(+90 212) 357 03 03
www.tekfenmuhendislik.com

Temelsu International Engineering Services Inc.

Yildizevler 721. Sokak No:6 Cankaya
Ankara, 6550
Turkey
Nejat Demirörs, General Manager
90 312 442 47 20
www.temelsu.com.tr

Ustay Yapı Taahhut Ve Ticaret AS

AHI EVRAN CD.NO21 POLARIS PLAZA K.11 MASLAK

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SARIYER
ISTANBUL , 34485
Turkey

MURAT USTAY, GENERAL MANAGER
902123460112
www.ustay.com

Yapi Merkezi Insaat Ve Sanayi AS

Hacı Reşit Paşa Sokak, No: 4A, Üsküdar
İstanbul, 34676
Turkey
Mustafa Başar ARIOĞLU, Chairman of the Board of
Directors
90 216 321 90 00
www.yapimerkezi.com.tr

Yenigun Insaat Sanayi ve Ticaret AS

Ankara, 06610
Turkey
Fikret Yenigün, CEO
www.yenigun.com.tr

Yuksel Insaat Co. Inc.

SOGUTOZU CAD NO : 14/ A-B BESTEPELER
YENİMAHALLE
ANKARA, 6560
Turkey
EMİN SAZAK, CEO
903122842545
www.yuksel.net

Yuksel Proje AS

Birlik Mahallesi 450. Cadde, No:23
Ankara, 6610
Turkey
Celal AKIN, Chairman
903124957000
www.yukselproje.com.tr

ZAFER TAAHHUT INSAAT VE TICARET AS

100.YIL MAHALLESİ HATIR SOKAK NO:20 CANKAYA
ANKARA, 6700
Turkey
M. NECATI YAGCI, PRESIDENT

903124470070
www.zafer.com.tr

U.A.E.

Architecture & Planning Group

502 Al Masaaod Tower Hamdan St
Abu Dhabi, 2833
U.A.E.
Engr. Yasser Sharawy, CEO
02-6333022
www.apgarch.com

Dewan Architects + Engineers

Dubai Design District
Dubai, 60990
U.A.E.
Ammar Al Assam, CEO
97142402010
www.dewan-architects.com

National Marine Dredging Company (NMDC)

Mussafah, Industrial Area
Abu Dhabi, 2058
U.A.E.
Yasser Nassr Zaghoul, Group Chief Executive Officer
9712 513 0000
www.nmdc.com

Orascom Construction PLC

Office 301-303, Gate Village 1, Dubai International
Financial Centre
Dubai, 507031
U.A.E.
Osama Bishai, Chief Executive Officer
971 4 319 0900
www.orascom.com

Shaker Group

P.O. Box 112888
P.O. Box 112888, 112888
U.A.E.
Ismail Shaker, CEO
1019441490
www.shakergroup.com

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Sidara

Index Tower, Dubai International Financial Center
Dubai, 506855, Dubai, UAE
U.A.E.
Talal K Shair, Chairman and CEO
97143060000
www.sidaracollaborative.com

U.K.

Arup Group Ltd.

8 Fitzroy Street
London, England W1T 4BJ
U.K.
Alan Belfield, Chairman
020 7636 1531
www.arup.com

Mott MacDonald

Mott MacDonald House, 8-10 Sydenham Road
Croydon, England CR0 2EE
U.K.
James Harris, Executive Chair
44 (0)20 8774 2000
www.mottmac.com

Petrofac Ltd.

44 Esplanade, St Helier
St. Helier, Jersey JE49WG
U.K.
Tareq Kawash, Chief Executive Officer
44 20 7811 4900
www.petrofac.com

Wood

Sir Ian Wood House, Hareness Rd
Aberdeen, Scotland AB12 3LE
U.K.
Ken Gilmartin, Chief Executive Officer
44 1224 373 880
www.woodplc.com

U.S.A.

AECOM

13355 Noel Rd #400

Dallas, Texas 75240

U.S.A.

Troy Rudd, CEO
(972) 788-1000
aecom.com

APTIM

1200 Brickyard Lane, Suite 202
Baton Rouge, La. 70802
U.S.A.
Mark Fallon, Chairman & CEO
(833) 862-7846
www.APTIM.com

ARCO Construction Cos.

900 N Rock Hill Rd
Saint Louis, Mo. 63119
U.S.A.
Jeff Cook, Cofounder
314-963-0715
arcoconstruction.com

Adolfson & Peterson Construction

5500 Wayzata Blvd, Ste 600
Minneapolis, Minn. 55416
U.S.A.
Jeffrey Hansen, CEO
952-544-1961
www.a-p.com

Alberici-Flintco

8800 Page Avenue
St. Louis, Mo. 63114
U.S.A.
Peter Kozicz, CEO
3147332000
www.alberici.com

Allan Myers

1805 Berks Road
Worcester, Pa. 19490
U.S.A.
A. Ross Myers, CEO
610-584-6020
www.allanmyers.com

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Alston Construction

8775 Folsom Blvd.
Sacramento, Calif. 95826
U.S.A.
Paul Little, President/CEO
404-921-2020
alstonco.com

Ames Construction Inc.

2500 County Road 42 West
Burnsville, Minn. 55337
U.S.A.
Jerry Ouimet, President & CEO
952-435-7106
www.amesconstruction.com

Andersen Construction

6712 N. Cutter Circle
Portland, Ore. 97217
U.S.A.
Joel Andersen, CEO
503.283.6712
www.andersen-const.com

Arquitectonica

2900 Oak Ave.
Miami, Fla. 33133
U.S.A.
Timothy S. Reedy, CEO
305-372-1812
www.arquitectonica.com

Atwell LLC

Two Towne Square, Suite 700
Southfield, Mich. 48076
U.S.A.
Brian R. Wenzel, P.E., Chief Executive Officer
248-447-2000
www.atwell-group.com

Audubon

10205 Westheimer Rd
Houston, Texas 77042
U.S.A.
David Robison, CEO

281.669.0590
www.auduboncompanies.com

Austin Industries

3535 Travis Street, Suite 300
Dallas, Texas 75204
U.S.A.
David B. Walls, President & CEO
214-443-5500
www.austin-ind.com

Ayers Saint Gross

1040 Hull Street, Suite 100
Baltimore, Md. 21230
U.S.A.
Luanne Greene, President
410.347.8500
www.ayerssaintgross.com

BL Harbert International

820 Shades Creek Parkway, Suite 3000
Birmingham, Ala. 35209
U.S.A.
Billy Harbert, Chairman and CEO
205-802-2800
www.blharbert.com

BNBuilders

2601 4th Ave Suite 350
Seattle, Wash. 98121
U.S.A.
Brad Bastian, CEO/President
206-382-3443
www.bnbuilders.com

Balfour Beatty US

3100 McKinnon St, 6th Floor
Dallas, Texas 75201
U.S.A.
Eric Stenman, President and CEO (effective 4/3/23)
2144511000
balfourbeattyus.com

Barnard Construction Co. Inc.

701 Gold Ave

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Bozeman, Mont. 59715-2453

U.S.A.

Jeff Higgins, CEO

406-586-1995

www.barnard-inc.com

Barr Engineering Co.

4300 MarketPointe Dr Suite 200

Minneapolis, Minn. 55435

U.S.A.

Ward Swanson, Chief Executive Officer

(952) 832-2600

Barr.com

Barton Malow Holdings LLC

26500 American Drive

Southfield, Mich. 48034

U.S.A.

Ryan Maibach, President/CEO

(248) 436-5000

bartonmalow.com

Beam Longest & Neff

8320 Craig Street

Indianapolis, Ind. 46250

U.S.A.

James B. Longest, President

3178495832

www.b-l-n.com

Bechtel

12011 Sunset Hills Road, Suite 110

Reston, Va. 20190

U.S.A.

B. Bechtel, CEO

571-392-6300

www.bechtel.com

Big-D Construction

404 W 400 S

Salt Lake City, Utah 84101

U.S.A.

Cory Moore, CEO

801-415-6000

www.big-d.com

Black & Veatch

11401 Lamar Avenue

Overland Park, Kan. 66211

U.S.A.

Mario Azar, Chairman and CEO

913-458-2000

www.bv.com

Blue Ridge Power

105 Fairview Road, Suite

Asheville, N.C. 28803

U.S.A.

Chris Dunbar, CEO

833-436-1249

blueridgepower.com

Brasfield & Gorrie LLC

3021 7th Avenue S

Birmingham, Ala. 35233

U.S.A.

James M. Gorrie, CEO

205.328.4000

brasfieldgorrie.com

Brinkmann Constructors

16650 Chesterfield Grove Rd

Chesterfield, Mo. 63005

U.S.A.

Brian Satterthwaite, CEO

6365379700

brinkmannconstructors.com

Brown and Caldwell

201 N. Civic Drive

Walnut Creek, Calif. 94596

U.S.A.

Rich D'Amato, Chairman and CEO

303-239-5420

www.browncaldwell.com

Burns & McDonnell

9400 Ward Parkway

Kansas City, Mo. 64114

U.S.A.

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Ray Kowalik, Chairman and CEO
www.burnsmcd.com

CBRE

2100 McKinney Avenue, Suite 700
Dallas, Texas 75201
U.S.A.
Bob Sulentic, President & CEO
2149796100
www.cbre.com

CDM Smith

75 State Street
Boston, Mass. 2109
U.S.A.
Tim B. Wall, Chairman of the Board and Chief
Executive Officer
617-452-6000
www.cdmsmith.com

CHA Consulting Inc. (CHA)

575 Broadway, Suite 301
Albany, N.Y. 12207
U.S.A.
James Stephenson, CEO, CHA Holdings, Inc. &
President, CHA Consulting, Inc.
5184534500
www.chacompanies.com

CONSOR

155 N Upper Wacker Dr Suite 4150
Chicago, Ill. 60606
U.S.A.
Sandeep Patil, Chief Executive Officer
888-451-6822
consoreng.com

CORE Construction Group

6320 Research Rd
Frisco, Texas 75033
U.S.A.
Jim Jacobs, CEO
972-668-9340
coreconstruction.com

CRB

1251 N.W. Briarcliff Parkway, Suite 500
Kansas City, Mo. 64116
U.S.A.
Ryan Schroeder, President & CEO
(816) 880-9800
www.crbgroup.com

Caddell Construction

445 Dexter Ave Suite 11000
Montgomery, Ala. 36104
U.S.A.
Eddie Stewart, Chairman/Chief Executive Officer
334-272-7723
caddell.com

CannonDesign

300 E 42nd St 2nd Floor
New York City, N.Y. 10017
U.S.A.
Brad Lukanic, CEO
(212) 972-9800
www.CannonDesign.com

Carollo Engineers

2795 Mitchell Drive
Walnut Creek, Calif. 94598
U.S.A.
B. Narayanan, CEO/President
(800) 523-5826
www.carollo.com

Choate Construction Co.

8200 Roberts Drive, Suite 600
Atlanta, Ga. 30350
U.S.A.
Matt Brewer, President & CEO
678-892-1200
www.choateco.com

Clark Group

7900 Westpark Drive
McLean, Va. 22102
U.S.A.
Robert D. Moser, Jr., Chief Executive Officer

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3012728100

www.clarkconstruction.com

Clayco

35 East Wacker Drive

Chicago, Ill. 60601

U.S.A.

Russ Burns, CEO

3126580747

www.claycorp.com

Clune Construction

10 S Riverside Plaza, Suite 2200

Chicago, Ill. 60606

U.S.A.

R. David Hall, Chief Executive Officer

312.726.6103

www.clunegc.com

Colliers Engineering & Design

101 Crawfords Corner Road, Suite 3400

Holmdel, N.J. 7733

U.S.A.

Kevin Haney, President & CEO

877 627 3772

www.colliersengineering.com

Commercial Contracting Corp.

4260 N. Atlantic Blvd.

Auburn Hills, Mich. 48326

U.S.A.

Stephen Fragnoli, President & CEO

248-209-0500

www.cccnetwork.com

Consigli Building Group Inc.

72 Sumner Street

Milford, Mass. 1757

U.S.A.

Anthony Consigli, Chief Executive Officer

www.consigli.com

Construction Partners

200 Grove Park Lane, Suite 630

Dothan, Ala. 36305

U.S.A.

Fred J. (Jule) Smith, III, President and Chief Executive Officer

3343051275

www.constructionpartners.net

Corgan

401 North Houston Street

Dallas, Texas 75202

U.S.A.

Scott Ruch, Chief Executive Officer

2147482000

corgan.com

Crossland Construction Co. Inc.

833 S East Avenue

Columbus, Kan. 66725

U.S.A.

Ivan Crossland, Jr., CEO

620-429-1414

www.crossland.com

DLR Group

51 University Street, Suite 600

Seattle, Wash. 98101

U.S.A.

Steven McKay, RIBA, LEED AP, CEO, Managing Principal

206.461.6000

www.dlrgroup.com

DLZ Corp.

6121 Huntley Road

Columbus, Ohio 43229

U.S.A.

Vikram (Raj) V. Rajadhyaksha, P.E., Chairman & CEO

614-888-0040

www.dlz.com

DPR Construction

1450 Veterans Blvd

Redwood City, Calif. 94063

U.S.A.

George Pfeffer, Chief Executive Officer

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650-474-1450
www.dpr.com

Day & Zimmermann

1500 Spring Garden St
Philadelphia, Pa. 19130
U.S.A.

Harold L. Yoh, III, Chairman & CEO
(215) 299-8000
www.dayzim.com

DeSimone Consulting Engineers

140 Broadway, 25th Fl
New York, N.Y. 10005
U.S.A.

Stephen V. DeSimone, Chairman/CEO
212.532.2211
www.de-simone.com

Dennis Group

1537 Main Street
Springfield, Mass. 1103
U.S.A.

Tom Dennis, President & CEO
413.787.1785
www.dennisgroup.com

Devcon Construction Inc.

690 Gibraltar Drive
Milpitas, Calif. 95035
U.S.A.

Gary Filizetti, President
4089428200
www.devcon-const.com

Dewberry

8401 Arlington Boulevard
Fairfax, Va. 22031
U.S.A.

Donald E. Stone, Jr., Chief Executive Officer
703.849.0100
www.dewberry.com

E.E. Reed Construction LP

333 Commerce Green Blvd.

Sugar Land, Texas 77478
U.S.A.

E.E. "Gene" Reed, CEO
281-933-4000
www.eereed.com

ECC

1240 Bayshore Hwy.
Burlingame, Calif. 94010
U.S.A.

Manjiv S. Vohra, PE, DBIA, President & CEO
650-347-1555
www.ecc.net

ENERCON

500 Townpark Lane
Kennesaw, Ga. 30144
U.S.A.

Robert Bryan, President
770-919-1930
www.enercon.com

ENTRUST Solutions Group LLC

28100 Torch Parkway, Suite 400
Warrenville, Ill. 60555
U.S.A.

Adam Biggam, CEO
630-353-4000
www.entrustsol.com

EXP

205 N Michigan Ave, Suite 3600
Chicago, Ill. 60601
U.S.A.

Ivan Dvorak, Chairman and CEO
312.616.0000
www.exp.com

Engineering Consulting Services (ECS)

14030 Thunderbolt Place, Suite 500
Chantilly, Va. 20151
U.S.A.

Antony J. Fiorillo, PE, President
571-299-6000
www.ecslimited.com

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Ennead Architects LLC

1 World Trade Center
New York, N.Y. 10007
U.S.A.

V. Guy Maxwell, Kevin McClurkan, Molly McGowan,
Richard Olcott, Tomas Rossant, Todd Schliemann,
Peter Schubert, Don Weinreich, Thomas Wong,
Partner
(212) 807-7171
www.ennead.com

Evans General Contractors

3050 Northwinds Parkway, Suite 200
Alpharetta, Ga. 30009
U.S.A.

RT Evans, President & CEO
678-713-7616
evansgeneralcontractors.com

F.A. Wilhelm Construction

3914 Prospect Street
Indianapolis, Ind. 46203
U.S.A.

Philip Kenney, President
317-359-5411
www.fawilhelm.com

FCL Builders LLC

1150 Spring Lake Drive
Itasca, Ill. 60143
U.S.A.

Christopher P. Linn, President & CEO
(630) 773-0050
www.fclbuilders.com

Flad Architects

644 Science Drive
Madison, Wis. 53711
U.S.A.

Jeffrey C. Zutz, AIA, LEED AP, CEO/President
608-238-2661
flad.com

Fluor

6700 Las Colinas Blvd.

Irving, Texas 75039
U.S.A.

David E. Constable, Chief Executive Officer
469-398-7000
www.fluor.com

Fortis Construction Inc.

1705 SW Taylor St., Suite 200
Portland, Ore. 97205
U.S.A.

Jim Kilpatrick, CEO
503-459-4477
www.fortisconstruction.com

GEI Consultants Inc.

400 Unicorn Park Drive
Woburn, Mass. 1801
U.S.A.

Ronald P. Palmieri, P.E., President and Chief
Executive Officer
781-721-4000
www.geiconsultants.com

Gannett Fleming

207 Senate Avenue
Camp Hill, Pa. 17011
U.S.A.

Robert M. Scaer, PE, Chief Executive Officer
717.763.7211
www.gannettfleming.com

Garney Holding Co.

1700 Swift Street
North Kansas city, Mo. 64116
U.S.A.

Michael H. Heitmann, Chief Executive Officer
(816) 741-4600
www.garney.com

Gensler

220 Montgomery St., Suite 200
San Francisco, Calif. 94104
U.S.A.

Andy Cohen & Diane Hoskins, Co-CEOs

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2023 Global Sourcebook Directory

415.433.3700
www.gensler.com

Geosyntec Consultants

900 Broken Sound Parkway NW, Suite 200
Boca Raton, Fla. 33487
U.S.A.

Peter Zeeb, President and CEO
561-995-0900
www.geosyntec.com

Ghafari Associates LLC

17101 Michigan Avenue
Dearborn, Mich. 48126
U.S.A.

Kouhaila Hammer, President + CEO
313.441.3000
www.ghafari.com

Gilbane Building Co.

7 Jackson Walkway
Providence, R.I. 2903
U.S.A.

Thomas M. Laird, Jr., President and CEO
(401) 456-5800
www.gilbaneco.com

Goettsch Partners

224 South Michigan Avenue, Floor 17
Chicago, Ill. 60604
U.S.A.

James Zheng, CEO and President
312.356.0600
www.gpchicago.com

Granite Construction Inc.

585 West Beach Street
Watsonville, Calif. 95076
U.S.A.

KYLE LARKIN, President and Chief Executive Officer
831.724.1011
www.graniteconstruction.com

Gray Construction

10 Quality Street

Lexington, Ky. 40507
U.S.A.

Stephen Gray, Chief Executive Officer & President,
Gray, Inc.
859.281.5000
www.gray.com

Greenman-Pedersen Inc. (GPI)

325 West Main Street
Babylon, N.Y. 11702
U.S.A.

Patrick Kenneally, President/CEO
631-587-5060
www.gpinet.com

Gresham Smith

222 Second Avenue South, Suite 1400
Nashville, Tenn. 37201
U.S.A.

Rodney Chester, Chief Executive Officer
615-770-8100
www.greshamsmith.com

HDR

1917 S 67th Street
Omaha, Neb. 68106
U.S.A.

Eric L. Keen, P.E., Chief Executive Officer
402-399-1000
www.hdrinc.com

HITT Contracting Inc.

2900 Fairview Park Drive
Falls Church, Va. 22042
U.S.A.

Kim Roy, CEO
703.846.9000
hitt.com

HKS

350 North Saint Paul, Suite 100
Dallas, Texas 75201
U.S.A.

Dan Noble, Chairman & CEO

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2023 Global Sourcebook Directory

214-969-3320
www.hksinc.com

HNTB Cos.

715 Kirk Drive
Kansas City, Mo. 64105
U.S.A.
Rob Slimp, Chairman and CEO
816-472-1201
www.hntb.com

HOK

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

Halff

1201 North Bowser Road
Richardson, Texas 75081
U.S.A.
Mark Edwards, President/CEO
214-346-6200
www.halff.com

Hargrove Engineers & Constructors

20 S Royal St
Mobile, Ala. 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, N.Y. 10016
U.S.A.
Jim Tinson, AIA, Chief Executive Officer
212.683.5631
www.harthowerton.com

Harvey | Harvey-Cleary

3663 Briarpark Drive, Suite 101

Houston, Texas 77042
U.S.A.
Kelly Hall, Chief Executive Officer
7137838710
harveycleary.com

Haskell

111 Riverside Ave.
Jacksonville, Fla. 32202
U.S.A.
Jim O'Leary, Chairman, CEO & President
904-791-4500
www.haskell.com

Hathaway Dinwiddie Construction Co.

275 Battery Street, Suite 300
San Francisco, Calif. 94111
U.S.A.
Greg Cosko, President & CEO
415-986-2718
www.hdcco.com

Hazen and Sawyer

498 Seventh Avenue, 11 Floor
New York, N.Y. 10018
U.S.A.
Ron Taylor, PE, President and Chief Executive Officer
(212) 539-7000
www.hazenandsawyer.com

Hensel Phelps

420 6th Ave
Greeley, Colo. 80631
U.S.A.
Mike Choutka, CEO
www.henselphelps.com

Herzog

600 S. Riverside Rd
St. Joseph, Mo. 64507
U.S.A.
Brad Lager, Chairman and CEO
www.herzog.com

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Hoar Construction

Two Metroplex Drive, Ste 400
Birmingham, Ala. 35209
U.S.A.
Turner Burton, President
2058032121
hoar.com

Hoffman Construction

805 SW Broadway Suite 2100
Portland, Ore. 97205
U.S.A.
David Drinkward, President/CEO
503.221.8811
www.hoffmancorp.com

Holder Construction

3300 Riverwood Parkway, Suite 1200
Atlanta, Ga. 30339
U.S.A.
Wayne E. Wadsworth, Chief Executive Officer
770.988.3000
www.holderconstruction.com

Hunter Roberts Construction Group LLC

55 Water Street
New York, N.Y. 10041
U.S.A.
James C. McKenna, President & CEO
212-321-6800
www.hrcg.com

IMEG Corp.

623 26th Avenue
Rock Island, Ill. 61201
U.S.A.
Paul VanDuyne, President/CEO
3097880673
imegcorp.com

IPS-Integrated Project Services LLC

721 Arbor Way, Suite 100
Blue Bell, Pa. 19422
U.S.A.
Dave Goswami, PE, Chairman & Chief Executive

Officer
610-828-4090
www.ipsdb.com

Intertek-PSI

545 E. Algonquin Rd.
Arlington Heights, Ill. 60005
U.S.A.
Doug Dayton, President
6304813100
www.intertek.com/building

J.H. Findorff & Son Inc.

300 South Bedford St
Madison, Wis. 53703
U.S.A.
Jim Yehle, President & CEO
6084427065
www.findorff.com

J.T. Magen & Co. Inc.

44 West 28th Street, 11th Floor
New York, N.Y. 10001
U.S.A.
Maurice Regan, President
(212) 790-4200
www.jtmagen.com

JE Dunn Construction Group

1001 Locust St
Kansas City, Mo. 64106
U.S.A.
Gordon E Lansford III, President & Chief Executive
Officer
8164748600
www.jedunn.com

JRM Construction Management

242 West 36th St, 11th Floor
New York, N.Y. 10018
U.S.A.
David G. McWilliams, David B. McWilliams, Joseph P.
Romano, CEO, COO, President
212-545-0500
www.jrmcm.com

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Jacobs Solutions Inc.

1999 Bryan Street, Suite 1200
Dallas, Texas 75201

U.S.A.

Robert V. Pragada, Chief Executive Officer

1.214.638.0145

www.jacobs.com

Jensen Hughes

3610 Commerce Drive, Suite 817
Baltimore, Md. 21227

U.S.A.

Raj Arora, Chief Executive Officer

1-410-737-8677

www.jensenhughes.com

Johnson Mirmiran & Thompson Inc. (JMT)

40 Wight Avenue
Hunt Valley, Md. 21030

U.S.A.

John A. Moeller, President

410-329-3100

www.jmt.com

KCI Technologies Inc.

936 Ridgebrook Road
Sparks, Md. 21152

U.S.A.

Nathan Beil, Chairman of the Board and CEO

410-316-7800

www.kci.com

KPRS Construction

2850 Saturn
Brea, Calif. 92821

U.S.A.

Joel Stensby, CEO/President

7146720800

www.kprsinc.com

Kiewit Corp.

1550 Mike Fahey St
Omaha, Neb. 68102

U.S.A.

Rick Lanoha, President/CEO

402-342-2052

kiewit.com

Kimley-Horn

421 Fayetteville Street, Suite 600
Raleigh, N.C. 27601

U.S.A.

Steven E. Lefton, FASLA, PLA, AICP, President/CEO

919-677-2000

www.kimley-horn.com

Kleinfelder

770 First Avenue, Suite 400
San Diego, Calif. 92101

U.S.A.

Louis Armstrong, CEO

619-831-4600

www.kleinfelder.com

Kohn Pedersen Fox

11 W 42nd Street
New York, N.Y. 10036

U.S.A.

James von Klemperer, President

212 977 6500

www.kpf.com

LANGAN

300 Kimball Drive, 4th Floor
Parsippany, N.J. 7054

U.S.A.

David T. Gockel, President/CEO

9735604900

www.langan.com

LEO A DALY

8600 Indian Hills Drive
Omaha, Neb. 68114

U.S.A.

Steve Lichtenberger, President

402.391.8111

www.leoadaly.com

LJA Engineering

3600 W Sam Houston Pkwy S, Suite 600

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Houston, Texas 77042
U.S.A.
James Ross, PE, President & CEO
713-953-5200
www.lja.com

LeChase Construction Services LLC
205 Indigo Creek Drive
Rochester, N.Y. 14626
U.S.A.
William H. Goodrich, CEO & Managing Partner
5852543510
www.lechase.com

Leidos
1750 Presidents Street
Reston, Va. 20190
U.S.A.
Roger Krone, Chairman, CEO and President
3126054365
www.leidos.com

Level 10 Construction
1050 Enterprise Way, Suite 250
Sunnyvale, Calif. 94089
U.S.A.
Paul Moran, Chief Executive Officer, President
www.level10gc.com

ME Engineers
14143 Denver West Pkwy. Suite 300
Golden, Colo. 80401
U.S.A.
Mike Hart, CEO, Senior Principal, Managing Director
3034216655
me-engineers.com

MG2
1101 Second Ave Suite 100
Seattle, Wash. 98101
U.S.A.
Mitch Smith, CEO
(206) 962-6500
www.MG2.com

Manhattan Construction Group
5601 South 122nd East Avenue
Tulsa, Okla. 74146
U.S.A.
Larry Rooney, President
(918) 583-6900
www.manhattanconstructiongroup.com

MasTec Inc.
800 S. Douglas Rd., 12th Floor
Coral Gables, Fla. 33134
U.S.A.
Jose Mas, Chief Executive Officer
3055991800
www.mastec.com

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

McCarthy Holdings Inc.
12851 Manchester Road
St. Louis, Mo. 63131
U.S.A.
Ray Sedey, Chairman and Chief Executive Officer
314-968-3300
www.McCarthy.com

McGough
2737 Fairview Ave. N
St. Paul, Minn. 55113
U.S.A.
Tom McGough Jr., CEO
651-633-5050
www.mcgough.com

Mead & Hunt Inc.
2440 Deming Way
Middleton, Wis. 53562
U.S.A.
Andrew Platz, Chairman, CEO and President

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2023 Global Sourcebook Directory

608-273-6380
www.meadhunt.com

Merrick & Co.

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

Messer Construction Co.

643 W. Court Street
Cincinnati, Ohio 45212
U.S.A.
Tim Steigerwald, President & CEO
513-242-1541
www.messer.com

Michael Baker International

500 Grant Street Suite 5400
Pittsburgh, Pa. 15219
U.S.A.
Brian A. Lutes, Chief Executive Officer
(412)918-4000
www.mbakerial.com

Michels Corp.

817 Main Street
Brownsville, Wis. 53006
U.S.A.
Patrick D. Michels, President & CEO
920-924-4300
www.michels.us

Miron Construction Co. Inc.

1471 McMahon Drive
Neenah, Wis. 54956
U.S.A.
David. G. Voss, Jr., President & CEO
920-969-7000
www.miron-construction.com

Moffatt & Nichol

4225 East Conant Street

Long Beach, Calif. 90808
U.S.A.
Eric Nichol, President and CEO
562-590-6500
www.moffattnichol.com

Morrison Hershfield

1455 Lincoln Pkwy, Suite 500
Atlanta, Ga. 30346
U.S.A.
Anthony Karakatsanis, President and CEO
770-379-8500
www.morrisonhershfield.com

Mortenson

700 Meadow Lane
Minneapolis, Minn. 55422
U.S.A.
Dan Johnson, Chief Executive Officer
763-287-2100
www.mortenson.com

Moss

2101 N Andrews Ave
Fort Lauderdale, Fla. 33311
U.S.A.
Scott Moss, CEO
9545245678
mosscm.com

NBBJ

223 Yale Ave N
Seattle, Wash. 98109
U.S.A.
Robert Mankin, Managing Partner
206-223-5555
www.nbbj.com

NORR

325 N. LaSalle Street, Suite 500
Chicago, Ill. 60654
U.S.A.
Brian Gerstmar, President & Chief Executive Officer
312 424 2400
www.norr.com

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NV5 Global Inc.

200 S. Park Road, Suite 350
Hollywood, Fla. 33021
U.S.A.
Dickerson Wright, Chairman & CEO
(954) 495-2112
www.nv5.com

Nabholz

612 Garland
Conway, Ark. 72032
U.S.A.
Jake Nabholz, CEO
501.505.5800
www.nabholz.com

O'Neil Industries Inc.

1245 West Washington Blvd.
Chicago, Ill. 60607
U.S.A.
Brian Ramsay, CEO
773-755-1611
www.weoneil.com

Okland Construction

1978 South West Temple
Salt Lake City, Utah 84115
U.S.A.
William Okland, CEO
(801) 486-0144
www.okland.com

Olsson Inc.

601 P Street; Suite 200
Lincoln, Neb. 68508
U.S.A.
Brad Strittmatter, Chief Executive Officer
402-474-6311
www.olsson.com

Otak Inc.

808 SW 3rd Ave, Suite 800
Portland, Ore. 97204
U.S.A.
James Hamann, Chief Executive Officer & President

(503) 287-6825
www.otak.com

PCL Construction Enterprises

2000 S. Colorado Blvd. Suite 2-500
Denver, Colo. 80222
U.S.A.
Dave Filipchuk, President and Chief Executive Officer
303-365-6500
www.PCL.com

PJ Dick - Trumbull - Lindy Group

225 North Shore Drive
Pittsburgh, Pa. 15212
U.S.A.
Jake Ploeger and Tim O'Brien, Co-CEOs
412-807-2000
www.pjdick.com

POWER Engineers Inc.

3940 Glenbrook Drive
Hailey, Idaho 83333
U.S.A.
Jim Haynes, Chief Executive Officer
(208) 788-3456
powereng.com

Page Southerland Page Inc.

1615 M Street, NW, Suite 700
Washington, D.C. 20036
U.S.A.
Thomas McCarthy, CEO
202-909-4900
pagethink.com

Parsons Corp.

5875 Trinity Pkwy #300
Centreville, Va. 20120
U.S.A.
Carey Smith, President And Chief Executive Officer
1 980.253.9781
www.parsons.com

Pepper Construction

643 N. Orleans Street

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2023 Global Sourcebook Directory

Chicago, Ill. 60654

U.S.A.

J. Stanley Pepper, Chairman and CEO

312-266-6700

www.pepperconstruction.com

Perkins Eastman

115 Fifth Avenue

New York, N.Y. 10003

U.S.A.

Andrew Adelhardt III, Shawn Basler, Nick Leahy, Co-CEOs

212 353 7200

perkinseastman.com

Pernix Group Inc.

151 East 22nd Street

Lombard, Ill. 60148

U.S.A.

Nidal Zayed, CEO & President

630-620-4787

www.pernixgroup.com

Populous

4800 Main Street, Suite 300

Kansas City, Mo. 64112

U.S.A.

Bruce Miller, Senior Principal, Managing Director - Americas

8162211500

www.populous.com

Power Construction Co. LLC

8750 West Bryn Mawr Avenue, Suite 500

Chicago, Ill. 60631-3546

U.S.A.

Jeff Geier, President and CEO

312-596-6960

www.powerconstruction.net

RATIO

101 S Pennsylvania St.

Indianapolis, Ind. 46204

U.S.A.

Bill Browne, Jr., CEO

317-633-4040

ratiodesign.com

RK&K

700 East Pratt Street, Suite 500

Baltimore, Md. 21202

U.S.A.

Miriam Kronisch, Partner

410-728-2900

www.rkk.com

RS&H Inc.

10748 Deerwood Park Blvd So

Jacksonville, Fla. 32256

U.S.A.

David T. Sweeney, President/CEO

904-256-2500

www.rsandh.com

Rebel Design+Group

2554 Lincoln Blvd, Suite 725

Marina Del Rey, Calif. 90292

U.S.A.

Douglas DeBoer, Founder/CEO

800.92.REBEL

www.rebeldesign.com

Robert A.M. Stern Architects

1 Park Ave

New York, N.Y. 10016

U.S.A.

212-967-5100

www.ramsa.com

Robins & Morton

400 Shades Creek Parkway

Birmingham, Ala. 35209

U.S.A.

Bill Morton, Chairman/CEO

2058701000

www.robinsmorton.com

Roncelli Inc.

6471 Metro Parkway

Sterling Heights, Mich. 48312

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U.S.A.

Gary Roncelli, Chairman-CEO
586-264-2060
www.roncelli-inc.com

Ryan Cos. US Inc.

533 S 3rd St #100
Minneapolis, Minn. 55415

U.S.A.

Brian Murray, Chief Executive Officer
612-492-4000
www.ryancompanies.com

S&B Engineers and Constructors

15150 Memorial Drive
Houston, Texas 77079

U.S.A.

J. W. "Brook" Brookshire, Chief Executive Officer
713.845.4141
www.sbec.com

SB Architects

415 Jackson St, Suite 100
San Francisco, Calif. 94111

U.S.A.

Scott Lee, President & Principal
415-673-8990
sb-architects.com

SCS Engineers

3900 Kilroy Airport Way
Long Beach, Calif. 90806

U.S.A.

James J. Walsh, President/ CEO
562-426-9544
www.scsengineers.com

SSOE Group

100 Madison Avenue
Toledo, Ohio 43604

U.S.A.

Vincent P DiPofi, CEO
419-255-3830
www.ssoe.com

STO Building Group

330 West 34th Street
New York, N.Y. 10001

U.S.A.

Robert W. Mullen, Chief Executive Officer
212-481-6100
www.stobuildinggroup.com

STUDIOS architecture

1625 M Street NW
Washington, D.C. 20036

U.S.A.

Marc Pfenninger, Principal, Chief Executive Officer
212 431 4512
studios.com

STV

225 Park Avenue South
New York, N.Y. 10003

U.S.A.

Greg Kelly, P.E, President and Chief Executive Officer
212.777.4400
www.stvinc.com

Salas O'Brien

8825 Research Drive
Irvine, Calif. 92618

U.S.A.

Darin Anderson, Chairman & CEO
949.753.1553
www.salasobrien.com

Samet Corp.

309 Gallimore Dairy Road
Greensboro, N.C. 27409

U.S.A.

Arthur Samet, CEO
3365442600
www.sametcorp.com

Sargent & Lundy

55 East Monroe Street
Chicago, Ill. 60630

U.S.A.

Victor Suchodolski, Chairman, President & CEO

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312-269-2000
www.sargentlundy.com

Shawmut Design and Construction

560 Harrison Avenue
Boston, Mass. 2118
U.S.A.

Les Hiscoe, Chief Executive Officer
617.622.7000
www.shawmut.com

Simpson Gumpertz & Heger

480 Totten Pond Road
Waltham, Mass. 2451
U.S.A.

James Parker, Chief Executive Officer
781-907-9000
www.sgh.com

Skidmore Owings & Merrill

7 World Trade Center, 250 Greenwich Street
New York, N.Y. 10007
U.S.A.

Laura Ettelman, Xuan Fu, Carrie Byles, Executive
Committee
212-298-9300
www.som.com

SmithGroup

500 Griswold Street, Suite 1700
Detroit, Mich. 48226
U.S.A.

Troy Thompson, CEO, Managing Partner
www.smithgroup.com

Southland Holdings

1100 Kubota Dr.
Grapevine, Texas 76051
U.S.A.

Frank Renda, President and CEO
(817) 293-4263
www.southlandholdings.com

Stanley Consultants

225 Iowa Ave

Muscatine, Iowa 52778
U.S.A.

Kate Harris, President & CEO
563-264-6239

Sterling Infrastructure Inc.

1800 Hughes Landing Blvd Ste 250
The Woodlands, Texas 77380
U.S.A.

Joseph A. Cutillo, Chief Executive Officer
281-214-0800
www.strlco.com

Suffolk Construction Co. Inc.

65 Allerton Street
Boston, Mass. 2119
U.S.A.

John Fish, Chairman & CEO
607-445-3500
www.suffolk.com

Summit Contracting Group Inc.

7595 Baymeadows Way, Suite 100
Jacksonville, Fla. 32256
U.S.A.

Marc Padgett, President
9042685515
www.Summit-Contracting.com

Sundt Construction Inc.

2620 S. 55th Street
Tempe, Ariz. 85282
U.S.A.

G Michael Hoover, President & CEO
480 293 3000
www.sundt.com

Swinerton

2001 Clayton Road, 7th Floor
Concord, Calif. 94520
U.S.A.

Eric Foster, Chief Executive Officer
925.602.6400
swinerton.com

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TRC Cos. Inc.

21 Griffin Rd N
Windsor, Conn. 6095
U.S.A.
Christopher P. Vincze, Chairman and CEO
1 (860) 295-4161
www.trccompanies.com

Teichert Construction

3500 American River Drive
Sacramento, Calif. 95864
U.S.A.
Jud Riggs, CEO
916-484-3011
www.teichert.com

Terracon Consultants Inc.

10841 S. Ridgeview Road
Olathe, Kan. 66061
U.S.A.
M. Gayle Packer, President and Chief Executive Officer
(800) 593-7777
www.terracon.com

Tetra Tech

3475 E. Foothill Boulevard
Pasadena, Calif. 91107
U.S.A.
Dan L. Batrack, Chief Executive Officer
626-351-4664
tetrattech.com

The Beck Group

1601 Elm Street, Suite 2800
Dallas, Texas 75201
U.S.A.
Fred Perpall, CEO
214.303.6200
www.beckgroup.com

The Boldt Co.

2121 E. Capitol Drive
Appleton, Wis. 54911
U.S.A.

Tom Boldt, Chief Executive Officer
920-739-6321
www.theboldtcompany.com

The Christman Co.

208 N Captitol Avenue
Lansing, Mich. 48933
U.S.A.
Steven F. Roznowski, President and Chief Executive Officer
517-482-1488
www.christmanco.com

The Cianbro Cos.

PO Box 1000
Pittsfield, Maine 4967
U.S.A.
Peter A Vigue, President & CEO
207-679-2311
www.cianbro.com

The Conlan Company

1850 PARKWAY PLACE, SUITE 1200
Marietta, Ga. 30067
U.S.A.
Gary Condron, CEO
770-423-8000
www.conlancompany.com

The Kokosing Group of Cos.

6235 Westerville Road
Westerville, Ohio 43081
U.S.A.
Wm. Brett Burgett, Co. Chief Executive Officer
614-212-5700
www.kokosing.biz

The McShane Cos.

9500 W Bryn Mawr Avenue, Suite 200
Rosemont, Ill. 60018
U.S.A.
Molly McShane, Chief Executive Officer
8472924300
www.mcshane.com

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The Rudolph Libbe Cos. Inc.

6494 Latcha Road
Walbridge, Ohio 43465
U.S.A.
William Rudolph, Chairman
419.241.5000
www.rlgbuilds.com

The Walsh Group

929 W. Adams
Chicago, Ill. 60607
U.S.A.
Matt Walsh, Co-Chairman
3125635400
www.walshgroup.com

The Whiting-Turner Contracting Co.

300 East Joppa Rd.
Baltimore, Md. 21286
U.S.A.
Timothy Regan, President & CEO
410-821-1100
www.whiting-turner.com

The Yates Cos. Inc.

104 Gully Avenue
Philadelphia, Miss. 39350
U.S.A.
William G. Yates, III, President
601-656-5411
www.wgyates.com

Thornton Tomasetti

120 Broadway
New York, N.Y. 10271
U.S.A.
Michael Squarzini & Peter DiMaggio, Co-CEO
1.917.661.7800
www.thorntontomasetti.com

Tower Engineering Professionals

326 Tryon Road
Raleigh, N.C. 27603
U.S.A.
Andrew Haldane, CEO

919-661-6351
www.tepgroup.net

TranSystems

2400 Pershing Rd Ste 400
Kansas City, Mo. 64108
U.S.A.
Richard Morsches, Chief Executive Officer
816-329-8600
www.transystems.com

Traylor Construction Group Inc.

835 N. CONGRESS AVE.
Evansville, Ind. 47711
U.S.A.
Christopher S. Traylor, Co-President
(812) 477-1542
www.traylor.com

Turner Industries Group LLC

8687 United Plaza Boulevard
Baton Rouge, La. 70809
U.S.A.
Stephen M. Toups, CEO
2259225050
www.turner-industries.com

Tutor Perini Corp.

15901 Olden St.
Sylmar, Calif. 91342
U.S.A.
Ron N. Tutor, Chairman, CEO & President
(818) 362-8391
www.tutorperini.com

United Engineers & Constructors Inc.

305 Fellowship Rd., Suite 300
Mt. Laurel, N.J. 8054
U.S.A.
Scott Reeder, Chief Executive Officer
856-333-3091
www.ueci.com

Universal Engineering Sciences

4205 Vineland Road, Suite L1

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Orlando, Fla. 32811
U.S.A.
Dave Witsken, CEO
407-423-0504
teamues.com

VHB

101 Walnut Street
Watertown, Mass. 2471
U.S.A.
Mike Carragher, President & CEO
617.924.1770
www.vhb.com

WATG

300 Spectrum Center Drive
Irvine, Calif. 92618
U.S.A.
Dave Moore, President & CEO
www.watg.com

Walbridge

777 Woodward Ave Ste 300
Detroit, Mich. 48226
U.S.A.
Michael Haller, CEO
313-963-8000
www.walbridge.com

Waldemar S. Nelson and Co. Inc.

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

Ware Malcomb

10 Edelman
Irvine, Calif. 92618
U.S.A.
Ken Wink, CEO
949.660.9128
www.waremalcomb.com

Weeks Marine Inc.

4 Commerce Drive
Cranford, N.J. 7016
U.S.A.
Eric Ellefsen, CEO, President
9082724010
www.weeksmarine.com

Westwood Professional Services

12701 Whitewater Drive, Suite 300
Minnetonka, Minn. 55343
U.S.A.
Paul Greenhagen, Chief Executive Officer
888-937-5150
www.westwoodps.com

Willdan

2401 E. Katella Avenue, Suite 300
Anaheim, Calif. 92806
U.S.A.
Thomas D. Brisbin, CEO, Chairman of the Board
714-940-6300
www.willdan.com

Wiss Janney Elstner Associates

330 Pfingsten Road
Northbrook, Ill. 60062
U.S.A.
William J. Nugent, President and CEO
847-272-7400
www.wje.com

Woodard & Curran

41 Hutchins Drive
Portland, Maine 4102
U.S.A.
Alyson Watson, PE, Chief Executive Officer
207.774.2112
www.woodardcurran.com

Woolpert Inc.

4454 Idea Center Blvd.
Dayton, Ohio 45430
U.S.A.
Scott Cattran, President & CEO

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937.461.5660
www.woolpert.com

Zachry Group

527 Logwood Avenue
San Antonio, Texas 78221
U.S.A.

John B. Zachry, CEO and Chairman
(210) 588-5000
www.zachrygroup.com

Pond and Co.

3500 Parkway Lane, Suite 500
Peachtree Corners, Ga. 30092
U.S.A.

Bob Williams, CEO
678-336-7740
pondco.com

MWH

8001 Arista Place, Ste 500
Broomfield, Colo. 80021
U.S.A.
Blair Lavoie, President/CEO
720-547-5400
www.mwhconstructors.com

MBH Architects

960 Atlantic Ave
Alameda, Calif. 94501
U.S.A.
John McNulty, Founding Principal, Architect, CEO
510-865-8663
www.mbharch.com

Raba Kistner Inc.

12821 West Golden Lane
San Antonio, Texas 78249
U.S.A.
Chris L. Schultz, President and CEO
210-699-9090
www.rkci.com

RailWorks

5 Penn Plaza – 15th Floor

New York, N.Y. 10001
U.S.A.
212-502-7900
RailWorks.com

United Arab Emirates

ALSUWEIDI Engineering Consultants Bureau

Al Teejan Street, Al Zahiya
Abu Dhabi, Abu Dhabi 139
United Arab Emirates
Anas Diab, General Manager
971 2 644 4000
www.suweidi.com

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