

ENR THE GLOBAL SOURCEBOOK

Firms Find Road to Recovery In Infrastructure Spending

To say that the pandemic has “disrupted life and commerce globally would be stating the obvious,” says S.N. Subrahmanyam, managing director and CEO of the contracting firm Larsen & Toubro Ltd. Yet revenue and list rankings from this year’s Top 250 International Contractors and Top 225 International Design Firms add greater perspective to the international conversation on how to drive global economic recovery.

Last year’s pandemic-induced lockdowns, which disrupted some projects, slowed many global markets to the point of contraction. Global firms reported decreased revenue as a result.

This year’s Top 225 shows several design firms dropped in rank and a few others rose to the top for the first time in several years. WSP Global Inc. is ranked No. 1, a position that the Montreal-based engineer has not held since 2017. The company increased revenue from \$4.57 billion on last year’s list to \$4.71 billion this year, based on 2020 revenue.

Total international revenue for the Top 225 fell 7.1% among surveyed companies, decreasing from \$72.31 billion in 2019 to \$67.14 billion in 2020.

On the Top 250, total international contracting revenue dropped 11.1% to \$420.4 billion in 2020, from \$473.1 billion in 2019. This marks the largest single-year drop in ENR international contracting data since 2003.



GREEN SPACE

Surbana Jurong's B+H Architects is the designer for Shenzhen Children's Hospital and Science & Education Building in China.



Not much changed for firms in the top 25 slots. The top seven did not change order at all.

But even the highest ranking international firms could not escape major operational changes to cope with COVID-19 disruptions and keep projects and profits moving, say sources.

Shifting in-office employees to home offices during COVID-19 lockdowns was the biggest change. For many firms, the shift is permanent.

“It seems that our business oppor-

tunities have not changed due to the COVID-19 pandemic. What did change is our way of working,” says Wim van den Brink, CEO of designer Bilfinger Tebodin.

“We found ... it is a lot easier to work from a distance than we initially thought,” he adds. “Therefore, it will be easier for us to execute international projects that are not close to our domestic market without having to send a team there.”

Many firms anticipate market conditions will improve soon. Infrastructure jobs are poised to drive world economies back to pre-pandemic positions, they say.

As projects are reconfigured to fit a continental shift in client priorities on topics such as reducing emissions and carbon footprint, companies are ramping up operations to help clients meet their climate goals.

Infrastructure Investment

Locales with the greatest potential for project opportunities, say Top 250 contractors, include the U.S., Africa, Asia, Australia and Europe. The common thread is potential investment in infrastructure and a continued boom in urban development.

Moving these markets forward in the years ahead requires nations to recover the growth indicators present prior to the onset of the pandemic, says Manuel Olivares, managing director of FCC Construcción America.

Olivares emphasizes the “importance of the different investment plans by the governments of different areas to recover jobs, projects and private investments, and return to a positive economic growth rate.”

“We are hopeful [for] the development of infrastructure plans as a sector for the recovery of employment and the economy,” Olivares adds. ■

By Emell Adolphus and Jonathan Keller



FLEXIBLE The new campus' office space will be reconfigurable into meeting rooms.

Ecological and Urban

Project aims to become one of France's largest low-carbon buildings

Eiffage Construction broke ground on a new ecological urban campus in Clichy, France, northwest of Paris. The commercial project, dubbed BLACK, will provide about 530,000 sq ft of office space, accommodating up to 4,100 people. The 26-month project is expected to deliver in late 2023 with an estimated 300,000 work hours. It will require the use of five cranes. The six-story project plus basement level comprises two separate structures, including a 340,000-sq-ft "garden" building and a 190,000-sq-ft "courtyard" building. The facility will feature an auditorium, concierge service and three commercial properties. The project, which was designed by Emmanuel Combarel Dominique Marrec Architectes, was in redesign for nearly a year to accommodate increased demand for remote work. First-floor offices will be 100% reconfigurable into meeting rooms. Large collaborative spaces will be developed on the upper levels. The project will feature industrial pre-walls, metal substructure and a facade with stabilized timber cladding. Built on a former industrial site, the project aims to become one of France's largest low-carbon buildings. The project is targeting multiple certifications, including HQE New – Outstanding Level, BREEAM Excellent, BBCA, E+/C-Level E1/C1, Biosourced Building Label, BiodiverCity, Osmoz, R2S and Wirescore. As part of its goal to enhance the city's urban redevelopment, two gardens—spanning more than 100,000 sq ft combined—aim to create "urban cool islands," according to Eiffage.

By Bruce Buckley

FRANCE NEW CITY ADMINISTRATION BUILDING IN LILLE

A consortium led by Bouygues Bâtiment Nord-Est started construction on a new Cité Administrative building in Lille, France. The 415,000-sq-ft complex is comprised of five buildings, consolidating 18 government services and agencies that are currently spread across multiple buildings in Lille. The complex, designed by architectural firms Valode & Pistre and Coldefy, is scheduled for delivery in late 2023. The project will seek multiple certifications, including PassivHaus, Osmoz and Effinature. It is designed to achieve E3C1 and the first level of Bâtiment Biosourcé thanks to the use of more than 700 tons of timber. Contract value of the project is \$120 million, of which Bouygues Construction's share is \$112 million.



United Kingdom

Bristol Student Housing

VINCI Construction UK has started building the \$102-million Student Accommodation Project 3 for the University of the West of England in Bristol. The project is designed to be one the largest Passivhaus-certified developments in the U.K. The 280,000-sq-ft facility will house 900 beds across a mix of studios and four-, six- or eight-bed clusters. The project is scheduled to complete in time for the 2023/2024 academic year.

Australia

Parkline Place Development

CPB Contractors, a CIMIC Group company, started construction on Parkline Place, a 39-story commercial development above the future Sydney Metro's Pitt Street Station. The \$274-million project was awarded by consortium partners Oxford, MEA and Investa. Construction is scheduled to complete in 2024. The project is the latest for CBP Contractors at the new Pitt Street Station site, where it is also building the \$328-million station and has been contracted to construct a \$106-million build-to-rent building above the station's southern entrance.

Germany

500-ft Residential Tower

PORR recently completed foundations for the ABC Tower at Alexanderplatz in Berlin, which upon completion will be the second-tallest building in Berlin. The 500-ft-tall residential tower, designed by O&O Baukunst, features 39 floors and will total 450,000 sq ft. The \$270-million project is the largest single building contract in the firm's history. Construction is expected to take 41 months.

Sweden

Stockholm Housing

Skanska announced it will develop and construct Tora, a multifamily rental project in Stockholm, Sweden. The company will invest approximately \$50 million, including \$34 million for construction. The project will include four buildings with a total of 145 rental apartments and will feature multiple sustainable elements, including Skanska's green concrete, which the company claims has half the climate impact compared with regular concrete. Preparatory work is underway. Completion is expected by the end of 2024.

Top International Contractors

GENERAL BUILDING		
RANK	FIRM	REVENUE (\$ MIL. *)
1	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	13,172.1
2	HOCHTIEF AG	12,482.0
3	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	7,932.0
4	STRABAG SE	4,777.1
5	BOUYGUES	4,768.0
6	SKANSKA AB	4,753.5
7	KAJIMA CORP.	2,808.2
8	LENDELEASE	2,681.0
9	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	2,532.1
10	ROYAL BAM GROUP NV	2,520.0
11	PCL CONSTRUCTION	2,189.6
12	ORASCOM CONSTRUCTION PLC	2,119.5
13	FERROVIAL	2,111.1
14	CHINA RAILWAY CONSTRUCTION CORP. LTD.	1,733.0
15	RENAISSANCE CONSTRUCTION	1,541.1
16	ANT YAPI INDUSTRY & TRADE INC.	1,474.0
17	EIFFAGE	1,465.0
18	SHAPOORJI PALLONJI & CO. PRIVATE LTD.	1,302.2
19	VINCI	1,300.0
20	BESIX	1,225.1
21	CHINA RAILWAY GROUP LTD.	1,015.0
22	ATLAS GROUP	824.0
23	OBAYASHI CORP.	812.0
24	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	745.2
25	FLUOR	709.1
26	QINGJIAN GROUP CO. LTD.	629.4
27	POWER CONSTRUCTION CORP. OF CHINA	614.5
28	BL HARBERT INTERNATIONAL	606.4
29	JIANGSU NANTONG SANJIAN CONSTRUCTION GROUP CO. LTD.	507.2
30	SHANGHAI CONSTRUCTION GROUP CO. LTD.	492.3
31	CHINA METALLURGICAL GROUP CORP.	476.8
32	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	466.9
33	CITIC CONSTRUCTION CO. LTD.	462.2
34	WEBUILD SPA	435.1
35	STO BUILDING GROUP INC.	422.0
36	ASLAN YAPI VE TICARET AS	416.3
37	SAMSUNG C&T CORP.	406.6
38	CONSOLIDATED CONTRACTORS GROUP	404.8
39	GRUPO EMPRESARIAL SAN JOSE SA	395.8
40	JIANGSU PROVINCIAL CONSTRUCTION GROUP CO. LTD.	389.1
41	CADDELL CONSTRUCTION CO. (DE) LLC	389.0
42	SSANGYONG ENGINEERING & CONSTRUCTION CO. LTD.	381.1
43	SACYR	372.0
44	SEMBOL ULUSLARARASI YATIRIM TARIM PEYZAJ INSAAT	371.4
45	TURNER & TOWNSEND	368.9
46	BEIJING CONSTRUCTION ENGINEERING GROUP CO. LTD.	349.6
47	IMPRESA PIZZAROTTI & C. SPA	324.1
48	CIMIC GROUP LTD.	323.7
49	ED. ZUBLIN AG	318.7
50	DAEWOO ENGINEERING AND CONSTRUCTION CO. LTD.	318.1

Top International Design Firms

GENERAL BUILDING		
RANK	FIRM	REVENUE (\$ MIL. *)
1	WSP GLOBAL INC.	1,027.6
2	ARCADIS NV	1,020.0
3	DAR GROUP	994.8
4	AECOM	911.9
5	STANTEC INC.	614.0
6	SWECO	564.0
7	ARUP GROUP LTD.	548.5
8	SNC-LAVALIN INC.	535.4
9	RAMBOLL GROUP A/S	419.2
10	SURBANA JURONG PRIVATE LTD.	269.0
11	GENSLER	212.1
12	JACOBS	198.3
13	MEINHARDT GROUP INTERNATIONAL	182.5
14	FUGRO NV	173.3
15	AURECON	171.0
16	HDR	169.1
17	KHATIB & ALAMI	165.6
18	IBI GROUP INC.	165.6
19	GHD	163.8
20	EGIS	158.3
21	COWI A/S	149.6
22	NIPPON KOEI GROUP	147.4
23	MOTT MACDONALD	146.5
24	KOHN PEDERSEN FOX ASSOCIATES PC	144.6
25	ARTELIA	129.2
26	EXP	122.2
27	SKIDMORE OWINGS & MERRILL	116.0
28	AFRY	101.0
29	TETRA TECH INC.	82.0
30	HOK	80.2
31	WOOD	72.9
32	GOLDER	66.4
33	PERKINS EASTMAN	66.1
34	CTI ENGINEERING GROUP	61.3
35	SSH	60.5
36	PAGE	59.8
37	NORR	58.5
38	NKY ARCHITECTS AND ENGINEERS	57.9
39	TPF SA	52.9
40	ATLAS GROUP	52.0
41	ECG ENGINEERING CONSULTANTS GROUP SA	51.4
42	KEO INTERNATIONAL CONSULTANTS	51.1
43	WATG	48.7
44	TECNICA Y PROYECTOS SA (TYPISA)	48.0
45	ROYAL HASKONINGDHV	47.6
46	DEWAN ARCHITECTS + ENGINEERS	47.5
47	BLACK & VEATCH	45.7
48	THORNTON TOMASETTI	44.2
49	ARCHITECTURE & PLANNING GROUP	43.2
50	PARSONS	42.8

*BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.

Top International Contractors

COMMERCIAL OFFICES AND BANKS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	4,273.6
2	HOCHTIEF AG	3,899.0
3	SKANSKA AB	910.6
4	OBAYASHI CORP.	738.0
5	PCL CONSTRUCTION	482.1
6	LENDEASE	427.5
7	STO BUILDING GROUP INC.	335.0
8	KAJIMA CORP.	302.6
9	ANT YAPI INDUSTRY & TRADE INC.	265.0
10	CHINA RAILWAY CONSTRUCTION CORP. LTD.	163.0
11	PENTA-OCEAN CONSTRUCTION CO. LTD.	143.5
12	SHANGHAI CONSTRUCTION GROUP CO. LTD.	121.0
13	YUNNAN CONST. AND INVEST. HOLDING GRP. CO. LTD.	117.2
14	SHIMIZU CORP.	103.4
15	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	99.2
16	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	98.5
17	CIMOLAI SA	85.0
18	CHINA DALIAN INT'L ECON. & TECH. COOP. GROUP CO. LTD.	84.7
19	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	83.9
20	CHINA WU YI CO. LTD.	74.7
21	RIZZANI DE ECCHER SPA	66.0
22	WALBRIDGE	65.3
23	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	60.1
24	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	58.7
25	JIANGSU NANTONG SANJIAN CONSTRUCTION GROUP CO. LTD.	56.2

GOVERNMENT OFFICES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	767.0
2	HOCHTIEF AG	726.0
3	FLUOR	708.4
4	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	696.0
5	BL HARBERT INTERNATIONAL	606.4
6	PCL CONSTRUCTION	445.2
7	CHINA RAILWAY CONSTRUCTION CORP. LTD.	327.0
8	CHINA RAILWAY GROUP LTD.	303.3
9	ENKA INSAAT VE SANAYI AS	264.4
10	LENDEASE	228.1
11	PARSONS	182.3
12	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	178.1
13	SKANSKA AB	121.4
14	DPR CONSTRUCTION	85.5
15	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	63.9
16	YANJIAN GROUP CO. LTD.	62.4
17	GAP INSAAT YATIRIM VE DIS TICARET AS	62.0
18	XPCC CONSTRUCTION & ENGINEERING (GROUP) CO. LTD.	56.9
19	GILBANE BUILDING CO.	51.9
20	KAJIMA CORP.	42.1
21	METAG GROUP	39.4
22	YUKSEL INSAAT CO. INC.	33.3
23	SHANGHAI CONSTRUCTION GROUP CO. LTD.	32.5
24	ELECTRA LTD.	29.0
25	BEIJING URBAN CONSTRUCTION GROUP CO. LTD.	27.0

Top International Design Firms

COMMERCIAL OFFICES AND BANKS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	253.2
2	DAR GROUP	209.0
3	ARUP GROUP LTD.	176.4
4	AECOM	136.3
5	GENSLER	123.2
6	STANTEC INC.	56.1
7	NIPPON KOEI GROUP	43.2
8	RAMBOLL GROUP A/S	39.7
9	SURBANA JURONG PRIVATE LTD.	34.0
10	ARTELIA	32.4
11	HDR	31.2
12	AFRY	21.7
13	TETRA TECH INC.	20.0
14	NBBJ	19.1
15	MEINHARDT GROUP INTERNATIONAL	18.2
16	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	18.0
17	ECG ENGINEERING CONSULTANTS GROUP SA	17.8
18	CTI ENGINEERING GROUP	17.5
19	THORNTON TOMASETTI	16.5
20	COWI A/S	15.7
21	WOOD	14.8
22	EXP	14.7
23	HEERIM ARCHITECTS & PLANNERS CO. LTD.	14.1
24	TECNICA Y PROYECTOS SA (TYPESA)	13.0
25	IDOM	10.8

GOVERNMENT OFFICES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	SNC-LAVALIN INC.	295.9
2	AECOM	182.1
3	WSP GLOBAL INC.	119.1
4	JACOBS	72.4
5	DAR GROUP	53.8
6	BLACK & VEATCH	45.7
7	AURECON	41.4
8	RAMBOLL GROUP A/S	39.0
9	KHATIB & ALAMI	36.9
10	TETRA TECH INC.	32.0
11	STANTEC INC.	31.5
12	EGIS	28.5
13	HDR	26.4
14	ASSYSTEM	21.0
15	WOOD	20.5
16	DAY & ZIMMERMANN	19.0
17	THORNTON TOMASETTI	16.4
18	ARUP GROUP LTD.	12.4
19	STANLEY CONSULTANTS	11.7
20	MOTT MACDONALD	11.4
21	NORR	11.2
22	MICHAEL BAKER INTERNATIONAL	9.9
23	AFRY	9.0
24	EXP	8.6
25	ORIENTAL CONSULTANTS GLOBAL	8.0

^/1*BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.^/1

Top International Contractors

EDUCATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	1,691.0
2	HOCHTIEF AG	1,597.0
3	SKANSKA AB	1,306.8
4	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	188.4
5	LENDLEASE	183.7
6	SACYR	99.1
7	POWER CONSTRUCTION CORP. OF CHINA	97.0
8	KAJIMA CORP.	71.8
9	THE BECK GROUP	55.4
10	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	51.4
11	CHINA NATIONAL MACHINERY INDUSTRY CORP.	42.5
12	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	41.4
13	BEIJING URBAN CONSTRUCTION GROUP CO. LTD.	37.1
14	ANHUI CONSTRUCTION ENGINEERING GROUP CO. LTD.	32.9
15	CHINA RAILWAY CONSTRUCTION CORP. LTD.	32.0
16	BEIJING CONSTRUCTION ENGINEERING GROUP CO. LTD.	31.8
17	PCL CONSTRUCTION	30.7
18	JIANGSU PROVINCIAL CONSTRUCTION GROUP CO. LTD.	29.6
19	JIANGSU NANTONG SANJIAN CONSTRUCTION GROUP CO. LTD.	23.8
20	COMBINED GROUP CONTRACTING CO. (K.S.C)	23.0
21	SHANGHAI CONSTRUCTION GROUP CO. LTD.	21.1
22	SHENYANG YUANDA ALUMINUM INDUS. ENG'G CO. LTD.	19.8
23	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	19.2
24	GILBANE BUILDING CO.	17.6
25	QINGJIAN GROUP CO. LTD.	17.2

Top International Design Firms

EDUCATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	DAR GROUP	134.3
2	WSP GLOBAL INC.	94.9
3	STANTEC INC.	88.8
4	SNC-LAVALIN INC.	59.2
5	AECOM	58.8
6	ARUP GROUP LTD.	50.6
7	RAMBOLL GROUP A/S	46.8
8	COWI A/S	29.2
9	MOTT MACDONALD	27.9
10	EXP	20.7
11	NIPPON KOEI GROUP	19.4
12	SURBANA JURONG PRIVATE LTD.	17.0
13	MEINHARDT GROUP INTERNATIONAL	14.6
14	KHATIB & ALAMI	14.2
15	PERKINS EASTMAN	13.4
16	HDR	12.6
17	ARTELIA	12.4
18	ZUHAIR FAYEZ PARTNERSHIP CONSULTANTS	12.3
19	SSH	10.9
20	TPF SA	10.6
21	JACOBS	9.7
22	ARABTECH JARDANEH	9.6
23	KEO INTERNATIONAL CONSULTANTS	7.0
24	NORR	6.8
25	TECNICA Y PROYECTOS SA (TYPESA)	6.7

MULTI-UNIT RESIDENTIAL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	5,105.1
2	LENDLEASE	888.6
3	KAJIMA CORP.	765.6
4	SKANSKA AB	728.5
5	CHINA RAILWAY GROUP LTD.	711.7
6	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	623.4
7	QINGJIAN GROUP CO. LTD.	550.1
8	HOCHTIEF AG	549.0
9	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	510.5
10	ANT YAPI INDUSTRY & TRADE INC.	333.0
11	CITIC CONSTRUCTION CO. LTD.	331.7
12	CHINA RAILWAY CONSTRUCTION CORP. LTD.	290.0
13	JIANGSU NANTONG SANJIAN CONSTRUCTION GROUP CO. LTD.	287.8
14	GS ENGINEERING & CONSTRUCTION	262.8
15	HANWHA ENGINEERING & CONSTRUCTION	227.7
16	BEIJING CONSTRUCTION ENGINEERING GROUP CO. LTD.	218.9
17	CHINA METALLURGICAL GROUP CORP.	209.4
18	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	199.8
19	WEBUILD SPA	196.0
20	POWER CONSTRUCTION CORP. OF CHINA	193.0
21	PCL CONSTRUCTION	191.9
22	LONGXIN CONSTRUCTION GROUP CO. LTD.	178.7
23	ZHEJIANG DONGYANG THIRD CONSTR. ENG'G CO. LTD.	167.9
24	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	166.8
25	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	136.1

MULTI-UNIT RESIDENTIAL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	AECOM	112.2
2	WSP GLOBAL INC.	107.8
3	SNC-LAVALIN INC.	81.8
4	DAR GROUP	81.6
5	SURBANA JURONG PRIVATE LTD.	66.0
6	RAMBOLL GROUP A/S	65.3
7	STANTEC INC.	58.0
8	ARUP GROUP LTD.	46.9
9	PARSONS	36.3
10	KHATIB & ALAMI	34.0
11	ARTELIA	31.4
12	ARCHITECTURE & PLANNING GROUP	23.4
13	COWI A/S	21.0
14	MOTT MACDONALD	20.4
15	SHENYANG YUANDA ALUMINUM INDUS. ENG'G CO. LTD.	19.8
16	CTI ENGINEERING GROUP	19.6
17	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	14.7
18	MEINHARDT GROUP INTERNATIONAL	14.6
19	KEO INTERNATIONAL CONSULTANTS	14.3
20	NIPPON KOEI GROUP	13.6
21	AFRY	13.0
22	ZUHAIR FAYEZ PARTNERSHIP CONSULTANTS	12.4
23	NORR	11.3
24	SSH	10.8
25	DEWAN ARCHITECTS + ENGINEERS	10.5

^/1*BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.^/1

Top International Contractors

HOTELS, MOTELS AND CONVENTION CENTERS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	518.0
2	HOCHTIEF AG	498.0
3	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	427.4
4	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	398.0
5	KAJIMA CORP.	371.7
6	CHINA RAILWAY CONSTRUCTION CORP. LTD.	333.0
7	SHANGHAI CONSTRUCTION GROUP CO. LTD.	252.2
8	ANT YAPI INDUSTRY & TRADE INC.	205.0
9	SSANGYONG ENGINEERING & CONSTRUCTION CO. LTD.	181.1
10	JIANGSU PROVINCIAL CONSTRUCTION GROUP CO. LTD.	145.3
11	CHINA METALLURGICAL GROUP CORP.	143.5
12	LENDLEASE	141.2
13	CITIC CONSTRUCTION CO. LTD.	100.0
14	IMPRESA PIZZAROTTI & C. SPA	85.5
15	PCL CONSTRUCTION	74.9
16	YANJIAN GROUP CO. LTD.	69.3
17	CHINA NATIONAL AERO-TECHNOLOGY INT'L ENG'G CORP.	61.9
18	ANHUI SOGECOA FOREIGN ECON. CONSTRUCTION (GROUP)	52.0
19	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	47.0
20	CHINA NATIONAL COMPLETE PLANT IMP. & EXP. GROUP	36.3
21	BEIJING CONSTRUCTION ENGINEERING GROUP CO. LTD.	35.2
22	SHENYANG YUANDA ALUMINUM INDUS. ENG'G CO. LTD.	34.4
23	SKANSKA AB	34.1
24	SACYR	29.6
25	ENKA INSAAT VE SANAYI AS	29.4

RETAIL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	436.9
2	CONSOLIDATED CONTRACTORS GROUP	278.6
3	SKANSKA AB	227.6
4	PCL CONSTRUCTION	166.3
5	JIANGSU ZHONGNAN CONSTRUCTION INDUSTRY GROUP CO.LTD	155.7
6	SHANDONG ZIJIAN CONSTRUCTION GROUP CO. LTD.	147.6
7	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	137.0
8	HOCHTIEF AG	137.0
9	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	124.2
10	POWER CONSTRUCTION CORP. OF CHINA	108.8
11	CHINA RAILWAY CONSTRUCTION CORP. LTD.	68.0
12	ANHUI SOGECOA FOREIGN ECON. CONSTRUCTION (GROUP)	67.2
13	ANT YAPI INDUSTRY & TRADE INC.	46.0
14	SHANXI CONSTRUCTION INVESTMENT GROUP CO. LTD.	40.7
15	ZHEJIANG COMMUNICATIONS CONSTR. GROUP CO. LTD.	37.4
16	KAJIMA CORP.	35.1
17	LIMAK INSAAT SANAYI VE TICARET AS	34.0
18	TAISEI CORP.	25.0
19	JIANGSU NANTONG SANJIAN CONSTRUCTION GROUP CO. LTD.	24.0
20	HUNAN CONSTRUCTION ENGINEERING GROUP CO. LTD.	23.6
21	JIANGSU PROVINCIAL CONSTRUCTION GROUP CO. LTD.	21.3
22	WEBUILD SPA	19.8
23	JIANGXI WATER AND HYDROPOWER CONSTR. CO. LTD.	16.1
24	LENDLEASE	15.0
25	ENKA INSAAT VE SANAYI AS	14.6

Top International Design Firms

HOTELS, MOTELS AND CONVENTION CENTERS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	SNC-LAVALIN INC.	54.0
2	AECOM	51.4
3	DAR GROUP	50.5
4	ARUP GROUP LTD.	39.7
5	WATG	38.3
6	WSP GLOBAL INC.	35.3
7	EGIS	28.5
8	MEINHARDT GROUP INTERNATIONAL	23.7
9	KHATIB & ALAMI	19.0
10	ARTELIA	15.9
11	DEWAN ARCHITECTS + ENGINEERS	15.0
12	STANTEC INC.	14.8
13	HKS	13.9
14	RSP ARCHITECTS PLANNERS & ENGINEERS	12.8
15	RAMBOLL GROUP A/S	11.9
16	TECNICA Y PROYECTOS SA (TYPESA)	11.5
17	GENSLER	10.8
18	SSH	10.6
19	KEO INTERNATIONAL CONSULTANTS	5.2
20	EXP	5.2
21	NORR	5.0
22	PERKINS EASTMAN	4.4
23	AFRY	4.3
24	SURBANA JURONG PRIVATE LTD.	4.0
25	PARSONS	4.0

RETAIL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	93.6
2	STANTEC INC.	41.0
3	DAR GROUP	38.4
4	SURBANA JURONG PRIVATE LTD.	34.0
5	ARUP GROUP LTD.	31.7
6	AFRY	22.9
7	NIPPON KOEI GROUP	18.2
8	EXP	18.1
9	KHATIB & ALAMI	17.7
10	AECOM	17.7
11	RAMBOLL GROUP A/S	16.0
12	MEINHARDT GROUP INTERNATIONAL	13.7
13	DEWAN ARCHITECTS + ENGINEERS	13.5
14	GENSLER	13.3
15	COWI A/S	12.9
16	CTI ENGINEERING GROUP	12.7
17	MOTT MACDONALD	11.7
18	SNC-LAVALIN INC.	11.7
19	KEO INTERNATIONAL CONSULTANTS	11.4
20	TETRA TECH INC.	10.0
21	JACOBS	8.9
22	BECHTEL	7.0
23	RSP ARCHITECTS PLANNERS & ENGINEERS	5.1
24	ASSOCIATED CONSULTING ENGINEERS	5.0
25	ARCHITECTURE & PLANNING GROUP	3.6

^/1*BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.^/1

Top International Contractors

CORRECTIONAL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	HOCHTIEF AG	228.0
2	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	228.0
3	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	62.5
4	SKANSKA AB	43.8
5	ZHONGDING INTERNATIONAL ENGINEERING CO. LTD	43.2

HEALTH CARE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	2,699.0
2	HOCHTIEF AG	2,699.0
3	SKANSKA AB	1,070.5
4	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	950.5
5	PCL CONSTRUCTION	620.9
6	KAJIMA CORP.	372.4
7	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	333.6
8	LENDLEASE	190.9
9	SACYR	173.7
10	IMPRESA PIZZAROTTI & C. SPA	161.0
11	PENTA-OCEAN CONSTRUCTION CO. LTD.	122.8
12	CHINA RAILWAY CONSTRUCTION CORP. LTD.	104.0
13	CHINA NATIONAL MACHINERY INDUSTRY CORP.	103.9
14	ZHONGDING INTERNATIONAL ENGINEERING CO. LTD	93.8
15	GAP INSAAT YATIRIM VE DIS TICARET AS	77.3
16	SHIMIZU CORP.	72.1
17	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	70.7
18	WEBUILD SPA	59.1
19	ZHONGMEI ENGINEERING GROUP LTD.	57.8
20	SSANGYONG ENGINEERING & CONSTRUCTION CO. LTD.	55.1
21	POWER CONSTRUCTION CORP. OF CHINA	49.3
22	ANT YAPI INDUSTRY & TRADE INC.	33.0
23	APTIM	31.5
24	BEIJING URBAN CONSTRUCTION GROUP CO. LTD.	29.6
25	YANJIAN GROUP CO. LTD.	24.6

DISTRIBUTION & WAREHOUSES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	KAJIMA CORP.	482.5
2	HOCHTIEF AG	173.0
3	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	173.0
4	PCL CONSTRUCTION	78.8
5	POWER CONSTRUCTION CORP. OF CHINA	72.3
6	STO BUILDING GROUP INC.	70.0
7	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	49.6
8	GREENLAND INFRA. CONSTR. GROUP CO. LTD.	38.7
9	JIANGSU PROVINCIAL CONSTRUCTION GROUP CO. LTD.	35.3
10	ELECTRA LTD.	28.9

Top International Design Firms

CORRECTIONAL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	AECOM	12.5
2	WSP GLOBAL INC.	11.3
3	DAR GROUP	8.7
4	NORR	8.3
5	HDR	3.1

HEALTH CARE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	DAR GROUP	209.2
2	WSP GLOBAL INC.	194.1
3	AURECON	128.7
4	STANTEC INC.	102.4
5	RAMBOLL GROUP A/S	74.6
6	AECOM	73.8
7	HDR	68.8
8	JACOBS	51.5
9	ARUP GROUP LTD.	49.9
10	COWI A/S	48.1
11	MOTT MACDONALD	43.8
12	EGIS	26.9
13	EXP	26.3
14	PERKINS EASTMAN	25.1
15	MEINHARDT GROUP INTERNATIONAL	24.6
16	SNC-LAVALIN INC.	24.5
17	NIPPON KOEI GROUP	23.3
18	TETRA TECH INC.	20.0
19	AFRY	16.2
20	HKS	14.6
21	KHATIB & ALAMI	14.4
22	ARTELIA	12.0
23	SURBANA JURONG PRIVATE LTD.	12.0
24	ARABTECH JARDANEH	11.9
25	IDOM	11.5

DISTRIBUTION & WAREHOUSES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	STANTEC INC.	56.8
2	RAMBOLL GROUP A/S	56.5
3	ROYAL HASKONINGDHV	39.4
4	WSP GLOBAL INC.	26.1
5	DAR GROUP	16.3
6	ARTELIA	12.1
7	MEINHARDT GROUP INTERNATIONAL	10.9
8	WOOD	7.3
9	ARUP GROUP LTD.	6.2
10	COWI A/S	4.9

^/1*BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.^/1

Top International Contractors

SPORTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	HOCHTIEF AG	810.0
2	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	810.0
3	CHINA RAILWAY CONSTRUCTION CORP. LTD.	257.0
4	WEBUILD SPA	77.5
5	OBAYASHI CORP.	74.0
6	SKANSKA AB	58.8
7	SUMMA TURIZM YATIRIMCILIGI AS	54.1
8	ANT YAPI INDUSTRY & TRADE INC.	49.0
9	PCL CONSTRUCTION	33.1
10	KAJIMA CORP.	30.6
11	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	26.1
12	SACYR	25.1
13	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	18.2
14	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	17.9
15	CHINA METALLURGICAL GROUP CORP.	16.0

ENTERTAINMENT & THEME PARKS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	HOCHTIEF AG	432.0
2	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	432.0
3	KAJIMA CORP.	74.9
4	CHINA RAILWAY CONSTRUCTION CORP. LTD.	54.0
5	LARSEN & TOUBRO LTD.	48.4
6	PCL CONSTRUCTION	46.5
7	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	40.0
8	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	38.0
9	JIANGSU NANTONG SANJIAN CONSTRUCTION GROUP CO. LTD.	34.9
10	CHINA METALLURGICAL GROUP CORP.	18.4

RELIGIOUS & CULTURAL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	222.2
2	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	221.7
3	SKANSKA AB	141.9
4	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	48.2
5	BEIJING URBAN CONSTRUCTION GROUP CO. LTD.	26.5
6	KAJIMA CORP.	22.5
7	HOCHTIEF AG	14.0
8	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	14.0
9	RIZZANI DE ECCHER SPA	11.8
10	PCL CONSTRUCTION	10.6

Top International Design Firms

SPORTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ARUP GROUP LTD.	55.8
2	DAR GROUP	38.9
3	STANTEC INC.	16.0
4	WSP GLOBAL INC.	15.2
5	EGIS	11.1
6	RAMBOLL GROUP A/S	9.0
7	TECNICA Y PROYECTOS SA (TYPESA)	7.8
8	AECOM	7.7
9	MOTT MACDONALD	6.7
10	JACOBS	6.5
11	ME ENGINEERS	5.3
12	GENSLER	5.2
13	ARTELIA	4.9
14	HKS	3.3
15	TPF SA	3.1

ENTERTAINMENT & THEME PARKS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	JACOBS	29.9
2	DAR GROUP	23.9
3	AECOM	14.9
4	MOTT MACDONALD	14.2
5	SURBANA JURONG PRIVATE LTD.	13.0
6	ARUP GROUP LTD.	10.5
7	DEWAN ARCHITECTS + ENGINEERS	8.5
8	WOOD	6.9
9	WSP GLOBAL INC.	6.1
10	EXP	4.8

RELIGIOUS & CULTURAL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	DAR GROUP	86.0
2	ARUP GROUP LTD.	61.4
3	NIPPON KOEI GROUP	21.8
4	WSP GLOBAL INC.	15.1
5	RAMBOLL GROUP A/S	14.0
6	STANTEC INC.	14.0
7	SURBANA JURONG PRIVATE LTD.	12.0
8	COWI A/S	9.2
9	EGIS	7.9
10	ADRIAN SMITH + GORDON GILL ARCHITECTURE	6.7

^/1*BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.^/1

Top International Contractors

MIXED USE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ANT YAPI INDUSTRY & TRADE INC.	541.0
2	LENDLEASE	336.9
3	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	238.1
4	CHINA GEO-ENGINEERING CORP.	139.7
5	KAJIMA CORP.	103.4
6	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	98.8
7	CONSOLIDATED CONTRACTORS GROUP	81.4
8	CHINA ENERGY ENGINEERING CORP. LTD.	75.5
9	LARSEN & TOUBRO LTD.	67.8
10	RIZZANI DE ECCHER SPA	53.3
11	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	50.5
12	LIMAK INSAAT SANAYI VE TICARET AS	50.0
13	SSANGYONG ENGINEERING & CONSTRUCTION CO. LTD.	49.6
14	CHINA NATIONAL MACHINERY INDUSTRY CORP.	45.1
15	ANHUI SOGEOA FOREIGN ECON. CONSTRUCTION (GROUP)	41.8

Top International Design Firms

MIXED USE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	AECOM	233.9
2	STANTEC INC.	131.1
3	SURBANA JURONG PRIVATE LTD.	64.0
4	EGIS	55.4
5	MEINHARDT GROUP INTERNATIONAL	50.2
6	DAR GROUP	44.2
7	GENSLER	39.5
8	RAMBOLL GROUP A/S	35.4
9	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	23.4
10	STANLEY CONSULTANTS	12.5
11	GOETTSCH PARTNERS	11.8
12	ECG ENGINEERING CONSULTANTS GROUP SA	10.1
13	HDR	10.0
14	EXP	9.3
15	DISTANCE STUDIO CONSULTANTS	8.9

^/1*BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.^/1

Singapore**Ang Mo Kio****Metro Station Extension**

As part of the construction of Singapore's eighth mass transit line, a \$450-million design-build project will add an underground station, transit and pedestrian access tunnels and upgrades to the existing station facility, all in a constrained urban environment with challenging ground conditions. Vinci's Bachy Soletanche subsidiary is teaming with Gammon Construction and Engineering for the project, which is scheduled to open in 2030.

Australia**New Airport****Readies for Takeoff**

The joint venture of CPB Contractors and Acciona has been tapped for a \$194-million airside civil and pavement construction project at the new Western Sydney International Airport. The two-year project includes runways and taxiway and airside roads. This is the joint venture's third project at the \$3.9-billion airport, scheduled to begin operation in 2026.

Egypt**A 'Suez Canal on Rails'**

Egypt has signed a \$4.45-billion deal for a 410-mile high-speed electric rail line to link its Red Sea and Mediterranean coasts. To be developed, built and maintained by a consortium that includes Siemens Mobility, Orascom Construction and Arab Contractors, the project includes passenger and freight lines with a scheduled 2027 start-up date. The country is eyeing two other high-speed rail projects that would bring the total network to more than 1,100 miles.

Maldives**New Island Connections****Enhance Economic Resilience**

Marine surveying is underway for the \$530-million Greater Male Connectivity Project, a 4.1-mile-long bridge and causeway network that will link several islands with a proposed port and industrial zone. The 32-month project is the largest infrastructure effort in the country's history. Afcons Infrastructure will oversee construction of three navigation structures across deep water as well as landside roads and roundabout intersections.

ENGLAND**MOTORWAY JUNCTION ANCHORS \$670-MILLION HIGHWAY UPGRADE**

The Black Cat roundabout near Cambridgeshire, England, is the centerpiece of a \$678-million highway improvement program being carried out by Skanska for National Highways. Along with widening 10 miles of the



A428 motorway between St. Neots and Caxton Gibbert, the project will transform the existing at-grade roundabout into a three-tier junction to provide a free-flowing connection with the A1, the main road connecting London and Edinburgh, Scotland. Other upgrades include new bridges along the widened highway to reconnect disrupted rights-of-way and enhance access for pedestrians, cyclists and horseback riders. The project is scheduled for completion in 2023.

3.4 BILLION

Projected number of airline passengers worldwide in 2022, a nearly 50% increase over estimates for 2021 and similar to 2014 levels.

Source: International Air Transport Association

Going Underground

Urban park is part of Madrid's tunnel vision



EXPANSION The underground tunnel will be landscaped to extend the Madrid Río urban park.

Construction is underway to convert the last southern arc section of Madrid's M-30 beltway into a tunnel. Part of an ongoing highway refurbishment program called Calle 30, the 2,000-ft-long, 69- to 85-ft-wide cut-and-cover tunnel will replace the above-ground highway section, which will be routed below the footprint of a now-demolished soccer stadium. Landscaping atop the new underground structure will extend the Madrid Río urban park, further enhancing mobility between adjacent neighborhoods. Spanish contractor Ferrovial, which is carrying out the 20-month project in a joint venture with infrastructure developer Acciona, will maintain traffic flows in both directions along the M-30 using a temporary detour beneath the demolished stadium. ■

By Jim Parsons

Top International Contractors

TRANSPORTATION		
RANK	FIRM	REVENUE (\$ MIL.)*
1	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	17,940.0
2	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	10,884.9
3	VINCI	10,398.0
4	BOUYGUES	10,354.0
5	STRABAG SE	9,068.6
6	HOCHTIEF AG	6,799.0
7	FERROVIAL	6,083.3
8	CHINA RAILWAY GROUP LTD.	5,635.9
9	CHINA RAILWAY CONSTRUCTION CORP. LTD.	5,255.0
10	SKANSKA AB	4,736.3
11	SACYR	2,966.3
12	POWER CONSTRUCTION CORP. OF CHINA	2,929.4
13	WEBUILD SPA	2,423.0
14	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	2,061.1
15	ROYAL BAM GROUP NV	1,997.0
16	BECHTEL	1,733.0
17	EIFPAGE	1,370.0
18	LIMAK INSAAT SANAYI VE TICARET AS	1,249.0
19	OBAYASHI CORP.	1,141.0
20	YAPI MERKEZI INSAAT VE SANAYI AS	1,045.5
21	SAMSUNG C&T CORP.	1,028.3
22	VAN OORD N.V.	764.9
23	RENAISSANCE CONSTRUCTION	741.4
24	PENTA-OCEAN CONSTRUCTION CO. LTD.	708.3
25	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	701.2
26	ONUR TAAHHUT TASIMACILIK INSAAT TIC. VE SANAYI AS	693.8
27	ITINERA SPA	680.9
28	FCC SA	678.4
29	ROYAL BOSKALIS WESTMINSTER NV	674.0
30	CONSOLIDATED CONTRACTORS GROUP	643.5
31	ORASCOM CONSTRUCTION PLC	542.2
32	ZHONGMEI ENGINEERING GROUP LTD.	523.3
33	TAV CONSTRUCTION	468.9
34	AFCONS INFRASTRUCTURE LTD.	453.6
35	KIEWIT CORP.	451.9
36	GULERMAK	439.3
37	BESIX	421.0
38	THE ARAB CONTRACTORS CO. (OSMAN AHMED OSMAN)	375.7
39	YUNNAN CONST. AND INVEST. HOLDING GRP. CO. LTD.	372.2
40	KOLIN INSAAT TURIZM SANAYI VE TICARET AS	354.5
41	LARSEN & TOUBRO LTD.	346.6
42	CIMIC GROUP LTD.	338.6
43	GS ENGINEERING & CONSTRUCTION	322.1
44	DAEWOO ENGINEERING AND CONSTRUCTION CO. LTD.	320.1
45	CHINA WU YI CO. LTD.	316.1
46	SHANGHAI URBAN CONSTRUCTION (GROUP) CORP.	309.3
47	TEKFEN CONSTRUCTION AND INSTALLATION CO. INC.	305.0
48	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	300.9
49	BEIJING URBAN CONSTRUCTION GROUP CO. LTD.	296.3
50	IMPRESA PIZZAROTTI & C. SPA	296.1

Top International Design Firms

TRANSPORTATION		
RANK	FIRM	REVENUE (\$ MIL.)*
1	WSP GLOBAL INC.	2,643.8
2	AECOM	1,687.7
3	SNC-LAVALIN INC.	1,400.3
4	JACOBS	1,113.0
5	DAR GROUP	694.4
6	MOTT MACDONALD	620.7
7	EGIS	608.4
8	ARUP GROUP LTD.	605.1
9	STANTEC INC.	595.8
10	SYSTRA	571.0
11	SWECO	458.0
12	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	452.3
13	ARCADIS NV	387.0
14	COWI A/S	361.4
15	RAMBOLL GROUP A/S	344.0
16	SURBANA JURONG PRIVATE LTD.	288.0
17	PARSONS	227.6
18	AFRY	227.0
19	HATCH LTD.	198.0
20	EXP	187.1
21	AURECON	176.3
22	ORIENTAL CONSULTANTS GLOBAL	173.9
23	WOOD	156.6
24	GOLDER	138.9
25	ROYAL HASKONINGDHV	135.2
26	TECNICA Y PROYECTOS SA (TYPESA)	131.5
27	TPF SA	122.2
28	SENER GRUPO DE INGENIERIA SA	120.1
29	AYESA	119.5
30	TETRA TECH INC.	114.0
31	NIPPON KOEI GROUP	110.0
32	CHINA RAILWAY CONSTRUCTION CORP. LTD.	105.0
33	GHD	103.9
34	FLUOR	103.4
35	HDR	94.6
36	JSTI GROUP	93.3
37	CHINA RAILWAY GROUP LTD.	74.3
38	MEINHARDT GROUP INTERNATIONAL	73.9
39	CTI ENGINEERING GROUP	66.8
40	ITALCONSULT SPA	66.7
41	IDOM	63.6
42	KHATIB & ALAMI	61.1
43	SETEC	58.5
44	CHINA RAILWAY DESIGN CORP.	56.7
45	FUGRO NV	56.3
46	MORRISON HERSHFIELD	53.2
47	ARTELIA	48.4
48	INGEROP	45.0
49	CHODAI GROUP	44.6
50	BECHTEL	44.0

*BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE [ENR.COM](https://enr.com) FOR COMPLETE LISTINGS.

Top International Contractors

HIGHWAYS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	5,802.0
2	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	4,079.1
3	SACYR	2,225.2
4	HOCHTIEF AG	2,224.0
5	CHINA RAILWAY GROUP LTD.	1,796.7
6	SKANSKA AB	1,637.9
7	CHINA RAILWAY CONSTRUCTION CORP. LTD.	1,362.0
8	POWER CONSTRUCTION CORP. OF CHINA	1,265.0
9	WEBUILD SPA	1,133.0
10	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	782.4
11	ONUR TAAHHUT TASIMACILIK INSAAT TIC. VE SANAYI AS	693.8
12	ZHONGMEI ENGINEERING GROUP LTD.	508.3
13	CONSOLIDATED CONTRACTORS GROUP	380.2
14	THE ARAB CONTRACTORS CO. (OSMAN AHMED OSMAN)	363.4
15	KOLIN INSAAT TURIZM SANAYI VE TICARET AS	328.3
16	CHINA WU YI CO. LTD.	313.2
17	KIEWIT CORP.	248.7
18	CHINA HENAN INT'L COOPERATION GROUP CO. LTD.	243.4
19	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	224.9
20	POLAT YOL YAPI SAN. VE TIC. AS	218.1
21	ALARKO CONTRACTING GROUP	214.2
22	YUNNAN CONST. AND INVEST. HOLDING GRP. CO. LTD.	202.2
23	CITIC CONSTRUCTION CO. LTD.	201.5
24	CGCOC GROUP CO. LTD.	189.0
25	SHANDONG HI-SPEED GROUP CO. LTD.	165.8

MARINE AND PORT FACILITIES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	5,271.2
2	PENTA-OCEAN CONSTRUCTION CO. LTD.	649.1
3	POWER CONSTRUCTION CORP. OF CHINA	563.6
4	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	490.1
5	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	225.6
6	AFCONS INFRASTRUCTURE LTD.	177.9
7	CHINA RAILWAY CONSTRUCTION CORP. LTD.	145.0
8	PER AARSLEFF HOLDING A/S	134.7
9	SAIPEM SPA	131.0
10	ILK CONSTRUCTION	112.0
11	CHINA RAILWAY GROUP LTD.	102.3
12	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	83.0
13	HOCHTIEF AG	83.0
14	STFA CONSTRUCTION GROUP	42.8
15	SKANSKA AB	41.1
16	DL E&C CO. LTD.	40.6
17	CIMOLAI SA	27.0
18	ENKA INSAAT VE SANAYI AS	26.2
19	MANSON CONSTRUCTION CO.	22.1
20	WEEKS MARINE INC.	18.4
21	CHINA NATIONAL MACHINERY INDUSTRY CORP.	18.1
22	ECC	16.5
23	SINOMA INTERNATIONAL ENGINEERING CO. LTD.	16.4
24	SHANGHAI CONSTRUCTION GROUP CO. LTD.	16.4
25	CHINA INTERNATIONAL WATER & ELECTRIC CORP. (CWE)	13.5

Top International Design Firms

HIGHWAYS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	1,071.3
2	AECOM	829.7
3	SNC-LAVALIN INC.	626.8
4	JACOBS	503.9
5	EGIS	388.6
6	STANTEC INC.	287.1
7	RAMBOLL GROUP A/S	280.1
8	DAR GROUP	209.6
9	ARUP GROUP LTD.	180.1
10	SURBANA JURONG PRIVATE LTD.	174.0
11	AURECON	149.3
12	MOTT MACDONALD	146.6
13	PARSONS	142.0
14	WOOD	115.9
15	EXP	112.1
16	AFRY	94.6
17	TETRA TECH INC.	75.0
18	COWI A/S	69.7
19	CTI ENGINEERING GROUP	64.0
20	TPF SA	58.2
21	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	44.6
22	GOLDER	40.8
23	KHATIB & ALAMI	31.4
24	CDM SMITH	26.6
25	DORSCH HOLDING GMBH	22.1

MARINE AND PORT FACILITIES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	380.3
2	JACOBS	82.3
3	ROYAL HASKONINGDHV	72.8
4	WSP GLOBAL INC.	71.4
5	COWI A/S	47.3
6	AECOM	42.6
7	ARTELIA	26.3
8	MOFFATT & NICHOL	25.9
9	MOTT MACDONALD	24.7
10	ARUP GROUP LTD.	23.7
11	STANTEC INC.	23.5
12	SENER GRUPO DE INGENIERIA SA	20.5
13	KHATIB & ALAMI	17.2
14	TECNICA Y PROYECTOS SA (TYPESA)	15.8
15	WOOD	15.3
16	DAR GROUP	14.9
17	HATCH LTD.	14.0
18	LARSEN & TOUBRO LTD.	13.4
19	SNC-LAVALIN INC.	13.3
20	TETRA TECH INC.	12.0
21	ORIENTAL CONSULTANTS GLOBAL	11.8
22	NIPPON KOEI GROUP	10.4
23	BLACK & VEATCH	10.3
24	WORLEY LTD.	10.3
25	EGIS	9.2

^/1*BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.^/1

Top International Contractors

AIRPORTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	1,595.0
2	HOCHTIEF AG	1,595.0
3	LIMAK INSAAT SANAYI VE TICARET AS	812.0
4	SKANSKA AB	688.9
5	TAV CONSTRUCTION	468.9
6	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	465.2
7	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	404.2
8	BECHTEL	289.0
9	BEIJING URBAN CONSTRUCTION GROUP CO. LTD.	233.9
10	POWER CONSTRUCTION CORP. OF CHINA	225.8
11	OBAYASHI CORP.	196.0
12	YUNNAN CONST. AND INVEST. HOLDING GRP. CO. LTD.	170.0
13	PCL CONSTRUCTION	126.0
14	TEPE INSAAT SANAYI AS	115.7
15	IC ICTAS INSAAT SANAYI VE TICARET AS	97.2
16	CHINA RAILWAY CONSTRUCTION CORP. LTD.	90.0
17	BEIJING CONSTRUCTION ENGINEERING GROUP CO. LTD.	75.2
18	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	59.0
19	TAISEI CORP.	57.0
20	SACYR	53.4
21	CHINA RAILWAY GROUP LTD.	47.3
22	ANT YAPI INDUSTRY & TRADE INC.	29.0
23	CONSOLIDATED CONTRACTORS GROUP	26.0
24	KAJIMA CORP.	23.3
25	WEBUILD SPA	22.8

MASS TRANSIT AND RAIL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	4,381.0
2	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	4,025.3
3	CHINA RAILWAY GROUP LTD.	3,341.2
4	CHINA RAILWAY CONSTRUCTION CORP. LTD.	3,110.0
5	HOCHTIEF AG	2,396.0
6	SKANSKA AB	1,762.1
7	BECHTEL	1,411.0
8	WEBUILD SPA	1,202.2
9	YAPI MERKEZI INSAAT VE SANAYI AS	866.6
10	POWER CONSTRUCTION CORP. OF CHINA	624.3
11	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	445.8
12	GULERMAK	359.8
13	SACYR	297.5
14	SHANGHAI URBAN CONSTRUCTION (GROUP) CORP.	293.6
15	GHELLA SPA	241.0
16	LARSEN & TOUBRO LTD.	240.0
17	CONSOLIDATED CONTRACTORS GROUP	237.3
18	OBAYASHI CORP.	235.0
19	GS ENGINEERING & CONSTRUCTION	181.8
20	IMPRESA PIZZAROTTI & C. SPA	177.1
21	KIEWIT CORP.	152.6
22	SUMITOMO MITSUI CONSTRUCTION CO. LTD.	152.0
23	YUKSEL INSAAT CO. INC.	127.2
24	CHINA NATIONAL MACHINERY INDUSTRY CORP.	102.8
25	SHIMIZU CORP.	97.8

Top International Design Firms

AIRPORTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	AECOM	217.6
2	DAR GROUP	198.2
3	WSP GLOBAL INC.	165.2
4	ARUP GROUP LTD.	162.6
5	SNC-LAVALIN INC.	132.3
6	MOTT MACDONALD	95.2
7	STANTEC INC.	67.6
8	JACOBS	64.6
9	MEINHARDT GROUP INTERNATIONAL	49.2
10	EGIS	43.1
11	ROYAL HASKONINGDHV	32.4
12	TECNICA Y PROYECTOS SA (TYPESA)	23.7
13	AFRY	21.7
14	RAMBOLL GROUP A/S	20.4
15	BECHTEL	14.0
16	INGENIERIA Y ECONOMIA DEL TRANSPORTE SA (INECO)	11.9
17	COWI A/S	10.5
18	SURBANA JURONG PRIVATE LTD.	9.0
19	SETEC	6.4
20	AURECON	5.6
21	GOLDER	5.3
22	KHATIB & ALAMI	4.7
23	EXP	4.5
24	ORIENTAL CONSULTANTS GLOBAL	4.5
25	NIPPON KOEI GROUP	4.5

MASS TRANSIT AND RAIL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	1,002.3
2	SNC-LAVALIN INC.	627.9
3	SYSTRA	511.0
4	AECOM	510.6
5	JACOBS	451.8
6	MOTT MACDONALD	307.5
7	ARUP GROUP LTD.	238.7
8	HATCH LTD.	164.0
9	EGIS	158.6
10	DAR GROUP	145.9
11	COWI A/S	139.1
12	STANTEC INC.	136.3
13	ORIENTAL CONSULTANTS GLOBAL	124.1
14	SURBANA JURONG PRIVATE LTD.	90.0
15	SENER GRUPO DE INGENIERIA SA	84.0
16	GOLDER	81.3
17	CHINA RAILWAY CONSTRUCTION CORP. LTD.	81.0
18	TECNICA Y PROYECTOS SA (TYPESA)	76.3
19	HDR	76.2
20	PARSONS	71.9
21	NIPPON KOEI GROUP	70.7
22	CHINA RAILWAY GROUP LTD.	67.5
23	AFRY	66.2
24	IDOM	57.9
25	CHINA RAILWAY DESIGN CORP.	55.8

^/1 BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.^/1

Top International Contractors

BRIDGES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	836.7
2	CHINA RAILWAY CONSTRUCTION CORP. LTD.	469.0
3	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	468.0
4	SACYR	429.5
5	OBAYASHI CORP.	429.0
6	SKANSKA AB	394.6
7	HOCHTIEF AG	382.0
8	LIMAK INSAAT SANAYI VE TICARET AS	236.0
9	DL E&C CO. LTD.	229.2
10	CHINA RAILWAY GROUP LTD.	187.5
11	POWER CONSTRUCTION CORP. OF CHINA	182.3
12	YAPI MERKEZI INSAAT VE SANAYI AS	178.9
13	NATA INSAAT TURZ. TASIMACILIK TIC. VE SAN. AS	116.0
14	SUMITOMO MITSUI CONSTRUCTION CO. LTD.	104.2
15	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	81.1
16	GS ENGINEERING & CONSTRUCTION	74.7
17	CIMOLAI SA	72.0
18	WEBUILD SPA	65.0
19	SHANDONG HI-SPEED GROUP CO. LTD.	62.0
20	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	58.5
21	AFCONS INFRASTRUCTURE LTD.	46.5
22	KIEWIT CORP.	39.1
23	ELECTRA LTD.	38.4
24	PCL CONSTRUCTION	37.4
25	CHINA HENAN INT'L COOPERATION GROUP CO. LTD.	33.0

Top International Design Firms

BRIDGES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	249.5
2	DAR GROUP	125.8
3	COWI A/S	94.8
4	AECOM	87.1
5	FLUOR	86.1
6	STANTEC INC.	81.2
7	SYSTRA	60.0
8	MOTT MACDONALD	46.7
9	EXP	37.9
10	CHODAI GROUP	35.7
11	TETRA TECH INC.	27.0
12	AFRY	16.3
13	CHINA RAILWAY CONSTRUCTION CORP. LTD.	14.0
14	PARSONS	13.7
15	SURBANA JURONG PRIVATE LTD.	12.0
16	ORIENTAL CONSULTANTS GLOBAL	11.9
17	JACOBS	10.4
18	TECNICA Y PROYECTOS SA (TYPESA)	9.2
19	RAMBOLL GROUP A/S	9.0
20	EGIS	8.9
21	WOOD	8.8
22	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	7.6
23	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	6.0
24	TPF SA	4.6
25	KIEWIT CORP.	4.3

^/1*BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.^/1



BATTERY LIFE Volkswagen says it will produce electric sedans in 10 hours at its Germany plant.

Doubling Down on EVs

Automakers expand electric vehicle production in Europe

Automakers are preparing for increasing electric vehicle demand in Europe, which the International Energy Association says overtook China in 2020 as the fastest-growing market for EVs. Tesla recently completed a plant in Berlin. VW is planning to add EV production lines at its plant at its global headquarters in Wolfsburg, Germany, and is in the early stages of planning a new EV plant nearby, which could come online in 2026. Nissan will invest \$17.6 billion to establish EV refurbishing plants in Europe and the U.S. by 2026. It aims to expand its global battery production by 2031 in order to meet future EV demand. In July, Nissan announced a \$1.4-billion investment in its Sunderland, U.K., EV hub, which includes a 9-GWh battery plant. ■

By James Leggate

18%

The increase in global manufacturing output year over year in Q2 2021, according to the U.N. Industrial Development Organization

\$13.5 TRILLION

The value of world manufacturing net output in 2020, according to the World Bank

Japan

TSMC Semiconductor Plant

TSMC announced on Nov. 9 that it and Sony had formed a joint subsidiary, Japan Advanced Semiconductor Manufacturing, to build a \$7-billion semiconductor plant in Kumamoto, Japan. The facility will have the capacity to produce 45,000 12-in. wafers monthly and employ about 1,500 people, TSMC says. Construction is scheduled to begin in 2022, and TSMC aims to begin production at the plant in 2024.

Rwanda

Vaccine Manufacturing Facility

German pharmaceutical firm BioNTech SE is working with the Rwandan government and the Institut Pasteur de Dakar to build its first African manufacturing site for mRNA-based vaccines, such as its COVID-19 vaccine. BioNTech plans to make as many as 50 million doses per year at the facility to start, and says it will add manufacturing lines to produce hundreds of millions of vaccine doses per year. Construction is set to begin in mid-2022.

United Kingdom

Ardagh Beverage Can Plant

Luxembourg-based Ardagh Metal Packaging announced plans on Nov. 19 to build a \$200-million beverage can plant near Belfast in Northern Ireland. It will supply recyclable cans for clients including the nearby Coca-Cola HBC Knockmore Hill beverage plant as well as others throughout the U.K., Ireland and elsewhere in Europe. AMP says the plant still is in the planning stage and it is engaging local stakeholders on the project. The plant is expected to become operational in 2023.

Australia

Green Energy Manufacturing

Fortescue Future Industries, a subsidiary of the Australian iron ore producer Fortescue Metals Group, and American fuel cell maker Plug Power are planning to build an \$83-million plant in Queensland, Australia. The 2-GW facility will manufacture large-scale proton exchange membrane electrolyzers used for hydrogen fuel and can be expanded to produce fuel cells in the future. When it comes online in 2023, FFI says the 12,900-sq-m plant will be the largest electrolyzer factory in the world.

Top International Contractors

MANUFACTURING		
RANK	FIRM	REVENUE (\$ MIL.)*
1	EXYTE GMBH	3,543.6
2	SINOMA INTERNATIONAL ENGINEERING CO. LTD.	1,105.4
3	TAKENAKA CORP.	689.0
4	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	667.3
5	SAMSUNG C&T CORP.	639.3
6	SKANSKA AB	610.4
7	KAJIMA CORP.	577.6
8	EIFPAGE	500.0
9	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	447.0
10	HOCHTIEF AG	447.0
11	HYUNDAI ENGINEERING CO. LTD.	443.8
12	SAMSUNG ENGINEERING CO. LTD.	411.3
13	PER AARSLEFF HOLDING A/S	316.9
14	KINDEN CORP.	302.0
15	SK ECOPLANT	287.2
16	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	263.1
17	GS ENGINEERING & CONSTRUCTION	229.9
18	LARSEN & TOUBRO LTD.	203.8
19	SHIMIZU CORP.	197.9
20	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	197.6
21	BOUYGUES	182.0
22	WALBRIDGE	122.7
23	CHINA NATIONAL MACHINERY INDUSTRY CORP.	114.5
24	GAP INSAAT YATIRIM VE DIS TICARET AS	81.6
25	SENER GRUPO DE INGENIERIA SA	72.8
26	ORASCOM CONSTRUCTION PLC	56.2
27	DREES & SOMMER	48.4
28	LENLEASE	28.8
29	RIZZANI DE ECCHER SPA	28.3
30	CTCI CORP.	27.4
31	SUMITOMO MITSUI CONSTRUCTION CO. LTD.	22.7
32	CHINA ALUMINUM INTERNATIONAL ENG'G CORP. LTD.	22.1
33	COMMERCIAL CONTRACTING CORP.	21.4
34	NORINCO INTERNATIONAL COOPERATION LTD.	20.8
35	RENAISSANCE CONSTRUCTION	19.1
36	JIANGLIAN HEAVY INDUSTRY GROUP CO. LTD.	18.7
37	BAUER AG	18.1
38	POSCO ENGINEERING & CONSTRUCTION	16.7
39	PENTA-OCEAN CONSTRUCTION CO. LTD.	16.4
40	PCL CONSTRUCTION	15.7
41	CHINA NATIONAL COMPLETE PLANT IMP. & EXP. GROUP	14.7
42	ZHONGDING INTERNATIONAL ENGINEERING CO. LTD	10.0
43	SHANDONG HI-SPEED GROUP CO. LTD.	7.6
44	RAMBOLL GROUP A/S	7.6
45	HASKELL	6.4
46	MAEDA CORP.	4.9
47	FLUOR	4.7
48	CHINA METALLURGICAL GROUP CORP.	4.3
49	BARTON MALOW HOLDINGS LLC	4.3
50	RONCELLI INC.	4.0

Top International Design Firms

MANUFACTURING		
RANK	FIRM	REVENUE (\$ MIL.)*
1	LARSEN & TOUBRO LTD.	440.0
2	ARCADIS NV	199.0
3	WOOD	140.1
4	EXYTE GMBH	96.0
5	JACOBS	69.7
6	SAMOO ARCHITECTS & ENGINEERS	46.5
7	PM GROUP	31.8
8	ARUP GROUP LTD.	31.5
9	GOLDER	23.2
10	SWECO	19.0
11	SAMSUNG ENGINEERING CO. LTD.	18.0
12	STANTEC INC.	16.5
13	AFRY	16.0
14	AECOM	15.6
15	BECA GROUP LTD.	15.1
16	RAMBOLL GROUP A/S	13.9
17	WSP GLOBAL INC.	13.2
18	SSEO GROUP	11.4
19	MEINHARDT GROUP INTERNATIONAL	11.1
20	BILFINGER TEBODIN	8.0
21	SK ECOPLANT	7.6
22	SNC-LAVALIN INC.	7.1
23	KAJIMA CORP.	6.7
24	FLUOR	6.7
25	GHAFARI ASSOCIATES LLC	6.3
26	SETEC	5.8
27	CTCI CORP.	5.1
28	TETRA TECH INC.	5.0
29	CHINA NATIONAL MACHINERY INDUSTRY CORP.	4.6
30	SHAKER GROUP	4.4
31	CHINA ALUMINUM INTERNATIONAL ENG'G CORP. LTD.	4.0
32	DAR GROUP	3.4
33	POND	3.3
34	IDOM	3.1
35	LEIDOS	3.0
36	ARTELIA	2.6
37	EXP	2.5
38	ROYAL HASKONINGDHV	2.2
39	SENER GRUPO DE INGENIERIA SA	2.0
40	FARNSWORTH GROUP INC.	1.8
41	AMG AL AMAR CONSULTING GROUP SA	1.4
42	ZUTARI (PTY) LTD.	1.4
43	TPF SA	1.0
44	SMITHGROUP	0.5
45	BURNS & MCDONNELL	0.4
46	AFFILIATED ENGINEERS INC.	0.2
47	RABA KISTNER INC.	0.2
48	MAIRE TECNIMONT SPA	0.2
49	MUESER RUTLEDGE CONSULTING ENGINEERS PLLC	0.2
50	SINOTECH ENGINEERING CONSULTANTS LTD.	0.2

*BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.

Top International Contractors

INDUSTRIAL PROCESS		
RANK	FIRM	REVENUE (\$ MIL. *)
1	FLUOR	2,812.4
2	DANIELI & C. O.M. SPA	2,069.0
3	BECHTEL	1,461.0
4	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	1,442.1
5	CHINA METALLURGICAL GROUP CORP.	888.7
6	STRABAG SE	844.7
7	VINCI	712.0
8	HOCHTIEF AG	576.0
9	ALBERICI-FLINTCO	521.5
10	WOOD	482.3
11	RENAISSANCE CONSTRUCTION	444.7
12	SINOSTEEL EQUIPMENT & ENGINEERING CO. LTD.	314.0
13	SKANSKA AB	288.6
14	EFFAGE	275.0
15	HYUNDAI ENGINEERING CO. LTD.	244.3
16	KAJIMA CORP.	244.2
17	CHINA RAILWAY GROUP LTD.	228.1
18	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	201.8
19	CHINA NATIONAL MACHINERY INDUSTRY CORP.	199.3
20	ORASCOM CONSTRUCTION PLC	185.3
21	CHINA NONFERROUS METAL IND. FOR. ENG'G AND CONSTR.	181.2
22	EXYTE GMBH	135.5
23	HASKELL	134.9
24	LARSEN & TOUBRO LTD.	133.6
25	GILBANE BUILDING CO.	128.5
26	BOUYGUES	118.0
27	ESTA INSAAT SANAYI LOJISTIK VE DIS TICARET AS	117.6
28	SHIMIZU CORP.	104.4
29	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	99.8
30	SNC-LAVALIN INC.	92.1
31	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	82.9
32	ANT YAPI INDUSTRY & TRADE INC.	75.0
33	RAMBOLL GROUP A/S	74.9
34	CITIC CONSTRUCTION CO. LTD.	72.0
35	SINOMA INTERNATIONAL ENGINEERING CO. LTD.	68.0
36	CHINA TRIUMPH INTERNATIONAL ENGINEERING CO. LTD.	63.2
37	WORLEY LTD.	58.9
38	POSCO ENGINEERING & CONSTRUCTION	45.7
39	BAUER AG	42.8
40	GREENLAND INFRA. CONSTR. GROUP CO. LTD.	42.0
41	HEBEI CONSTRUCTION GROUP CO. LTD.	37.6
42	CHINA ALUMINUM INTERNATIONAL ENG'G CORP. LTD.	33.2
43	GRAY CONSTRUCTION	32.4
44	CHINA GENERAL TECHNOLOGY (GROUP) HOLDING CO. LTD.	32.0
45	NANTONG CONSTRUCTION GROUP CO. LTD.	31.9
46	KIEWIT CORP.	30.9
47	SACYR	27.7
48	CHINA ENERGY ENGINEERING CORP. LTD.	26.4
49	CHINA GANSU INT'L CORP. FOR ECON. AND TECH. COOP.	26.3
50	SMK GROUP	24.1

Top International Design Firms

INDUSTRIAL PROCESS		
RANK	FIRM	REVENUE (\$ MIL. *)
1	JACOBS	593.6
2	HATCH LTD.	351.0
3	FLUOR	318.8
4	WOOD	307.1
5	AFRY	286.0
6	WORLEY LTD.	257.3
7	SWECO	175.0
8	BECHTEL	133.0
9	ARCADIS NV	123.0
10	SNC-LAVALIN INC.	107.8
11	PM GROUP	98.7
12	LARSEN & TOUBRO LTD.	94.8
13	GOLDER	72.0
14	IDOM	47.3
15	AECOM	40.9
16	IPS-INTEGRATED PROJECT SERVICES LLC	37.8
17	RAMBOLL GROUP A/S	33.2
18	WSP GLOBAL INC.	33.2
19	STANTEC INC.	32.9
20	CHINA METALLURGICAL GROUP CORP.	28.3
21	GHD	25.1
22	BILFINGER TEBODIN	20.9
23	BECA GROUP LTD.	20.4
24	CRB	17.5
25	ARUP GROUP LTD.	15.0
26	INGEROP	15.0
27	AYESA	13.6
28	DAR GROUP	12.3
29	CHINA NONFERROUS METAL IND. FOR. ENG'G AND CONSTR.	10.4
30	MOTT MACDONALD	10.4
31	EXYTE GMBH	9.9
32	KAJIMA CORP.	9.1
33	CHINA NATIONAL MACHINERY INDUSTRY CORP.	8.0
34	ARTELIA	5.8
35	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	5.7
36	TETRA TECH INC.	5.0
37	CHINA ENERGY ENGINEERING CORP. LTD.	4.5
38	DENNIS GROUP	4.3
39	CHINA ALUMINUM INTERNATIONAL ENG'G CORP. LTD.	4.0
40	EXP	4.0
41	HASKELL	3.5
42	CHINA TRIUMPH INTERNATIONAL ENGINEERING CO. LTD.	3.3
43	KPFF CONSULTING ENGINEERS	3.3
44	SSOE GROUP	2.9
45	ROYAL HASKONINGDHV	2.8
46	SHAKER GROUP	2.5
47	BURNS & MCDONNELL	2.5
48	NIPPON KOEI GROUP	2.2
49	HOCHTIEF AG	2.0
49	HIXSON ARCHITECTURE ENGINEERING INTERIORS	2.0
49	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	2.0

*BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.*1

Top International Contractors

AUTO ASSEMBLY PLANTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	HYUNDAI ENGINEERING CO. LTD.	443.8
2	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	408.7
3	KAJIMA CORP.	132.1
4	SHIMIZU CORP.	125.9
5	WALBRIDGE	122.7
6	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	59.6
7	HOCHTIEF AG	41.0
8	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	41.0
9	CHINA NATIONAL MACHINERY INDUSTRY CORP.	31.7
10	COMMERCIAL CONTRACTING CORP.	21.4

STEEL AND NON-FERROUS METALS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	FLUOR	2,360.0
2	BECHTEL	1,456.0
3	CHINA METALLURGICAL GROUP CORP.	828.6
4	SINOSTEEL EQUIPMENT & ENGINEERING CO. LTD.	314.0
5	CHINA RAILWAY GROUP LTD.	228.1
6	CHINA NONFERROUS METAL IND. FOR. ENG'G AND CONSTR.	181.2
7	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	79.6
8	LARSEN & TOUBRO LTD.	55.5
9	POSCO ENGINEERING & CONSTRUCTION	44.2
10	HEBEI CONSTRUCTION GROUP CO. LTD.	36.0
11	CHINA NATIONAL MACHINERY INDUSTRY CORP.	31.2
12	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	30.2
13	HOCHTIEF AG	28.0
14	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	28.0
15	SMK GROUP	24.1
16	ANT YAPI INDUSTRY & TRADE INC.	23.0
17	MATRIX SERVICE CO.	16.9
18	KAJIMA CORP.	15.7
19	SKANSKA AB	11.9
20	KOLIN INSAAT TURIZM SANAYI VE TICARET AS	8.4

Top International Design Firms

AUTO ASSEMBLY PLANTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	LARSEN & TOUBRO LTD.	181.3
2	WOOD	31.5
3	AECOM	15.6
4	JACOBS	12.3
5	PM GROUP	11.4
6	GOLDER	9.8
7	WSP GLOBAL INC.	9.0
8	AFRY	8.7
9	SSEO GROUP	8.6
10	BILFINGER TEBODIN	7.5

STEEL AND NON-FERROUS METALS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	HATCH LTD.	351.0
2	FLUOR	290.8
3	BECHTEL	121.0
4	WORLEY LTD.	69.9
5	GOLDER	33.1
6	AECOM	30.7
7	CHINA METALLURGICAL GROUP CORP.	28.3
8	IDOM	27.8
9	AFRY	15.3
10	CHINA NONFERROUS METAL IND. FOR. ENG'G AND CONSTR.	10.4
11	WOOD	5.6
12	STANTEC INC.	4.7
13	RAMBOLL GROUP A/S	3.7
14	LARSEN & TOUBRO LTD.	3.6
15	WSP GLOBAL INC.	2.6
16	TETRA TECH INC.	2.0
17	ROYAL HASKONINGDHV	1.9
18	TPF SA	1.6
19	EXP	1.3
20	CHINA NATIONAL MACHINERY INDUSTRY CORP.	1.2

^/1*BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.^/1

Top International Contractors

TELECOMMUNICATIONS		
RANK	FIRM	REVENUE (\$ MIL. **)
1	VINCI	2,754.0
2	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	1,632.7
3	HOCHTIEF AG	1,514.0
4	FLUOR	908.6
5	BOUYGUES	379.0
6	DPR CONSTRUCTION	254.8
7	EXYTE GMBH	249.6
8	FORTIS CONSTRUCTION INC.	218.0
9	SKANSKA AB	85.2
10	KAJIMA CORP.	77.1
11	CHINA GENERAL TECHNOLOGY (GROUP) HOLDING CO. LTD.	65.2
12	CHINA RAILWAY CONSTRUCTION CORP. LTD.	65.0
13	STO BUILDING GROUP INC.	61.0
14	EIFPAGE	60.0
15	CHINA NATIONAL MACHINERY INDUSTRY CORP.	57.1
16	BAUER AG	24.4
17	STRABAG SE	22.0
18	CHINA ENERGY ENGINEERING CORP. LTD.	18.8
19	ELECTRA LTD.	17.8
20	SHAKER GROUP	17.6
21	LENLEASE	14.4
22	DREES & SOMMER	14.1
23	BRPH ARCHITECTS ENGINEERS INC.	14.1
24	POWER CONSTRUCTION CORP. OF CHINA	12.0
25	SHIMIZU CORP.	11.1

Top International Design Firms

TELECOMMUNICATIONS		
RANK	FIRM	REVENUE (\$ MIL. **)
1	ARUP GROUP LTD.	69.6
2	WSP GLOBAL INC.	59.7
3	FUGRO NV	41.4
4	HDR	36.4
5	BECHTEL	29.0
6	AECOM	24.4
7	JACOBS	23.2
8	ROYAL HASKONINGDHV	21.9
9	PM GROUP	16.2
10	ARCADIS NV	15.0
11	DAR GROUP	15.0
12	LARSEN & TOUBRO LTD.	14.6
13	BURNS & MCDONNELL	14.2
14	STANTEC INC.	13.9
15	MEINHARDT GROUP INTERNATIONAL	13.3
16	AURECON	8.5
17	RAMBOLL GROUP A/S	8.3
18	MORRISON HERSHFIELD	8.2
19	POWER CONSTRUCTION CORP. OF CHINA	7.6
20	GENSLER	7.0
21	SNC-LAVALIN INC.	6.6
22	AFRY	6.0
23	IDOM	4.9
24	STUDI INTERNATIONAL	4.4
25	TPF SA	3.4

MINING		
RANK	FIRM	REVENUE (\$ MIL. **)
1	HOCHTIEF AG	4,399.0
2	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	4,399.0
3	NORINCO INTERNATIONAL COOPERATION LTD.	358.6
4	YANJIAN GROUP CO. LTD.	116.8
5	ANHUI SOGECOA FOREIGN ECON. CONSTRUCTION (GROUP)	112.6
6	CHINA RAILWAY CONSTRUCTION CORP. LTD.	88.0
7	CHINA HENAN INT'L COOPERATION GROUP CO. LTD.	76.7
8	CHINA NATIONAL MACHINERY INDUSTRY CORP.	64.9
9	GOLDER	36.8
10	SKANSKA AB	23.3
11	CHINA ENERGY ENGINEERING CORP. LTD.	23.1
12	CHINA METALLURGICAL GROUP CORP.	22.8
13	PCL CONSTRUCTION	14.8
14	POWER CONSTRUCTION CORP. OF CHINA	12.8
15	KIEWIT CORP.	10.8

MINING		
RANK	FIRM	REVENUE (\$ MIL. **)
1	WORLEY LTD.	1,075.0
2	GOLDER	204.5
3	STANTEC INC.	122.4
4	WOOD	104.8
5	HATCH LTD.	102.0
6	SNC-LAVALIN INC.	69.0
7	AFRY	40.3
8	WSP GLOBAL INC.	38.8
9	WALDEMAR S. NELSON AND CO. INC.	14.7
10	TETRA TECH INC.	12.0
11	IDOM	10.5
12	TPF SA	8.3
13	BARR ENGINEERING CO.	7.8
14	SURBANA JURONG PRIVATE LTD.	7.0
15	MOTT MACDONALD	6.7

^1*BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.^1

Top International Contractors

CHEMICALS (NON-PETROLEUM)		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	871.1
2	HYUNDAI ENGINEERING CO. LTD.	242.5
3	WOOD	204.8
4	FLUOR	167.1
5	SKANSKA AB	107.7
6	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	86.9
7	CHINA TRIUMPH INTERNATIONAL ENGINEERING CO. LTD.	79.8
8	SNC-LAVALIN INC.	75.8
9	WORLEY LTD.	58.7
10	ZHEJIANG CONSTRUCTION INVESTMENT GROUP CO. LTD.	52.6
11	ANT YAPI INDUSTRY & TRADE INC.	45.0
12	EXYTE GMBH	21.4
13	CHINA METALLURGICAL GROUP CORP.	16.4
14	SHIMIZU CORP.	10.8
15	HOCHTIEF AG	10.0
16	CHINA NATIONAL MACHINERY INDUSTRY CORP.	9.9
17	HANWHA ENGINEERING & CONSTRUCTION	9.7
18	CHINA GANSU INT'L CORP. FOR ECON. AND TECH. COOP.	6.9
19	BECHTEL	5.0
20	ENKA INSAAT VE SANAYI AS	3.6

PHARMACEUTICALS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	HOCHTIEF AG	488.0
2	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	488.0
3	WOOD	192.0
4	SKANSKA AB	130.8
5	KAJIMA CORP.	108.8
6	EXYTE GMBH	86.7
7	IPS-INTEGRATED PROJECT SERVICES LLC	20.6
8	SNC-LAVALIN INC.	16.3
9	PCL CONSTRUCTION	11.8
10	NANTONG CONSTRUCTION GROUP CO. LTD.	7.0

FOOD & BEVERAGES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ALBERICI-FLINTCO	521.5
2	HASKELL	134.9
3	GILBANE BUILDING CO.	128.5
4	KAJIMA CORP.	116.4
5	CITIC CONSTRUCTION CO. LTD.	66.2
6	SINOMA INTERNATIONAL ENGINEERING CO. LTD.	64.7
7	CHINA NATIONAL MACHINERY INDUSTRY CORP.	57.0
8	GREENLAND INFRA. CONSTR. GROUP CO. LTD.	42.0
9	SHIMIZU CORP.	36.5
10	GRAY CONSTRUCTION	32.4

PULP & PAPER		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WOOD	73.4
2	CHINA GENERAL TECHNOLOGY (GROUP) HOLDING CO. LTD.	32.0
3	SHIMIZU CORP.	18.0
4	CHINA NATIONAL COMPLETE PLANT IMP. & EXP. GROUP	11.1
5	CHINA METALLURGICAL GROUP CORP.	3.0

Top International Design Firms

CHEMICALS (NON-PETROLEUM)		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WORLEY LTD.	187.4
2	WOOD	123.0
3	AFRY	34.7
4	LARSEN & TOUBRO LTD.	27.8
5	GOLDER	12.5
6	SNC-LAVALIN INC.	8.7
7	BILFINGER TEBODIN	7.8
8	IDOM	6.6
9	MOTT MACDONALD	5.9
10	RAMBOLL GROUP A/S	4.4
11	CHINA TRIUMPH INTERNATIONAL ENGINEERING CO. LTD.	4.2
12	DAR GROUP	3.5
13	STANTEC INC.	2.5
14	WSP GLOBAL INC.	2.2
15	BECHTEL	2.0
16	EXYTE GMBH	1.9
17	ARTELIA	1.7
18	FLUOR	1.4
19	TETRA TECH INC.	1.0
20	EXP	1.0

PHARMACEUTICALS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	JACOBS	593.6
2	SNC-LAVALIN INC.	88.4
3	WOOD	88.2
4	PM GROUP	83.4
5	IPS-INTEGRATED PROJECT SERVICES LLC	37.8
6	FLUOR	24.4
7	CRB	17.2
8	ARUP GROUP LTD.	13.5
9	ASSYSTEM	13.0
10	LARSEN & TOUBRO LTD.	12.8

FOOD & BEVERAGES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	LARSEN & TOUBRO LTD.	48.3
2	AFRY	25.9
3	PM GROUP	15.3
4	SNC-LAVALIN INC.	10.7
5	WOOD	10.6
6	WSP GLOBAL INC.	8.6
7	BILFINGER TEBODIN	8.5
8	STANTEC INC.	5.7
9	EXYTE GMBH	4.7
10	GOLDER	4.5

PULP & PAPER		
RANK	FIRM	REVENUE (\$ MIL.**)
1	AFRY	193.6
2	WOOD	21.1
3	STANTEC INC.	8.5
4	WSP GLOBAL INC.	3.6
5	MOTT MACDONALD	2.1

^/1*BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.^/1

Top International Contractors

SEMICONDUCTOR		
RANK	FIRM	REVENUE (\$ MIL.**)
1	EXYTE GMBH	3,543.6
2	PER AARSLEFF HOLDING A/S	315.4
3	HOCHTIEF AG	57.0
4	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	57.0
5	KAJIMA CORP.	51.9

ELECTRONIC ASSEMBLY		
RANK	FIRM	REVENUE (\$ MIL.**)
1	SKANSKA AB	505.1
2	SAMSUNG ENGINEERING CO. LTD.	410.7
3	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	243.9
4	GS ENGINEERING & CONSTRUCTION	229.9
5	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	124.1

AEROSPACE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	HOCHTIEF AG	349.0
2	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	349.0
3	KAJIMA CORP.	120.1
4	SENER GRUPO DE INGENIERIA SA	72.8
5	RIZZANI DE ECCHER SPA	28.3

TRANSMISSION LINES & CABLING		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	123.7
2	CHINA GENERAL TECHNOLOGY (GROUP) HOLDING CO. LTD.	65.2
3	CHINA NATIONAL MACHINERY INDUSTRY CORP.	55.9
4	CHINA RAILWAY CONSTRUCTION CORP. LTD.	29.0
5	SHANDONG ZIJIAN CONSTRUCTION GROUP CO. LTD.	6.1

TOWERS & ANTENNAE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA RAILWAY CONSTRUCTION CORP. LTD.	15.0
2	LENLEASE	14.4
3	BRPH ARCHITECTS ENGINEERS INC.	14.1
4	POWER CONSTRUCTION CORP. OF CHINA	7.5
5	SENER GRUPO DE INGENIERIA SA	5.8

DATA CENTERS & WEB HOTELS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	HOCHTIEF AG	1,509.0
2	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	1,509.0
3	FLUOR	908.6
4	DPR CONSTRUCTION	254.8
5	EXYTE GMBH	249.6
6	FORTIS CONSTRUCTION INC.	218.0
7	SKANSKA AB	84.7
8	KAJIMA CORP.	77.1
9	STO BUILDING GROUP INC.	61.0
10	ELECTRA LTD.	17.8

Top International Design Firms

SEMICONDUCTOR		
RANK	FIRM	REVENUE (\$ MIL.**)
1	EXYTE GMBH	96.0
2	JACOBS	51.0
3	LARSEN & TOUBRO LTD.	29.3
4	CTCI CORP.	4.7
5	MEINHARDT GROUP INTERNATIONAL	2.8

ELECTRONIC ASSEMBLY		
RANK	FIRM	REVENUE (\$ MIL.**)
1	LARSEN & TOUBRO LTD.	178.7
2	SAMSUNG ENGINEERING CO. LTD.	18.0
3	PM GROUP	16.5
4	JACOBS	6.4
5	WOOD	4.0

AEROSPACE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	LARSEN & TOUBRO LTD.	48.0
2	RAMBOLL GROUP A/S	11.6
3	SNC-LAVALIN INC.	7.1
4	STANTEC INC.	5.8
5	KAJIMA CORP.	5.7

TRANSMISSION LINES & CABLING		
RANK	FIRM	REVENUE (\$ MIL.**)
1	BECHTEL	30.0
2	STANTEC INC.	10.7
3	DAR GROUP	8.0
4	POWER CONSTRUCTION CORP. OF CHINA	7.6
5	WOOD	3.3

TOWERS & ANTENNAE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	LARSEN & TOUBRO LTD.	14.6
2	RAMBOLL GROUP A/S	8.3
3	CHINA ENERGY ENGINEERING CORP. LTD.	3.0
4	THORNTON TOMASETTI	1.3
5	ROYAL HASKONINGDHV	1.2

DATA CENTERS & WEB HOTELS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ARUP GROUP LTD.	69.6
2	WSP GLOBAL INC.	57.9
3	HDR	36.4
4	AECOM	24.4
5	JACOBS	23.2
6	ROYAL HASKONINGDHV	20.7
7	PM GROUP	16.2
8	BURNS & MCDONNELL	14.3
9	MEINHARDT GROUP INTERNATIONAL	13.3
10	AURECON	8.5

^/1*BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.^/1

United Kingdom Green Hydrogen Hub

In a bid to move heavy transportation away from fossil fuels, energy giant BP will build a large-scale green hydrogen plant in England that could deliver 500 MWe by 2030. The firm expects the multiphase project, HyGreen Teesside, to propel the Teesside industrial region into the first U.K. hydrogen transport hub. The facility, along with H2Teesside, a blue hydrogen plant BP proposed in March, could deliver 30% of Britain's 2030 hydrogen production target. Hy-Green Teesside could operate by 2025, initially producing 60 MWe.

Australia Green Light for Green Energy

Plans are moving ahead for the \$1.7-billion, 800-MW Golden Plains Wind Farm in southeast Australia after the state of Victoria approved a plan that would include fewer project turbines. Developer WestWind Energy submitted a design revision in early 2021 to address environmental concerns. Its revised plan calls for installing 215 turbines, down from 228 approved in 2018. One of Australia's largest wind farms, Golden Plains would produce 3,500 GWh of energy annually. Construction could begin in mid-2022.

Norway Barents Blue Ammonia

Norwegian clean energy firm Horisont Energi has taken steps toward building one of Europe's first large-scale blue ammonia factories, which will use natural gas from the Barents Sea. It signed preliminary contracts with U.K. engineer Wood PLC and with Norwegian logistics company ASCO Norge.



LIFT The inner dome of the Zhangzhou nuclear power plant's first unit is installed in China's Fujian province. Units 1 and 2 are set to operate in 2024 and 2025, respectively.

China Tops Out Reactor

Dome installation is the latest milestone in a nuclear power push

Marking a construction milestone for the Zhangzhou nuclear power plant in China's Fujian province, the inner dome of the facility's first reactor unit was recently lifted into place and installed. The dome, key to containing radioactive substances, topped the first of two reactor units under construction at the plant, which is owned by China National Nuclear Corp. Unit 1 will now transition to the installation phase. Both units are Hualong One reactor models, China's third-generation pressurized-water reactor technology. Each unit can generate approximately 10 billion KWh of electricity annually to meet the demands of 1 million people in moderately developed countries. Zhangzhou Unit 1 is among 18 reactors being built in China, which has more nuclear reactors under construction than any other country, according to the World Nuclear Association. Units 1 and 2 are set to begin operation in 2024 and 2025, respectively. ■

50

The number of nuclear power reactors under construction worldwide in 19 countries

Source: World Nuclear Association, November 2021

By Autumm Cafiero Giusti



DENMARK ENERGY ISLAND TAPS CONTRACTORS

In a major step toward developing a North Sea offshore wind based energy island, project developer Copenhagen Infrastructure Partners reached a partnership deal in November with four major international firms in marine and offshore construction. Operating as the NJORD Group, members are Spain-based contractor ACCIONA, Danish dredging firm Boskalis, offshore services provider DEME Group of Belgium and contractor MT Højgaard International, also of Denmark. About 50 miles off the Danish coast, the Vindø energy island would connect up to 10 GW of offshore wind to Denmark and nearby markets. Operation could begin by 2030.

Top International Contractors

POWER		
RANK	FIRM	REVENUE (\$ MIL. *)
1	POWER CONSTRUCTION CORP. OF CHINA	8,697.0
2	VINCI	4,976.0
3	CHINA ENERGY ENGINEERING CORP. LTD.	2,835.1
4	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	2,768.9
5	CHINA NATIONAL MACHINERY INDUSTRY CORP.	1,937.7
6	SHANGHAI ELECTRIC GROUP CO. LTD.	1,731.9
7	CHINA ZHONGYUAN ENGINEERING CORP.	1,635.4
8	LARSEN & TOUBRO LTD.	1,479.3
9	EIFFAGE	1,190.0
10	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	1,092.7
11	BOUYGUES	1,046.0
12	CHINA ELECTRIC POWER EQUIPMENT AND TECH. CO. LTD.	1,019.4
13	HARBIN ELECTRIC INTERNATIONAL CO. LTD.	942.6
14	CHINA GENERAL TECHNOLOGY (GROUP) HOLDING CO. LTD.	922.7
15	ABENGOA	863.2
16	SAMSUNG C&T CORP.	719.8
17	CHINA INTERNATIONAL WATER & ELECTRIC CORP. (CWE)	702.9
18	FERROVIAL	642.6
19	RENAISSANCE CONSTRUCTION	615.7
20	SAIPEM SPA	571.0
21	SKANSKA AB	559.7
22	SNC-LAVALIN INC.	555.7
23	CHINA RAILWAY CONSTRUCTION CORP. LTD.	555.0
24	ENKA INSAAT VE SANAYI AS	547.8
25	HYUNDAI ENGINEERING CO. LTD.	525.9
26	ROYAL BOSKALIS WESTMINSTER NV	512.0
27	TBEA CO. LTD.	489.3
28	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	465.7
29	THE ARAB CONTRACTORS CO. (OSMAN AHMED OSMAN)	440.9
30	DONGFANG ELECTRIC CORP.	427.9
31	NORINCO INTERNATIONAL COOPERATION LTD.	403.1
32	HOCHTIEF AG	382.0
33	WOOD	317.9
34	PCL CONSTRUCTION	306.1
35	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	269.5
36	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	266.6
37	TECNICAS REUNIDAS SA	250.6
38	CALIK ENERJI SANAYI VE TICARET AS	237.0
39	VAN OORD N.V.	226.8
40	XIAN ELECTRIC ENGINEERING CO. LTD.	211.7
41	FLUOR	190.9
42	BLUE&P INFRASTRUCTURE GROUP	173.9
43	PETROFAC LTD.	158.6
44	POSCO ENGINEERING & CONSTRUCTION	153.4
45	OBAYASHI CORP.	148.0
46	ORASCOM CONSTRUCTION PLC	124.8
47	BLACK & VEATCH	118.3
48	CTCI CORP.	116.7
49	SENER GRUPO DE INGENIERIA SA	116.3
50	BAUER AG	115.5

Top International Design Firms

POWER		
RANK	FIRM	REVENUE (\$ MIL. *)
1	POWER CONSTRUCTION CORP. OF CHINA	1,273.8
2	CHINA ENERGY ENGINEERING CORP. LTD.	624.1
3	WSP GLOBAL INC.	416.8
4	SNC-LAVALIN INC.	342.7
5	TRACTEBEL	325.9
6	AFRY	318.0
7	FUGRO NV	315.8
8	ARCADIS NV	271.0
9	JACOBS	266.7
10	WORLEY LTD.	201.4
11	STANTEC INC.	196.2
12	TETRA TECH INC.	159.0
13	DOHWA ENGINEERING CO. LTD.	144.1
14	ASSYSTEM	128.0
15	SWECO	126.0
16	MOTT MACDONALD	121.8
17	WOOD	117.5
18	FICHTNER GROUP	111.3
19	AECOM	108.7
20	BLACK & VEATCH	99.5
21	SURBANA JURONG PRIVATE LTD.	95.0
22	CHINA NATIONAL MACHINERY INDUSTRY CORP.	77.5
23	IDOM	70.7
24	RAMBOLL GROUP A/S	65.4
25	TECNICAS REUNIDAS SA	62.7
26	SARGENT & LUNDY	58.7
27	KEPCO ENGINEERING & CONSTRUCTION CO. INC.	58.4
28	CHINA INTERNATIONAL WATER & ELECTRIC CORP. (CWE)	56.2
29	AURECON	46.3
30	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	45.6
31	EMPRESARIOS AGRUPADOS INTERNACIONAL SA	45.4
32	DAR GROUP	39.7
33	ENERGOPROJEKT HOLDING PLC	38.0
34	ARUP GROUP LTD.	34.0
35	NIPPON KOEI GROUP	33.3
36	HATCH LTD.	33.0
37	ARTELIA	32.5
38	POWER ENGINEERS INC.	31.8
39	GOLDER	29.0
40	BURNS & MCDONNELL	28.4
41	COWI A/S	27.9
42	EGIS	27.3
43	TECNICA Y PROYECTOS SA (TYPESA)	25.3
44	SETEC	24.8
45	KHATIB & ALAMI	23.0
46	PETROFAC LTD.	18.0
47	GHD	17.5
48	RCM TECHNOLOGIES INC.	17.2
49	CHANGJIANG INST. OF SURVEY PLANNING DESIGN	15.8
50	ROYAL HASKONINGDHV	15.5

*BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE [ENR.COM](http://enr.com) FOR COMPLETE LISTINGS.

Top International Contractors

FOSSIL FUEL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	POWER CONSTRUCTION CORP. OF CHINA	3,702.6
2	CHINA ENERGY ENGINEERING CORP. LTD.	1,232.7
3	HARBIN ELECTRIC INTERNATIONAL CO. LTD.	888.0
4	CHINA GENERAL TECHNOLOGY (GROUP) HOLDING CO. LTD.	857.5
5	SHANGHAI ELECTRIC GROUP CO. LTD.	743.0
6	CHINA NATIONAL MACHINERY INDUSTRY CORP.	726.7
7	HYUNDAI ENGINEERING CO. LTD.	512.3
8	ENKA INSAAT VE SANAYI AS	480.2
9	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	465.7
10	SAIPEM SPA	397.0
11	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	323.5
12	WOOD	304.0
13	SICIM SPA	287.0
14	NORINCO INTERNATIONAL COOPERATION LTD.	262.7
15	TECNICAS REUNIDAS SA	250.6
16	DONGFANG ELECTRIC CORP.	171.2
17	SNC-LAVALIN INC.	161.9
18	POSCO ENGINEERING & CONSTRUCTION	152.3
19	OBAYASHI CORP.	148.0
20	CALIK ENERJI SANAYI VE TICARET AS	123.0
21	CTCI CORP.	116.4
22	BLACK & VEATCH	115.1
23	CITIC CONSTRUCTION CO. LTD.	100.0
24	CHINA METALLURGICAL GROUP CORP.	86.5
25	BLUE&P INFRASTRUCTURE GROUP	77.5

NUCLEAR PLANTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA ZHONGYUAN ENGINEERING CORP.	1,635.4
2	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	132.2
3	LARSEN & TOUBRO LTD.	124.5
4	FLUOR	81.5
5	CHINA ENERGY ENGINEERING CORP. LTD.	70.6
6	UNITED E&C INC.	58.8
7	SNC-LAVALIN INC.	13.0
8	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	7.0
9	PCL CONSTRUCTION	4.9
10	HOCHTIEF AG	4.0

Top International Design Firms

FOSSIL FUEL		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA ENERGY ENGINEERING CORP. LTD.	353.9
2	BLACK & VEATCH	84.5
3	TECNICAS REUNIDAS SA	62.7
4	AFRY	56.8
5	WORLEY LTD.	52.2
6	WOOD	48.5
7	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	45.6
8	TRACTEBEL	40.4
9	POWER CONSTRUCTION CORP. OF CHINA	39.2
10	FICHTNER GROUP	35.5
11	AECOM	34.5
12	IDOM	29.9
13	CHINA NATIONAL MACHINERY INDUSTRY CORP.	29.1
14	STANTEC INC.	26.3
15	MOTT MACDONALD	22.7
16	SARGENT & LUNDY	21.4
17	SNC-LAVALIN INC.	13.6
18	JACOBS	12.0
19	EMPRESARIOS AGRUPADOS INTERNACIONAL SA	10.9
20	ARTELIA	9.9
21	WSP GLOBAL INC.	9.1
22	POWER ENGINEERS INC.	9.0
23	GOLDER	8.8
24	NIPPON KOEI GROUP	8.8
25	BURNS & MCDONNELL	5.8

NUCLEAR PLANTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	SNC-LAVALIN INC.	175.9
2	ASSYSTEM	131.0
3	JACOBS	113.8
4	WORLEY LTD.	58.6
5	KEPCO ENGINEERING & CONSTRUCTION CO. INC.	57.3
6	TRACTEBEL	48.6
7	AFRY	43.5
8	IDOM	31.6
9	SARGENT & LUNDY	31.2
10	EMPRESARIOS AGRUPADOS INTERNACIONAL SA	25.9

^1**BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.^1

Top International Contractors

HYDRO PLANTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	POWER CONSTRUCTION CORP. OF CHINA	3,504.1
2	CHINA ENERGY ENGINEERING CORP. LTD.	650.0
3	CHINA INTERNATIONAL WATER & ELECTRIC CORP. (CWE)	606.4
4	THE ARAB CONTRACTORS CO. (OSMAN AHMED OSMAN)	437.0
5	DONGFANG ELECTRIC CORP.	256.7
6	CHINA NATIONAL MACHINERY INDUSTRY CORP.	239.5
7	SKANSKA AB	118.0
8	KIEWIT CORP.	85.6
9	BARNARD CONSTRUCTION CO. INC.	67.2
10	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	27.1
11	JIANGXI WATER AND HYDROPOWER CONSTR. CO. LTD.	26.9
12	ANHUI SOGECO FOREIGN ECON. CONSTRUCTION (GROUP)	25.3
13	SHIMIZU CORP.	25.0
14	YANJIAN GROUP CO. LTD.	24.6
15	HARBIN ELECTRIC INTERNATIONAL CO. LTD.	24.1
16	HYUNDAI ENGINEERING CO. LTD.	13.6
17	CALIK ENERJI SANAYI VE TICARET AS	11.0
18	CGCOC GROUP CO. LTD.	9.7
19	LARSEN & TOUBRO LTD.	8.5
20	SHANXI CONSTRUCTION INVESTMENT GROUP CO. LTD.	3.0

COGENERATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA ENERGY ENGINEERING CORP. LTD.	444.3
2	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	391.6
3	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	162.2
4	ABENGOA	134.8
5	PCL CONSTRUCTION	90.3
6	SENER GRUPO DE INGENIERIA SA	87.2
7	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	42.0
8	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	30.7
9	POWER CONSTRUCTION CORP. OF CHINA	21.1
10	SINOMA INTERNATIONAL ENGINEERING CO. LTD.	18.9

OPERATIONS & MAINTENANCE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	SKANSKA AB	246.0
2	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	126.7
3	FLUOR	109.4
4	ABENGOA	73.7
5	CHINA NATIONAL MACHINERY INDUSTRY CORP.	66.2
6	CALIK ENERJI SANAYI VE TICARET AS	52.0
7	CHINA ENERGY ENGINEERING CORP. LTD.	38.9
8	POWER CONSTRUCTION CORP. OF CHINA	33.1
9	SHANGHAI ELECTRIC GROUP CO. LTD.	32.3
10	HARBIN ELECTRIC INTERNATIONAL CO. LTD.	14.6

Top International Design Firms

HYDRO PLANTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	POWER CONSTRUCTION CORP. OF CHINA	153.6
2	TRACTEBEL	135.7
3	TETRA TECH INC.	77.0
4	AFRY	67.4
5	STANTEC INC.	61.8
6	SURBANA JURONG PRIVATE LTD.	60.0
7	CHINA INTERNATIONAL WATER & ELECTRIC CORP. (CWE)	48.5
8	HATCH LTD.	33.0
9	MOTT MACDONALD	18.7
10	NIPPON KOEI GROUP	17.1
11	WSP GLOBAL INC.	14.6
12	FICHTNER GROUP	14.2
13	ARTELIA	13.5
14	CHANGJIANG INST. OF SURVEY PLANNING DESIGN	11.7
15	DLZ CORP.	10.0
16	CHINA NATIONAL MACHINERY INDUSTRY CORP.	9.6
17	GEODATA ENGINEERING SPA	7.4
18	KIEWIT CORP.	6.8
19	GOLDER	5.4
20	ARUP GROUP LTD.	4.4

COGENERATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	AFRY	36.8
2	RAMBOLL GROUP A/S	26.3
3	FICHTNER GROUP	19.5
4	WSP GLOBAL INC.	15.5
5	WOOD	5.7
6	STANTEC INC.	4.2
7	CHANGJIANG INST. OF SURVEY PLANNING DESIGN	3.8
8	CHINA ENERGY ENGINEERING CORP. LTD.	3.5
9	TRACTEBEL	3.5
10	EMPRESARIOS AGRUPADOS INTERNACIONAL SA	2.4

OPERATIONS & MAINTENANCE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	AECOM	17.5
2	SURBANA JURONG PRIVATE LTD.	12.0
3	AFRY	10.4
4	KHATIB & ALAMI	7.3
5	DORSCH HOLDING GMBH	6.6
6	STANTEC INC.	6.2
7	WSP GLOBAL INC.	5.4
8	CHINA NATIONAL MACHINERY INDUSTRY CORP.	2.6
9	TRACTEBEL	2.6
10	JACOBS	2.4

^1^BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.^1

Top International Contractors

TRANSMISSION AND DISTRIBUTION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	1,957.5
2	LARSEN & TOUBRO LTD.	1,128.6
3	CHINA ELECTRIC POWER EQUIPMENT AND TECH. CO. LTD.	1,018.0
4	CHINA NATIONAL MACHINERY INDUSTRY CORP.	719.2
5	POWER CONSTRUCTION CORP. OF CHINA	516.7
6	TBEA CO. LTD.	400.2
7	HOCHTIEF AG	375.0
8	SNC-LAVALIN INC.	339.9
9	XIAN ELECTRIC ENGINEERING CO. LTD.	211.7
10	ABENGOA	193.8
11	PETROFAC LTD.	158.6
12	CHINA ENERGY ENGINEERING CORP. LTD.	141.1
13	SKANSKA AB	126.8
14	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	124.3
15	HEBEI CONSTRUCTION GROUP CO. LTD.	113.9
16	BLUE&P INFRASTRUCTURE GROUP	96.4
17	CHINA INTERNATIONAL WATER & ELECTRIC CORP. (CWE)	88.6
18	PCL CONSTRUCTION	66.4
19	CHINA RAILWAY CONSTRUCTION CORP. LTD.	63.0
20	CALIK ENERJI SANAYI VE TICARET AS	51.0
21	HUNAN CONSTRUCTION ENGINEERING GROUP CO. LTD.	39.3
22	GS ENGINEERING & CONSTRUCTION	20.4
23	NORINCO INTERNATIONAL COOPERATION LTD.	18.5
24	CHINA GENERAL TECHNOLOGY (GROUP) HOLDING CO. LTD.	16.6
25	HARBIN ELECTRIC INTERNATIONAL CO. LTD.	15.9

Top International Design Firms

TRANSMISSION AND DISTRIBUTION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WSP GLOBAL INC.	333.9
2	SNC-LAVALIN INC.	133.7
3	JACOBS	94.0
4	CHINA ENERGY ENGINEERING CORP. LTD.	87.6
5	AFRY	62.6
6	STANTEC INC.	58.5
7	TRACTEBEL	56.6
8	WORLEY LTD.	51.8
9	AURECON	46.3
10	TETRA TECH INC.	42.0
11	AECOM	39.1
12	DAR GROUP	37.8
13	MOTT MACDONALD	34.5
14	CHINA NATIONAL MACHINERY INDUSTRY CORP.	28.8
15	POWER CONSTRUCTION CORP. OF CHINA	27.5
16	SURBANA JURONG PRIVATE LTD.	23.0
17	POWER ENGINEERS INC.	22.0
18	FICHTNER GROUP	19.8
19	BURNS & MCDONNELL	19.6
20	PETROFAC LTD.	18.0
21	KHATIB & ALAMI	14.2
22	WOOD	14.1
23	BLACK & VEATCH	8.6
24	EXP	7.8
25	CHINA INTERNATIONAL WATER & ELECTRIC CORP. (CWE)	7.1

WIND GENERATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	POWER CONSTRUCTION CORP. OF CHINA	324.6
2	SAIPEM SPA	174.0
3	CHINA RAILWAY CONSTRUCTION CORP. LTD.	127.0
4	NORINCO INTERNATIONAL COOPERATION LTD.	120.0
5	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	95.9
6	CHINA NATIONAL MACHINERY INDUSTRY CORP.	74.4
7	SACYR	59.6
8	ENKA INSAAT VE SANAYI AS	41.1
9	SHANXI CONSTRUCTION INVESTMENT GROUP CO. LTD.	15.4
10	WORLEY LTD.	12.5

WIND GENERATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	POWER CONSTRUCTION CORP. OF CHINA	373.4
2	RAMBOLL GROUP A/S	39.1
3	WORLEY LTD.	38.8
4	MOTT MACDONALD	38.4
5	CHINA ENERGY ENGINEERING CORP. LTD.	34.5
6	COWI A/S	27.9
7	TRACTEBEL	23.3
8	JACOBS	22.4
9	STANTEC INC.	20.8
10	WSP GLOBAL INC.	14.2

SOLAR GENERATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	SHANGHAI ELECTRIC GROUP CO. LTD.	956.6
2	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	672.8
3	ABENGOA	390.1
4	POWER CONSTRUCTION CORP. OF CHINA	304.7
5	CHINA RAILWAY CONSTRUCTION CORP. LTD.	293.0
6	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	205.4
7	CHINA ENERGY ENGINEERING CORP. LTD.	186.5
8	PCL CONSTRUCTION	140.5
9	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	104.5
10	CHINA NATIONAL MACHINERY INDUSTRY CORP.	89.4

SOLAR GENERATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	POWER CONSTRUCTION CORP. OF CHINA	677.9
2	CHINA ENERGY ENGINEERING CORP. LTD.	116.5
3	WOOD	28.1
4	STANTEC INC.	18.3
5	JACOBS	16.5
6	TECNICA Y PROYECTOS SA (TYPESA)	14.9
7	FICHTNER GROUP	13.7
8	WSP GLOBAL INC.	12.5
9	AECOM	12.3
10	TRACTEBEL	11.1

*1/2 BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.*1

Turkey Sakarya Gas Field Development Project

In November, Wood plc was selected by Turkish Petroleum as the integrated project management partner for the Sakarya gas field development project, located 150 km (93 miles) off Turkey's Black Sea coast. Sakarya is Turkey's largest gas reserve, with a confirmed capacity of 405 billion cu m of natural gas. Following completion of the first phase in 2023, 10 million cu m/day of gas will be delivered to the country.

China Dayawan Petrochemical Industrial Park

ExxonMobil made a final investment decision in November to proceed with a multibillion-dollar chemical complex in the Dayawan Petrochemical Industrial Park in Huizhou, Guangdong Province, China. It will produce performance polymers used in packaging, automotive and agricultural applications and for hygiene and personal care consumer products. Construction is underway on the greenfield project, which includes a flexible feed steam cracker, three performance polyethylene lines and two differentiated performance polypropylene lines. The steam cracker will have installed capacity of about 1.6 million metric tons per year.

Lithuania Mažeikiai Refinery

Petrofac was awarded a \$640-million EPC contract by PC ORLEN Lietuva in October to support a comprehensive modernization, environmental upgrade and expansion program at its Mažeikiai Refinery in northwest Lithuania. The lump-sum award includes engineering, procurement, construction, start-up and commissioning services that will expand and improve capabilities of the existing refinery complex, meet requirements for cleaner fuels and improve operational and carbon efficiency. Scope of work includes mostly greenfield EPC development, some brownfield modifications and front-end engineering and design (FEED) of utilities and offsites. The contract includes work on a new residue hydrocracking facility and improvement of an existing one. Completion is expected by the end of 2024.

101.4

**million barrels per day of total
world petroleum production
forecasted in 2022**

—U.S. EIA Short-Term
Energy Outlook, Nov. 9

9+

**million tonnes per year of
additional ethylene capacity
coming online in 2021**

—McKinsey, Petrochemicals 2020,
May 2021

Worldwide LNG contracting slowed in 2020 after two years of strong activity in 2018-2019. The total volume of concluded contracts in 2020 was about 52 billion cubic meters, a 45% decrease compared with the 2018 peak of 90 bcm. In the first eight months of 2021, about 48 bcm of contracts were concluded.

—International Energy Agency's Gas Market Report Q4 2021, October 2021

Woodfibre LNG

McDermott wins contract for export facility in British Columbia

Woodfibre LNG Ltd., a Vancouver, B.C., oil and natural gas firm that is a unit of Singapore-based Pacific Energy Corp Ltd., inked an engineering, procurement, fabrication and construction (EPFC) contract in November with McDermott International for the Woodfibre LNG project—a single train liquefied natural gas export facility to be built on the site of the former Woodfibre pulp mill. The firm, which did not announce the facility cost, had previously estimated it at C\$1.6-1.8 billion. Project pre-installation work is planned for early 2022, with major construction set to start in September 2023. Substantial completion is planned for third-quarter 2027. McDermott and Woodfibre plan to collaborate on front-end engineering and design on the facility, located near Squamish, B.C. It will have a storage capacity of 250,000 cu m and produce about 2.1 million tonnes per year of LNG using hydroelectricity. McDermott will also lead commissioning and start-up services and manage onshore construction. About 650 workers will be on site at peak construction, with McDermott's contract committing it to Woodfibre LNG's hiring priority for qualified Squamish Nation members and local workers, followed by other British Columbians and Canadians. Woodfibre LNG says its facility is the only industrial project in Canada to have an environmental approval from an Indigenous people in the absence of a treaty. A low-emission philosophy will be used in all aspects of engineering and design, the firm says. ■

By Louise Poirier



CARBON-CONSCIOUS The schematic design of Woodfibre LNG, to be located on a former pulp mill site.

IMAGE COURTESY OF MCDERMOTT

Top International Contractors

PETROLEUM		
RANK	FIRM	REVENUE (\$ MIL.)
1	SAIPEM SPA	6,347.0
2	TECNICAS REUNIDAS SA	3,940.2
3	PETROFAC LTD.	3,506.1
4	CHINA PETROLEUM ENGINEERING CO. LTD.	3,337.3
5	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	3,013.2
6	FLUOR	2,834.4
7	SAMSUNG ENGINEERING CO. LTD.	2,646.4
8	MAIRE TECNIMONT SPA	2,472.0
9	JGC HOLDINGS CORP.	2,374.0
10	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	2,112.1
11	WOOD	2,101.5
12	WORLEY LTD.	1,841.1
13	CHIYODA CORP.	1,509.2
14	HYUNDAI ENGINEERING CO. LTD.	1,508.8
15	LARSEN & TOUBRO LTD.	1,136.8
16	BONATTI GROUP	972.0
17	CTCI CORP.	880.3
18	TOYO ENGINEERING CORP.	830.3
19	ROYAL BOSKALIS WESTMINSTER NV	828.0
20	SINOPEC ENGINEERING (GROUP) CO. LTD.	807.2
21	SK ECOPLANT	793.8
22	CONSOLIDATED CONTRACTORS GROUP	700.0
23	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	690.1
24	DAEWOO ENGINEERING AND CONSTRUCTION CO. LTD.	670.7
25	KIEWIT CORP.	664.0
26	GS ENGINEERING & CONSTRUCTION	644.1
27	SICIM SPA	537.0
28	SINOPEC ZHONGYUAN PETROLEUM ENGINEERING LTD.	524.6
29	DL E&C CO. LTD.	522.4
30	CONTRACTING AND TRADING CO. (C.A.T.)	511.0
31	SNC-LAVALIN INC.	499.8
32	TEKFEN CONSTRUCTION AND INSTALLATION CO. INC.	498.0
33	BECHTEL	476.0
34	HOCHTIEF AG	458.0
35	CITIC CONSTRUCTION CO. LTD.	400.0
36	PETRO. PROJECTS AND TECH. CONSULT. CO. - PETROJET	374.6
37	VINCI	333.0
38	POSCO ENGINEERING & CONSTRUCTION	318.2
39	PCL CONSTRUCTION	246.0
40	RENAISSANCE CONSTRUCTION	222.1
41	VAN OORD N.V.	218.7
42	MICHEL'S CORP.	196.7
43	ENG'G FOR THE PETROLEUM & PROCESS INDUSTRIES (ENPPI)	187.4
44	SHANDONG HI-SPEED GROUP CO. LTD.	167.1
45	ENKA INSAAT VE SANAYI AS	143.2
46	USTAY YAPI TAAHHUT VE TICARET AS	139.5
47	CHINA ENERGY ENGINEERING CORP. LTD.	130.6
48	EIFAGE	125.0
49	BLACK & VEATCH	117.5
50	APTIM	116.6

Top International Design Firms

PETROLEUM		
RANK	FIRM	REVENUE (\$ MIL.)
1	FLUOR	2,523.8
2	WORLEY LTD.	2,338.8
3	WOOD	2,007.4
4	TECNICAS REUNIDAS SA	1,429.6
5	FUGRO NV	613.8
6	MAIRE TECNIMONT SPA	542.6
7	PETROFAC LTD.	398.2
8	SNC-LAVALIN INC.	290.2
9	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	257.3
10	ARCADIS NV	220.0
11	CHINA PETROLEUM ENGINEERING CO. LTD.	194.9
12	SAMSUNG ENGINEERING CO. LTD.	188.9
13	MOTT MACDONALD	147.6
14	GOLDER	108.8
15	BECHTEL	103.0
16	LARSEN & TOUBRO LTD.	83.3
17	STANTEC INC.	79.9
18	SINOPEC ENGINEERING (GROUP) CO. LTD.	75.8
19	SK ECOPLANT	63.0
20	BILFINGER TEBODIN	54.9
21	CTCI CORP.	54.2
22	JGC HOLDINGS CORP.	47.0
23	AEGION CORP.	45.1
24	ARTELIA	39.0
25	WSP GLOBAL INC.	37.2
26	BLACK & VEATCH	36.0
27	TRACTEBEL	35.9
28	IDOM	33.8
29	RAMBOLL GROUP A/S	25.0
30	HATCH LTD.	20.0
31	ARUP GROUP LTD.	18.8
32	SHANDONG KERUI PETROLEUM EQUIP. CO. LTD.	15.5
33	SENER GRUPO DE INGENIERIA SA	15.1
34	GHD	14.7
35	ENG'G FOR THE PETROLEUM & PROCESS INDUSTRIES (ENPPI)	13.6
36	TATA PROJECTS LTD.	13.4
37	TETRA TECH INC.	12.0
38	DAR GROUP	11.5
39	CONSOLIDATED CONTRACTORS GROUP	11.4
40	PRIMORIS	11.2
41	TEKFEN ENGINEERING INC. CO.	10.9
42	KHATIB & ALAMI	10.1
43	AYESA	8.8
44	KLEINFELDER	8.6
45	KIEWIT CORP.	7.8
46	AECOM	6.6
47	VEPICA GRUPO INTERNACIONAL SLU	6.2
48	SU-YAPI ENGINEERING AND CONSULTING INC.	4.3
49	ILF CONSULTING ENGINEERS	3.6
50	THORNTON TOMASETTI	3.5

*BASED ON 2020 CONTRACTOR AND DESIGN FIRM REVENUE FROM PETROLEUM 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.

Top International Contractors

REFINERIES AND PETROCHEMICAL PLANTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	TECNICAS REUNIDAS SA	3,940.2
2	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	3,013.2
3	PETROFAC LTD.	2,364.0
4	SAMSUNG ENGINEERING CO. LTD.	2,327.7
5	FLUOR	2,308.6
6	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	2,101.2
7	HYUNDAI ENGINEERING CO. LTD.	1,508.8
8	WOOD	1,079.9
9	MAIRE TECNIMONT SPA	1,034.1
10	CTCI CORP.	880.3
11	SINOPEC ENGINEERING (GROUP) CO. LTD.	807.2
12	SAIPEM SPA	746.0
13	WORLEY LTD.	726.7
14	CONSOLIDATED CONTRACTORS GROUP	633.6
15	GS ENGINEERING & CONSTRUCTION	611.1
16	DL E&C CO. LTD.	522.4
17	BECHTEL	472.0
18	CHINA PETROLEUM ENGINEERING CO. LTD.	466.4
19	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	434.1
20	HOCHTIEF AG	426.0
21	CITIC CONSTRUCTION CO. LTD.	400.0
22	POSCO ENGINEERING & CONSTRUCTION	298.4
23	PETRO. PROJECTS AND TECH. CONSULT. CO. - PETROJET	254.1
24	KIEWIT CORP.	219.6
25	ENG'G FOR THE PETROLEUM & PROCESS INDUSTRIES (ENPPI)	159.5

MAINTENANCE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	MAIRE TECNIMONT SPA	1,326.2
2	FLUOR	516.4
3	PETROFAC LTD.	417.7
4	WOOD	292.9
5	PCL CONSTRUCTION	126.4

OFFSHORE AND UNDERWATER FACILITIES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	SAIPEM SPA	2,166.0
2	WORLEY LTD.	785.7
3	WOOD	430.4
4	LARSEN & TOUBRO LTD.	327.7
5	CHINA PETROLEUM ENGINEERING CO. LTD.	296.2
6	PETROFAC LTD.	218.9
7	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	210.8
8	BLACK & VEATCH	113.1
9	ILK CONSTRUCTION	66.0
10	HANWHA ENGINEERING & CONSTRUCTION	21.8
11	KIEWIT CORP.	20.7
12	AEGION CORP.	14.4
13	FLUOR	4.4
14	ENKA INSAAT VE SANAYI AS	4.2
15	SNC-LAVALIN INC.	0.9

Top International Design Firms

REFINERIES AND PETROCHEMICAL PLANTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	FLUOR	2,515.0
2	TECNICAS REUNIDAS SA	1,429.6
3	WORLEY LTD.	1,117.5
4	WOOD	916.5
5	PETROFAC LTD.	268.5
6	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	257.3
7	MAIRE TECNIMONT SPA	208.4
8	SAMSUNG ENGINEERING CO. LTD.	168.8
9	BECHTEL	102.0
10	SINOPEC ENGINEERING (GROUP) CO. LTD.	75.8
11	CTCI CORP.	54.2
12	BILFINGER TEBODIN	44.4
13	LARSEN & TOUBRO LTD.	44.1
14	IDOM	33.8
15	HATCH LTD.	20.0
16	CHINA PETROLEUM ENGINEERING CO. LTD.	19.9
17	GOLDER	17.2
18	STANTEC INC.	15.8
19	WSP GLOBAL INC.	15.1
20	BLACK & VEATCH	13.7
21	ENG'G FOR THE PETROLEUM & PROCESS INDUSTRIES (ENPPI)	13.2
22	SENER GRUPO DE INGENIERIA SA	9.3
23	SNC-LAVALIN INC.	9.1
24	CONSOLIDATED CONTRACTORS GROUP	8.4
25	KHATIB & ALAMI	8.0

MAINTENANCE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WOOD	271.6
2	PETROFAC LTD.	47.4
3	SNC-LAVALIN INC.	33.3
4	STANTEC INC.	11.5
5	DAR GROUP	5.8

OFFSHORE AND UNDERWATER FACILITIES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WOOD	424.7
2	WORLEY LTD.	294.6
3	SNC-LAVALIN INC.	49.5
4	LARSEN & TOUBRO LTD.	33.7
5	PETROFAC LTD.	24.9
6	RAMBOLL GROUP A/S	23.0
7	MOTT MACDONALD	21.8
8	BLACK & VEATCH	21.2
9	ARUP GROUP LTD.	12.4
10	BILFINGER TEBODIN	6.0
11	FLUOR	4.2
12	THORNTON TOMASETTI	3.5
13	DAR GROUP	1.0
14	AFRY	1.0
15	STANTEC INC.	0.6

^/1*BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.^/1

Top International Contractors

PIPELINES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	SAIPEM SPA	2,098.0
2	CHINA PETROLEUM ENGINEERING CO. LTD.	777.5
3	CONTRACTING AND TRADING CO. (C.A.T.)	511.0
4	KIEWIT CORP.	417.0
5	LARSEN & TOUBRO LTD.	257.1
6	WOOD	226.5
7	MICHELS CORP.	196.7
8	SICIM SPA	150.0
9	WORLEY LTD.	146.3
10	PETRO. PROJECTS AND TECH. CONSULT. CO. - PETROJET	120.5
11	CONSOLIDATED CONTRACTORS GROUP	66.4
12	CIMOLAI SA	64.0
13	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	49.2
14	SNC-LAVALIN INC.	47.5
15	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	45.1
16	AEGION CORP.	43.8
17	SENER GRUPO DE INGENIERIA SA	36.3
18	HOCHTIEF AG	32.0
19	ENG'G FOR THE PETROLEUM & PROCESS INDUSTRIES (ENPPI)	28.0
20	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	14.8
21	PCL CONSTRUCTION	8.5
22	PETROFAC LTD.	7.6
23	CHINA JIANGSU INT'L ECON. AND TECH. COOP. GROUP LTD.	7.5
24	KAJIMA CORP.	6.4
25	CHINA RAILWAY CONSTRUCTION CORP. LTD.	6.0

Top International Design Firms

PIPELINES		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WOOD	242.6
2	INTERTEK-PSI	150.7
3	MOTT MACDONALD	121.0
4	WORLEY LTD.	58.6
5	STANTEC INC.	52.0
6	AEGION CORP.	45.1
7	WSP GLOBAL INC.	21.8
8	GOLDER	21.2
9	SNC-LAVALIN INC.	13.3
10	TETRA TECH INC.	8.0
11	BILFINGER TEBODIN	4.5
12	ARUP GROUP LTD.	4.4
13	DAR GROUP	3.6
14	CONSOLIDATED CONTRACTORS GROUP	3.0
15	DORSCH HOLDING GMBH	2.5
16	SENER GRUPO DE INGENIERIA SA	2.1
17	KHATIB & ALAMI	2.1
18	RAMBOLL GROUP A/S	2.0
19	ILF CONSULTING ENGINEERS	2.0
20	CHINA PETROLEUM ENGINEERING CO. LTD.	1.9
21	HDR	1.4
22	ASSOCIATED CONSULTING ENGINEERS	1.2
23	KIEWIT CORP.	1.1
24	BECHTEL	1.0
25	AECOM	0.9

^/1*BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.^/1



MODERNIZE
 With need to manage flooding and water quality in Glasgow, Scotland, AECOM is in the process of developing a modern drainage system with real-time modeling. The automated system will use rain forecasting data to manage water levels in a canal built in 1790.

New 'Smart' Canal

North Glasgow Integrated Water Management System

AECOM is developing a live hydraulic model for a smart canal in Glasgow that will proactively manage flood risk and water quality using rainfall forecast data. The system will provide surface water storage when required and deliver flood risk mitigation by using automated regulation of the canal level. A set of controls open and close the discharge and feeder sluices to lower canal levels based on anticipated storm runoff. The stormwater then raises the canal back to a normal operating level. AECOM is providing a range of technical and advisory services for the approximately \$5-million project, called the North Glasgow Integrated Water Management System. AECOM's services include engineering design, hydraulic modeling and project management. MacKenzie Construction is the contractor, and Fairfield's Control Systems is installing the telemetry and IT hardware. In August, the project team completed the civil, monitoring and IT infrastructure portion of the project, but work on the modeling continues. AECOM says that repurposing an 18th-century canal for modern use is more cost-effective than traditional approaches. ■

By Pam McFarland

TORONTO COXWELL BYPASS TUNNEL

The Coxwell Bypass Tunnel, the first of three tunnels planned as part of Toronto's plan to reduce combined sewer overflows, has reached 65% completion, and the tunnel-boring machine reached the halfway mark in May. Black & Veatch is providing engineering design and construction management on the 10.5-km, 6.3-m-dia tunnel. It is the first of three planned tunnels to reduce combined sewer overflows in Toronto. Other firms on the \$397-million project include a joint-venture team of Jay Dee Canada, Michels Canada and C&M McNally Tunnel Constructors. The bypass tunnel project is expected to be completed sometime in 2024.



The bypass tunnel project is expected to be completed sometime in 2024.

Bangladesh Saidabad Water Treatment Plant in Dhaka

Mott MacDonald is providing program management, design, supervision and construction of a water pumping station and transmission pipelines as well as improvements to the distribution system for a new water treatment plant that will deliver drinking water to more than 4.5 million people in Dhaka, Bangladesh. The project will convey water from the Meghna River using a high-performance pumping system, which will feed twin pipelines more than 2 meters wide and more than 30 km long. Large pipes will be installed underneath densely populated urban areas. Other members of the joint venture team include Sweco and Artelia. The Dhaka Water and Sewerage Authority announced the project award in October.

United Kingdom Guildford Sewage Treatment Works Relocation

In July, Thames Water awarded a joint venture team a \$145-million contract to relocate one of its existing wastewater treatment plants to a different site—a former landfill. The plant is being moved to make room for a new development planned along the Wey River. Arcadis, part of the joint-venture team of BAM Nuttal-Doosan, will provide design services related to the geotechnical, structural and civil aspects of the project. The landfill contains both industrial and household waste and lies adjacent to a nature reserve and a floodplain. The Arcadis design will incorporate use of piling and ground improvement methods to reduce differential settlement across the new site.

AECOM estimates that repurposing a Glasgow, Scotland, canal built in 1790 to meet contemporary needs by incorporating automated and dynamic water level regulation will cost 60% less than a more standard engineering solution.

Top International Contractors

WATER SUPPLY		
RANK	FIRM	REVENUE (\$ MIL.)
1	OBAYASHI CORP.	816.0
2	WEBUILD SPA	800.2
3	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	783.1
4	STRABAG SE	607.8
5	POWER CONSTRUCTION CORP. OF CHINA	564.4
6	FERROVIAL	539.1
7	CHINA ENERGY ENGINEERING CORP. LTD.	511.0
8	FCC SA	504.9
9	SAMSUNG C&T CORP.	441.4
10	VINCI	372.0
11	ZHONGMEI ENGINEERING GROUP LTD.	368.7
12	ABENGOA	336.8
13	CHINA NATIONAL MACHINERY INDUSTRY CORP.	282.2
14	GS ENGINEERING & CONSTRUCTION	257.8
15	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	250.7
16	ORASCOM CONSTRUCTION PLC	224.8
17	CHINA RAILWAY CONSTRUCTION CORP. LTD.	214.0
18	EIFFAGE	205.0
19	CHINA GEO-ENGINEERING CORP.	183.5
20	JIANGXI WATER AND HYDROPOWER CONSTR. CO. LTD.	167.8
21	NUROL CONSTRUCTION AND TRADING CO. INC.	161.6
22	HOCHTIEF AG	157.0
23	LIMAK INSAAT SANAYI VE TICARET AS	155.0
24	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	136.7
25	LARSEN & TOUBRO LTD.	130.7
26	MWH CONSTRUCTORS INC.	126.1
27	CGCOC GROUP CO. LTD.	112.7
28	YUKSEL INSAAT CO. INC.	109.5
29	SACYR	108.6
30	BECHTEL	99.0
31	SKANSKA AB	94.7
32	BLUE&P INFRASTRUCTURE GROUP	83.5
33	WOOD	65.3
34	METAG GROUP	55.5
35	BAUER AG	55.0
36	KIEWIT CORP.	53.5
37	ZHENGTAI GROUP CO. LTD.	46.0
38	BLACK & VEATCH	43.8
39	BESIX	41.4
40	SOUTHLAND HOLDINGS LLC	40.6
41	HUNAN CONSTRUCTION ENGINEERING GROUP CO. LTD.	37.1
42	CHINA HENAN INT'L COOPERATION GROUP CO. LTD.	34.8
43	DAEWOO ENGINEERING AND CONSTRUCTION CO. LTD.	32.5
44	KAJIMA CORP.	30.6
45	DL E&C CO. LTD.	27.0
46	ESER CONTRACTING	26.4
47	CHONGQING INTERNATIONAL CONSTRUCTION CORP.	26.3
48	BOUYGUES	25.0
49	TREVI FINANZIARIA INDUSTRIALE SPA	24.2
50	CHINA NONFERROUS METAL IND. FOR. ENG'G AND CONSTR.	24.0

Top International Design Firms

WATER SUPPLY		
RANK	FIRM	REVENUE (\$ MIL.)
1	AECOM	386.3
2	STANTEC INC.	381.8
3	TETRA TECH INC.	294.0
4	JACOBS	219.7
5	SNC-LAVALIN INC.	187.4
6	GHD	127.8
7	ARCADIS NV	93.0
8	MOTT MACDONALD	91.3
9	WSP GLOBAL INC.	82.2
10	BLACK & VEATCH	75.5
11	WOOD	67.0
12	WORLEY LTD.	51.7
13	KHATIB & ALAMI	51.5
14	SWECO	51.0
15	AYESA	50.3
16	ROYAL HASKONINGDHV	47.3
17	DORSCH HOLDING GMBH	44.6
18	DAR GROUP	44.0
19	SURBANA JURONG PRIVATE LTD.	44.0
20	COWI A/S	39.9
21	RAMBOLL GROUP A/S	39.4
22	ARUP GROUP LTD.	38.7
23	FUGRO NV	38.3
24	TECNICA Y PROYECTOS SA (TYPESA)	32.9
25	CDM SMITH	27.8
26	EGIS	26.1
27	FICHTNER GROUP	26.1
28	NIPPON KOEI GROUP	25.2
29	GOLDER	24.8
30	HATCH LTD.	23.0
31	ZUTARI (PTY) LTD.	18.9
32	EXP	17.2
33	ARTELIA	17.2
34	AFRY	17.0
35	CONSOLIDATED CONSULT. FOR ENG'G & ENV. (CC GROUP)	16.6
36	TPF SA	12.9
37	STUDI INTERNATIONAL	12.5
38	CHINA NATIONAL MACHINERY INDUSTRY CORP.	11.7
39	PARSONS	11.6
40	ITALCONSULT SPA	10.1
41	BECA GROUP LTD.	9.1
42	ASSOCIATED CONSULTING ENGINEERS	9.0
43	CES CONSULTING ENGINEERS SALZGITTER GMBH	8.5
44	POWER CONSTRUCTION CORP. OF CHINA	7.5
45	CHANGJIANG INST. OF SURVEY PLANNING DESIGN	6.9
46	DOHWA ENGINEERING CO. LTD.	6.8
47	ORIENTAL CONSULTANTS GLOBAL	6.1
48	YACHIYO ENGINEERING CO. LTD.	5.9
49	ZUHAIR FAYEZ PARTNERSHIP CONSULTANTS	5.7
50	ENGICON	5.3

*BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.

Top International Contractors

SEWER & SOLID WASTE		
RANK	FIRM	REVENUE (\$ MIL.)*
1	FCC SA	1,438.6
2	FERROVIAL	640.2
3	WEBUILD SPA	399.8
4	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	398.1
5	STRABAG SE	364.4
6	SAMSUNG ENGINEERING CO. LTD.	336.1
7	CHINA ENERGY ENGINEERING CORP. LTD.	260.5
8	NUROL CONSTRUCTION AND TRADING CO. INC.	186.3
9	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	162.0
10	HOCHTIEF AG	161.0
11	GHELLA SPA	160.0
12	PER AARSLEFF HOLDING A/S	154.1
13	PENTA-OCEAN CONSTRUCTION CO. LTD.	152.1
14	YUKSEL INSAAT CO. INC.	129.7
15	POWER CONSTRUCTION CORP. OF CHINA	122.8
16	BESIX	106.2
17	SKANSKA AB	105.4
18	MWH CONSTRUCTORS INC.	97.7
19	ED. ZUBLIN AG	96.1
20	AEGION CORP.	95.7
21	ORASCOM CONSTRUCTION PLC	94.5
22	KUZU GROUP	91.0
23	OBAYASHI CORP.	72.0
24	CIMIC GROUP LTD.	67.2
25	LARSEN & TOUBRO LTD.	61.3
26	XPCC CONSTRUCTION & ENGINEERING (GROUP) CO. LTD.	59.9
27	SHANGHAI CONSTRUCTION GROUP CO. LTD.	58.9
28	JAN DE NUL GROUP (SOFIDRA SA)	56.0
29	BOTHAR GROUP PTY LTD.	55.4
30	CHINA GEO-ENGINEERING CORP.	46.4
31	SHANXI CONSTRUCTION INVESTMENT GROUP CO. LTD.	42.0
32	BLACK & VEATCH	41.7
33	KAJIMA CORP.	36.9
34	SACYR	36.2
35	CHINA HENAN INT'L COOPERATION GROUP CO. LTD.	34.0
36	PCL CONSTRUCTION	32.8
37	CTCI CORP.	28.9
38	MICHELS CORP.	23.4
39	YAPI MERKEZI INSAAT VE SANAYI AS	23.3
40	ALBERICI-FLINTCO	22.7
41	BEIJING CONSTRUCTION ENGINEERING GROUP CO. LTD.	22.0
42	BAUER AG	19.4
43	CHINA METALLURGICAL GROUP CORP.	18.2
44	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	17.8
45	CHINA NATIONAL COMPLETE PLANT IMP. & EXP. GROUP	17.6
46	HYUNDAI ENGINEERING CO. LTD.	16.2
47	COMBINED GROUP CONTRACTING CO. (K.S.C)	16.2
48	ZHONGDING INTERNATIONAL ENGINEERING CO. LTD	15.8
49	JIANGXI WATER AND HYDROPOWER CONSTR. CO. LTD.	15.7
50	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	15.5

Top International Design Firms

SEWER & SOLID WASTE		
RANK	FIRM	REVENUE (\$ MIL.)*
1	STANTEC INC.	336.0
2	JACOBS	156.7
3	AECOM	134.8
4	MOTT MACDONALD	134.4
5	RAMBOLL GROUP A/S	130.9
6	GHD	116.5
7	COWI A/S	78.4
8	TETRA TECH INC.	67.0
9	BLACK & VEATCH	62.0
10	CDM SMITH	55.7
11	DORSCH HOLDING GMBH	54.5
12	WSP GLOBAL INC.	51.3
13	SWECO	46.0
14	DAR GROUP	44.6
15	KHATIB & ALAMI	42.9
16	WOOD	42.6
17	ROYAL HASKONINGDHV	26.1
18	ARUP GROUP LTD.	23.7
19	ASSOCIATED CONSULTING ENGINEERS	23.0
20	GOLDER	21.0
21	AFRY	20.0
22	EXP	19.5
23	SAMSUNG ENGINEERING CO. LTD.	17.5
24	CTI ENGINEERING GROUP	14.6
25	FICHTNER GROUP	14.0
26	TPF SA	11.2
27	AYESA	10.8
28	NIPPON KOEI GROUP	10.3
29	TECNICA Y PROYECTOS SA (TYPESA)	10.1
30	AEGION CORP.	9.6
31	DOHWA ENGINEERING CO. LTD.	9.2
32	ARTELIA	8.5
33	CTCI CORP.	8.4
34	MEINHARDT GROUP INTERNATIONAL	8.1
35	CES CONSULTING ENGINEERS SALZGITTER GMBH	8.0
36	HASSAN ALLAM HOLDING	7.6
37	ITALCONSULT SPA	7.4
38	YACHIYO ENGINEERING CO. LTD.	7.2
39	STUDI INTERNATIONAL	6.6
40	IDOM	6.5
41	LARSEN & TOUBRO LTD.	6.4
42	NIHON SUIDO CONSULTANTS CO. LTD.	6.3
43	MORRISON HERSHFIELD	5.4
44	GEOSYNTEC CONSULTANTS	4.8
45	HDR	3.9
46	NICHOLAS O'DWYER LTD.	3.6
47	ENGICON	3.5
48	ARABTECH JARDANEH	3.4
49	SHAKER GROUP	3.3
50	SU-YAPI ENGINEERING AND CONSULTING INC.	2.4

*^BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.^1

Top International Contractors

WASTEWATER TREATMENT		
RANK	FIRM	REVENUE (\$ MIL.**)
1	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	185.5
2	GHELLA SPA	160.0
3	POWER CONSTRUCTION CORP. OF CHINA	110.0
4	MWH CONSTRUCTORS INC.	94.6
5	CHINA ENERGY ENGINEERING CORP. LTD.	85.0
6	SAMSUNG ENGINEERING CO. LTD.	81.2
7	LARSEN & TOUBRO LTD.	61.3
8	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	60.0
9	HOCHTIEF AG	60.0
10	SKANSKA AB	56.1
11	SHANXI CONSTRUCTION INVESTMENT GROUP CO. LTD.	42.0
12	CHINA GEO-ENGINEERING CORP.	41.4
13	WEBUILD SPA	33.5
14	PCL CONSTRUCTION	28.3
15	YAPI MERKEZI INSAAT VE SANAYI AS	23.3
16	ALBERICI-FLINTCO	22.7
17	KAJIMA CORP.	19.4
18	ZHONGDING INTERNATIONAL ENGINEERING CO. LTD	15.8
19	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	15.5
20	ZHONGMEI ENGINEERING GROUP LTD.	15.4
21	METAG GROUP	14.8
22	SHANGHAI CONSTRUCTION GROUP CO. LTD.	12.4
23	THE WALSH GROUP	10.9
24	WEEKS MARINE INC.	10.1
25	MICHEL'S CORP.	9.6

HAZARDOUS WASTE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	VINCI	166.0
2	DAEWOO ENGINEERING AND CONSTRUCTION CO. LTD.	109.8
3	RAMBOLL GROUP A/S	53.8
4	EIFFAGE	50.0
5	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	23.4
6	ECC	14.7
7	SKANSKA AB	14.1
8	APTIM	6.7
9	BOUYGUES	6.0
10	BECHTEL	5.0
11	GILBANE BUILDING CO.	2.1
12	FLUOR	2.0
13	HOCHTIEF AG	2.0
14	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	2.0
15	CHINA NATIONAL CHEMICAL ENG'G GROUP CORP. LTD.	1.8

Top International Design Firms

WASTEWATER TREATMENT		
RANK	FIRM	REVENUE (\$ MIL.**)
1	STANTEC INC.	147.9
2	AECOM	128.1
3	JACOBS	98.1
4	MOTT MACDONALD	42.2
5	RAMBOLL GROUP A/S	36.7
6	BLACK & VEATCH	30.7
7	CDM SMITH	30.1
8	ROYAL HASKONINGDHV	25.2
9	DORSCH HOLDING GMBH	20.3
10	TETRA TECH INC.	19.0
11	AFRY	14.9
12	ARUP GROUP LTD.	12.2
13	WSP GLOBAL INC.	12.0
14	COWI A/S	10.2
15	ASSOCIATED CONSULTING ENGINEERS	9.0
16	WOOD	8.3
17	GOLDER	8.1
18	CTCI CORP.	7.8
19	TECNICA Y PROYECTOS SA (TYPESA)	7.7
20	DAR GROUP	7.0
21	LARSEN & TOUBRO LTD.	6.4
22	MEINHARDT GROUP INTERNATIONAL	6.1
23	IDOM	4.7
24	NIPPON KOEI GROUP	4.5
25	SAMSUNG ENGINEERING CO. LTD.	4.3

HAZARDOUS WASTE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	RAMBOLL GROUP A/S	447.6
2	AECOM	288.6
3	JACOBS	268.1
4	WSP GLOBAL INC.	256.8
5	GHD	249.0
6	SNC-LAVALIN INC.	211.4
7	WOOD	187.9
8	TETRA TECH INC.	90.0
9	ARCADIS NV	76.0
10	PARSONS	52.8
11	STANTEC INC.	52.5
12	GEOSYNTEC CONSULTANTS	41.2
13	GOLDER	34.0
14	CDM SMITH	20.0
15	TRACTEBEL	13.3

^/1*BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.^/1

Top International Contractors

TREATMENT & DESALINATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ABENGOA	326.6
2	GS ENGINEERING & CONSTRUCTION	251.7
3	POWER CONSTRUCTION CORP. OF CHINA	169.2
4	CHINA NATIONAL MACHINERY INDUSTRY CORP.	135.4
5	HOCHTIEF AG	82.0
6	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	82.0
7	MWH CONSTRUCTORS INC.	77.7
8	CHINA ENERGY ENGINEERING CORP. LTD.	76.2
9	OBAYASHI CORP.	72.0
10	WOOD	64.5
11	SACYR	51.8
12	ZHENGTAI GROUP CO. LTD.	46.0
13	BLACK & VEATCH	43.8
14	CHINA RAILWAY CONSTRUCTION CORP. LTD.	35.0
15	WEBUILD SPA	24.0
16	CHINA GEO-ENGINEERING CORP.	23.8
17	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	22.8
18	ELECTRA LTD.	21.4
19	SAMSUNG ENGINEERING CO. LTD.	20.6
20	CGCOC GROUP CO. LTD.	20.4
21	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	20.4
22	SICIM SPA	20.0
23	HYUNDAI ENGINEERING CO. LTD.	18.7
24	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	18.7
25	CHINA NATIONAL AERO-TECHNOLOGY INT'L ENG'G CORP.	15.7

Top International Design Firms

TREATMENT & DESALINATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	STANTEC INC.	118.1
2	TETRA TECH INC.	103.0
3	AECOM	100.9
4	JACOBS	78.0
5	BLACK & VEATCH	55.2
6	WORLEY LTD.	51.7
7	WOOD	44.7
8	MOTT MACDONALD	27.0
9	EGIS	26.1
10	CDM SMITH	23.8
11	HATCH LTD.	23.0
12	DORSCH HOLDING GMBH	21.9
13	FICHTNER GROUP	21.7
14	ROYAL HASKONINGDHV	17.2
15	COWI A/S	16.9
16	TECNICA Y PROYECTOS SA (TYPESA)	10.2
17	DAR GROUP	9.5
18	RAMBOLL GROUP A/S	9.2
19	WSP GLOBAL INC.	8.4
20	NIPPON KOEI GROUP	7.1
21	PARSONS	6.9
22	CHINA NATIONAL MACHINERY INDUSTRY CORP.	5.4
23	KHATIB & ALAMI	5.2
24	ARTELIA	4.6
25	ARUP GROUP LTD.	4.4

TRANSMISSION LINES & AQUEDUCTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	POWER CONSTRUCTION CORP. OF CHINA	237.1
2	LIMAK INSAAT SANAYI VE TICARET AS	155.0
3	CHINA GEO-ENGINEERING CORP.	148.4
4	CHINA NATIONAL MACHINERY INDUSTRY CORP.	146.4
5	LARSEN & TOUBRO LTD.	130.7
6	YUKSEL INSAAT CO. INC.	109.5
7	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	106.8
8	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	87.3
9	CGCOC GROUP CO. LTD.	86.9
10	CHINA RAILWAY CONSTRUCTION CORP. LTD.	81.0
11	ZHONGMEI ENGINEERING GROUP LTD.	65.1
12	JIANGXI WATER AND HYDROPOWER CONSTR. CO. LTD.	59.6
13	MWH CONSTRUCTORS INC.	46.3
14	CHINA ENERGY ENGINEERING CORP. LTD.	41.6
15	METAG GROUP	40.9
16	HUNAN CONSTRUCTION ENGINEERING GROUP CO. LTD.	37.1
17	CHINA HENAN INT'L COOPERATION GROUP CO. LTD.	34.7
18	BECHTEL	32.0
19	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	30.8
20	KAJIMA CORP.	29.3
21	CHINA NONFERROUS METAL IND. FOR. ENG'G AND CONSTR.	24.0
22	HOCHTIEF AG	21.0
23	SAIPEM SPA	21.0
24	CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD.	17.4
25	SMK GROUP	15.2

TRANSMISSION LINES & AQUEDUCTS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	SNC-LAVALIN INC.	187.4
2	AECOM	159.1
3	STANTEC INC.	158.2
4	JACOBS	92.3
5	MOTT MACDONALD	50.5
6	TETRA TECH INC.	40.0
7	KHATIB & ALAMI	38.3
8	DAR GROUP	23.1
9	WSP GLOBAL INC.	22.0
10	COWI A/S	21.3
11	EXP	17.2
12	TECNICA Y PROYECTOS SA (TYPESA)	13.8
13	BLACK & VEATCH	13.7
14	ARUP GROUP LTD.	10.9
15	DORSCH HOLDING GMBH	9.0
16	TPF SA	8.8
17	POWER CONSTRUCTION CORP. OF CHINA	7.3
18	CHINA NATIONAL MACHINERY INDUSTRY CORP.	5.9
19	ZUHAIR FAYEZ PARTNERSHIP CONSULTANTS	5.7
20	PARSONS	4.7
21	ECG ENGINEERING CONSULTANTS GROUP SA	4.5
22	RAMBOLL GROUP A/S	4.3
23	CDM SMITH	4.1
24	FICHTNER GROUP	3.6
25	LARSEN & TOUBRO LTD.	3.5

^/1*BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.^/1

Top International Contractors

DAMS & RESERVOIRS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WEBUILD SPA	776.2
2	OBAYASHI CORP.	744.0
3	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	452.8
4	CHINA ENERGY ENGINEERING CORP. LTD.	321.1
5	ZHONGMEI ENGINEERING GROUP LTD.	290.0
6	CHINA JIANGXI INT'L ECON. AND TECH. COOP. CO. LTD.	194.6
7	POWER CONSTRUCTION CORP. OF CHINA	155.8
8	JIANGXI WATER AND HYDROPOWER CONSTR. CO. LTD.	108.1
9	BLUE&P INFRASTRUCTURE GROUP	83.5
10	BECHTEL	67.0
11	KIEWIT CORP.	53.5
12	SACYR	50.2
13	HOCHTIEF AG	45.0
14	DL E&C CO. LTD.	27.0
15	CHONGQING INTERNATIONAL CONSTRUCTION CORP.	26.3
16	CHINA RAILWAY CONSTRUCTION CORP. LTD.	25.0
17	CONSOLIDATED CONTRACTORS GROUP	14.7
18	METAG GROUP	14.6
19	ZHONGDING INTERNATIONAL ENGINEERING CO. LTD	13.5
20	SKANSKA AB	12.1

SANITARY & STORM SEWERS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	WEBUILD SPA	366.4
2	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	169.8
3	PER AARSLEFF HOLDING A/S	150.3
4	HOCHTIEF AG	94.0
5	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	94.0
6	AEGION CORP.	86.1
7	OBAYASHI CORP.	72.0
8	XPCC CONSTRUCTION & ENGINEERING (GROUP) CO. LTD.	59.9
9	PENTA-OCEAN CONSTRUCTION CO. LTD.	53.5
10	SHANGHAI CONSTRUCTION GROUP CO. LTD.	46.5
11	CHINA HENAN INT'L COOPERATION GROUP CO. LTD.	34.0
12	BLACK & VEATCH	33.8
13	KAJIMA CORP.	17.4
14	COMBINED GROUP CONTRACTING CO. (K.S.C)	16.2
15	JIANGXI WATER AND HYDROPOWER CONSTR. CO. LTD.	15.7

Top International Design Firms

DAMS & RESERVOIRS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	TETRA TECH INC.	151.0
2	AECOM	126.3
3	STANTEC INC.	105.5
4	JACOBS	49.4
5	SURBANA JURONG PRIVATE LTD.	44.0
6	ROYAL HASKONINGDHV	30.0
7	WSP GLOBAL INC.	27.3
8	RAMBOLL GROUP A/S	15.2
9	MOTT MACDONALD	13.8
10	DORSCH HOLDING GMBH	13.7
11	DAR GROUP	11.4
12	WOOD	10.6
13	TECNICA Y PROYECTOS SA (TYPESA)	8.9
14	NIPPON KOEI GROUP	7.0
15	BLACK & VEATCH	5.6
16	ASSOCIATED CONSULTING ENGINEERS	5.5
17	AURECON	5.0
18	CES CONSULTING ENGINEERS SALZGITTER GMBH	4.3
19	ARTELIA	4.0
20	CHANGJIANG INST. OF SURVEY PLANNING DESIGN	3.9

SANITARY & STORM SEWERS		
RANK	FIRM	REVENUE (\$ MIL.**)
1	STANTEC INC.	171.2
2	MOTT MACDONALD	85.3
3	JACOBS	56.4
4	RAMBOLL GROUP A/S	45.6
5	KHATIB & ALAMI	42.0
6	DAR GROUP	34.9
7	BLACK & VEATCH	31.0
8	DORSCH HOLDING GMBH	30.1
9	COWI A/S	26.4
10	TETRA TECH INC.	23.0
11	WOOD	20.6
12	CDM SMITH	20.1
13	EXP	18.1
14	CTI ENGINEERING GROUP	14.6
15	ASSOCIATED CONSULTING ENGINEERS	13.5

^/1BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.^/1

Top International Contractors

SOLID WASTE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	SAMSUNG ENGINEERING CO. LTD.	254.6
2	CHINA ENERGY ENGINEERING CORP. LTD.	175.6
3	PENTA-OCEAN CONSTRUCTION CO. LTD.	98.5
4	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD.	39.1
5	SACYR	36.2
6	CTCI CORP.	28.9
7	CHINA NATIONAL COMPLETE PLANT IMP. & EXP. GROUP	17.6
8	HYUNDAI ENGINEERING CO. LTD.	15.0
9	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD.	14.7
10	POWER CONSTRUCTION CORP. OF CHINA	2.0

CHEMICAL & SOIL REMEDIATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	ECC	14.7
2	HOCHTIEF AG	2.0
3	ACS ACTIVIDADES DE CONSTRUCCIÓN Y SERVICIOS SA	2.0
4	SHIMIZU CORP.	0.8
5	GOLDER	0.3

Top International Design Firms

SOLID WASTE		
RANK	FIRM	REVENUE (\$ MIL.**)
1	COWI A/S	41.8
2	TETRA TECH INC.	25.0
3	STANTEC INC.	16.9
4	WOOD	13.7
5	SAMSUNG ENGINEERING CO. LTD.	13.4
6	GOLDER	12.8
7	FICHTNER GROUP	8.5
8	RAMBOLL GROUP A/S	7.8
9	MOTT MACDONALD	6.6
10	CDM SMITH	5.6

CHEMICAL & SOIL REMEDIATION		
RANK	FIRM	REVENUE (\$ MIL.**)
1	RAMBOLL GROUP A/S	189.0
2	AECOM	138.9
3	WOOD	70.1
4	TETRA TECH INC.	55.0
5	PARSONS	51.2

^/1*BASED ON 2020 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 2020 PROVIDED BY INDUSTRY FIRMS PARTICIPATING IN ENR'S SOURCEBOOK MARKET SURVEY. SEE ENR.COM FOR COMPLETE LISTINGS.^/1

2021 Global Sourcebook Directory

Australia

Aurecon

Aurecon Centre, Level 8, 850 Collins
Street, Docklands
Melbourne, 8012
Australia
William Cox, Chief Executive Officer
+61 3 9975 3000
www.aurecongroup.com

Bothar Group Pty Ltd.

98 Ingleston Road
Wakerley, 4154
Australia
Noel Kerr, Managing Director
+61 739070666
www.bothar-group.com

CIMIC Group Ltd.

LEVEL 25, 177 PACIFIC HIGHWAY
NORTH SYDNEY, 2060
Australia
JUAN SANTAMARIA, Executive Chairman
and CEO
61299256134
WWW.CIMIC.COM.AU

GHD

133 Castlereagh St
Sydney, 2000
Australia
Ashley Wright, CEO
02 9239 7100
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
<https://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.

Level 17, 141 Walker Street
North Sydney, 2060
Australia
Chris Ashton, CEO
61289236866
www.worley.com

Austria

ILF Consulting Engineers

Feldkreuzstraße 3
Rum, Tyrol 6306
Austria
+43 512 2412 0
www.ilf.com

STRABAG SE

Donau-City-Str. 9
Vienna, 1220
Austria
Thomas Birtel, Dr.
+43 1 22422 1091
www.strabag.com

Bahrain

SSH

41 Floor, Almoyyat Tower,
Al Seef District, Manama,, 18699
Bahrain
Matthew Squires, Chief Executive Officer
97317580758
www.sshic.com

Belgium

BESIX

100, Avenue Des Communautés

2021 Global Sourcebook Directory

Brussels, 1200
Belgium
Pierre Sironval, CEO
3224026465
www.besix.com

TPF SA

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

Tractebel

Boulevard Simon Bolivar 34-36
Brussels, 1000
Belgium
Philippe Van Troeye, CEO
3227739911
www.tractebel-engie.com

Canada

Hatch Ltd.

2800 Speakman Drive
Mississauga, L5K 2R7
Canada
J Bianchini, CEO
9058557600
www.hatch.com

SNC-Lavalin Inc.

455 René-Lévesque Blvd West
Montreal, H2Z 1Z3
Canada
Ian L. Edwards, President & CEO
514-393-8000
www.snclavalin.com

Stantec Inc.

Suite 400, 10220 - 103 Ave
Edmonton, T5J 0K4
Canada
Gord Johnston, President & CEO

949-923-6000
www.stantec.com

WSP Global Inc.

1600 René-Lévesque West, 11th floor
Montreal, H3H 1P9
Canada
Alexandre L'Heureux, President & CEO
438-843-7519
www.wsp.com

China

Anhui Construction Engineering Group Co. Ltd.

No.459, Huangshan Road
Hefei City, Anhui Province 230001
China
Wang Houliang, Chairman of Board
86-551-62887169
www.aceg.com.cn

Anhui Sogecoa Foreign Econ. Construction (Group)

No.28,DongLiu Road
Heifei, Anhui 230001
China
Mr.Jiang Qingde, Chairman
+86-551-63492574
www.afecc.com

Beijing Construction Engineering Group Co. Ltd.

No.1 Guanglian Road, Xuanwu District
Beijing, Beijing 100055
China
Mr. Fan Jun, Charirman of the Board
0086-10-63927249
bcegi.bcegc.com

Beijing Urban Construction Group Co. Ltd.

No. 18, Beitaipingzhuang Road, Haidian District
Beijing, Beijing 100088
China

2021 Global Sourcebook Directory

Chen Daihua, Chairman of the Board
8610-62091551
www.bucg.com

CGCOC Group Co. Ltd.

A09,South-East gate 1, 33 Kehui Road,
Chaoyang District
Beijing, Beijing 100101
China
Ji, Weimin, Mr. President
0086-10-84373600
www.cgcoc.com.cn

CITIC Construction Co. Ltd.

27/F,Tower B,TYG Center ,C2
Dongsanhuan Beilu,Chaoyang District
,Beijing ,China
Beijing, Beijing 100027
China
Mr. Chen Xiaojia, Chairman
010-87996000
<http://www.ccc.citic.com>

Changjiang Inst. of Survey Planning Design

No. 1863, Jiefang Ave.
Wuhan, Hubei, 43010
China
Niu Xinqiang, Academician of Chinese
Academy of Engineering
86-27-82927515
www.cjwsjy.com.cn

China Aluminum International Eng'g Corp. Ltd.

Building C,No.99 Xingshikou
Road,Haidian District,Beijing,China
Haidian District,Beijing, Haidian
District,Beijing 100093
China
wu jianqiang
(8610)82406888/82406999
www.chalieco.com.cn

China Communications Construction Group Ltd.

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

China Dalian Int'l Econ. & Tech. Coop. Group Co. Ltd.

No.219, Huanghe Rd., Xigang Distr.,
Dalian, China
Dalian, Liaoning 116011
China
ZHU MING YI, CEO
(86) 411-83780401
<http://www.china-cdig.com>

China Electric Power Equipment And Tech. Co. Ltd.

No.8 Nanheng East Street
Xicheng District, Beijing , Beijing 100052
China
Jia Zhiqiang, Chairman
86-010-63412099
<http://www.cet.sgcc.com.cn>

China Energy Engineering Corp. Ltd.

Building 1, No.26, Xidawang Road,
Chaoyang District
Beijing, Beijing 100022
China
Song Hailiang, Chairman of the board
+86-10-59098923
<http://www.ceec.net.cn>

China Gansu Int'l Corp. for Econ. and Tech. Coop.

No.575 East Xijin Road, Lanzhou, Gansu
Province, China
Lanzhou, Gansu Province 730050
China

2021 Global Sourcebook Directory

Li Jianjun, Deputy General Manager
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, Beijing 100055
China
LU YI MIN, GENERAL MANAGER OF
GENERTEC
0086 10 63349621
www.genertec.com.cn

China Geo-Engineering Corp.

No. 92, Xiangshan South Road, Haidian
District, Beijing, China
Beijing, Beijing 100093
China
Hu Jianxin, President
0086-10-82408586
www.chinageo.com.cn

**China Henan Int'l Cooperation Group
Co. Ltd.**

No. 11 Dongming Road
Zhengzhou, Henan 450004
China
Mr. Wang Jianxin, Chairman of the Board;
President
00 86 371 66385599
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
Li Yinsheng, Executive Director
86-10-59302184
www.cwe.cn

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

5 West Beijing Road
Nanjing, Jiangsu 210008
China
Mr. Qinbo Song, Chairman of the Board
0086-25-83277713
<http://www.zjgj.com>

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

No. 1198 Fenghezhong Avenue,
Honggutan
Nanchang, Jiangxi Province 330083
China
Zhang Jianan, President
0086-791-86373154
www.cjic.cn

China Metallurgical Group Corp.

Room 3521, MCC Tower, No. 28 Shu guang
xi li, Chaoyang district
Beijing, Beijing 100028
China
Zhang Zhaoxiang, President
8610-59869430
<http://www.mcc.com.cn/>

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

Floor 5, HuiBin PLAZA, No. 8 Beichen Dong
Road, Chaoyang District
Beijing, Beijing 100101
China
Liu Hongguang, President & Legal
Representative
0086 10 64994173
<http://www.catic-eng.com/>

**China National Chemical Eng'g Group
Corp. Ltd.**

CNCEC building, No. 2 Dongzhimennei
Avenue, Dongcheng District
Beijing, Beijing 100007

2021 Global Sourcebook Directory

China

Mr. Dai Hegen, Chairman

86-010-56765670

www.cncec.com.cn

China National Complete Plant Imp. & Exp. Group

No. 9#, Xibinhe Road, Andingmen

Beijing, Beijing 100011

China

Zhang Zhaogang, Chairman of Board

0086-10-86623585

www.complant.com

China National Machinery Industry Corp.

No. 3 Danling Street, Haidian District

Beijing, Beijing 100080

China

Zhang Xiaolun, President

86 010-82688794

www.sinomach.com.cn

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

NFC Building, 10 Anding Road

Beijing, Beijing 100029

China

Qin Junman, Mr.

86-10-84427766

www.nfc.com.cn

China Petroleum Engineering Co. Ltd.

Hengyi Tower, 5 Anding Road, Chaoyang District

Beijing, Beijing 100029

China

Bai Yuguang, Chairman, Board of Directors

86-10-63596971

www.cpec.cnpc.com.cn

China Railway Construction Corp. Ltd.

No. 40 Fuxing Road

Beijing, 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

Liu Weiqun, Chairman of the Board

86-22-60373106

www.crdc.com

China Railway Group Ltd.

No.69 Fuxing Road, Haidian District

Beijing, Beijing 100039

China

Yun 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, Beijing 100029

China

Zhou Naixiang, Chairman

86-10-86498654

www.cscec.com

China Triumph International Engineering Co. Ltd.

27F, Zhongqi Building. No. 2000, North.

Zhongshan Road

Shanghai, Shanghai 200333

China

Liyun Ma, .

(86)21-52916280

<http://www.ctiec.net/>

China Wu Yi Co. Ltd.

Unit 1, 4/F Zhi Di Plaza, No. 89, Wu Si

Road

Fuzhou, Fujian Province 350003

2021 Global Sourcebook Directory

China

Lin Zhiying, Chairman of Board

86-591-83170100

www.Chinawuyi.com.cn

China Zhongyuan Engineering Corp.

No.140 Xizhimenwai Street, Xicheng

District

Beijing, 100044

China

Wang Yongfu, Chairman of the Board

86-10-62355635

<http://www.czec.com.cn>

Chongqing International Construction Corp.

No.80, XingGuang Rd., New North Zone,

Chongqing

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, Sichuan 611731

China

Yu Peigeng, President

86-28-87898660

www.dongfang.com.cn

Greenland Infra. Constr. Group Co. Ltd.

9F, Building A2, Greenland Bund, NO.658,
Zhongshan Rd.(s)

Shanghai, Shanghai 200010

China

Wu Weidong, Director of board

+86 189 1809 4495

www.ldjt.com.cn

Harbin Electric International Co. Ltd.

No.1299 Chuangxinyi Road, Songbei

District

Harbin, Heilongjiang 150028

China

GUO YU, Chairman

86 45158596368

www.china-hei.com

Hebei Construction Group Co. Ltd.

No.146 Youyi North St. Shijiazhuang,

Hebei, China

Shijiazhuang, Hebei 050000

China

Zhang Tianping, chief executive

86-311-68092835

<http://www.hbjgjt.cn>

Hunan Construction Engineering Group Co. Ltd.

No.788 South Furong Rd.

Changsha, Hunan 410001

China

Can Dianwei, President

86 73185628875

<http://www.chceg.com/>

JSTI Group

No.8 East Funchunjiang Road, Jianye

Distinct

Nanjing, 2100019

China

Xiaoning Zhu, President

(86)13851649737

www.jsti.com

Jianglian Heavy Industry Group Co. Ltd.

NO. 999, Fourth Aixihu Road, High-tech

Industrial Development Zone

Nanchang, Jiangxi 330096

China

Ji Fan, Chief Executive Officer

+86-791-85206968

www.jlianco.com

Jiangsu Nantong Sanjian Construction Group Co. Ltd.

No.588 HK Road

2021 Global Sourcebook Directory

Haimen, Jiangsu 226100

China

Huang Yuhui, President

86051382315208

www.ntsjs.cn

Jiangsu Provincial Construction Group Co. Ltd.

No.99, Yunlongshan Road

Nanjing, Jiangsu Province 210019

China

Qiu Tianqing, Chief Executive Officer

025-83433587

www.jpcec.com

Jiangsu Zhongnan Construction Industry Group Co.Ltd

Room 1705 of zhongnan,NO.899,Shanghai Rd,Haimen City

NANTONG, JIANGSU 226100

China

Hongwei Hu, Vice Chairman of the Board

86 13862907080

<http://zcb.zhongnangroup.cn/>

Jiangxi Water and Hydropower Constr. Co. Ltd.

No.32, Block C, Fusheng Xi Road,Qianyi

Construction Science and Technology

Industrial Park

NANCHANG, JIANGXI 330200

China

Zhang zhouping, Executive director

0086-791-86659819

www.jxschina.com

Longxin Construction Group Co. Ltd.

No. 1 East Beijing Rd., Haimen District

Nantong, Jiangsu 226100

China

Chen Zuxin, Chairman

0086-513-82212425

www.lxgroup.cn

Nantong Construction Group Co. Ltd.

136 Duanjiaba Rd.

Nantong, Jiangsu 226006

China

Zhang Xiangyang, President

86-513-89089796

www.ntjgit.com

Norinco International Cooperation Ltd.

NO.6 Zhengda Road,Shijingshan District

Beijing, Beijing 100040

China

Zhang Guanjie, Chairman of the Board

86 010 6813 7592

www.norinco-intl.com

Power Construction Corp. of China

No.22, Chegongzhuang West Road,

Haidian District,Beijing

Beijing, Beijing 100048

China

Yan ZhiYong, chief executive officer

86-10-58382380

<http://en.powerchina.cn>

Qingjian Group Co. Ltd.

5#, Nanhaizhi Road,Shinan District,

Shandong Province 266001

China

Wang Congyuan, CEO

0086-532-88258892

<http://www.cnqc.com>

SINOPEC Engineering (Group) Co. Ltd.

Building 8, Shenggujiayuan, Shenggu

Middle Road, Chaoyang District

BEIJING, 100029

China

Jiang Dejun, Executive Director and

President

0086-10-56730563

www.segroup.cn

Shandong Hi-Speed Group Co. Ltd.

No. 8 Long'ao North Road

2021 Global Sourcebook Directory

Jinan, Shandong Province 250098

China

Zhou Yong, Chairman

0086 531 89250285

<http://en.sdhsg.com/index>

Shandong Kerui Petroleum Equip. Co. Ltd.

233 Nan'er Road

Dongying City, Shandong Province

257077

China

Xingjun Bian, CEO

0546-6081888

www.keruigroup.com

Shandong Zijian Construction Group Co. Ltd.

No.53 Xingyuan East Road Zhangdian

District

Zibo, Shandong 255000

China

Xia Shuqiang, General Manager

8605332287656

[\[www.zj1949.com\]](http://www.zj1949.com)

Shanghai Construction Group Co. Ltd.

No.666, East Daming Road

Shanghai, Shanghai 200080

China

Xu Zheng, Chairman of the Board

0086-21-55885959

www.scg.com.cn

Shanghai Electric Group Co. Ltd.

No.110, Sichuan Zhong Road

Shanghai, Shanghai 201100

China

Zheng Jianhua, Chairman and CEO

+86(21)34116666

<https://www.shanghai-electric.com/>

Shanghai Urban Construction (Group) Corp.

No.1099 South Wanping Rd. Xuhui

District

Shanghai, 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, Shanxi 30032

China

Bo Sun, Chairman of the Board

0086-15035121219;0086-13753108338

www.sxcig.com

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

No. 20, Street No. 13, Economic &

Technological Development Zone,

Shenyang, Liaoning 110027

China

Liu, Futao, Executive Director

+86 024-2527 3533

<http://www.yuandacn.com>

Sinoma International Engineering Co. Ltd.

No. 16 Wangjing North Road, Chaoyang

District

Beijing, Beijing 100102

China

Mr.Yin Zhisong, CEO

008610-64399057

www.sinoma.com.cn

Sinopec Zhongyuan Petroleum Engineering Ltd.

277# Zhongyuan Road

Puyang City, Henan Province 457001

China

Zhang Bailing, chief executive officer

0086-0393-4824402

<http://www.zpebint.com>

2021 Global Sourcebook Directory

Sinosteel Equipment & Engineering Co. Ltd.

SINOSTEEL PLAZA, 8 HAIDIAN ST.,
HAIDIAN
BEIJING 100080
China
PENGCHENG LU, SENIOR ENGINEER
0086-10-62688188
<http://mecc.sinosteel.com>

TBEA Co. Ltd.

No. 189 South Beijing Road, Changji,
Xinjiang, China
Changji, Xinjiang 831100
China
Huang Hanjie, CEO
0086 994 6553079
www.tbea.com

XPCC Construction & Engineering (Group) Co. Ltd.

No. 113, Xinming Road,
Urumqi, Xinjiang, 830092
China
Xia jianguo, Vice chairman of the board of directors
0991-2639625
<http://www.xbjg.com>

Xian Electric Engineering Co. Ltd.

No. 7 TangXing Road
Xi'an, Shaannxi 710075
China
Xuhong Zhang, Executive Director
0086-29-88312666
<http://www.xianelectric.com.cn/>

Yanjian Group Co. Ltd.

No. 100 Nan Hong Street
Yantai, Shandong 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, Yunnan 650501
China
Mr. Chen Wenshan, Chairman of the
Board
13888279591
<http://www.ynjg.com/>

Zhejiang Communications Constr. Group Co. Ltd.

16F, Qianjiang Building, No. 2031
Jiangling Road, Binjiang District,
Hangzhou, Zhejiang 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, Zhejiang 310013
China
SHEN Defa, Chairman of the Board
0086-571-88235979
www.cnzgc.com

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

No. 1 Zhenxing Road
Dongyang, Zhejiang 322100
China
HU XUNHUA, General Manager
0579-86633708
<http://www.dy3j.com>

Zhengtai Group Co. Ltd.

Sanshui Street No. 888
TAIZHOU, JIANGSU 225500
China
Fan Hongfu, General Manager

2021 Global Sourcebook Directory

13641599930
www.ztjt.com.cn

Zhongding International Engineering Co. Ltd

No.18 GaoXin Er Rd.
Nanchang City, Jiangxi Province 330096
China
Zhao Guisheng, President
+86-0791-88117581
www.ziec-e.com

Zhongmei Engineering Group Ltd.

No.1177, Jiulong avenue , Honggutan
District
Nanchang, Jiangxi 330100
China
ZHANG MINGFENG, PRESIDENT
0086-791-85210611
<http://www.jxzhongmei.com/>

Denmark

COWI A/S

Parallelvej 2
Kongens Lyngby, DK - 2800
Denmark
Lars-Peter Sørbye, Chief Executive Officer
+45 56402042
www.cowi.com

Per Aarsleff Holding A/S

Hasselager Allé 5
Viby J, 8260
Denmark
Jesper K. Jacobsen, General Manager
+45 8744 2222
www.aarsleff.com

Ramboll Group A/S

Hannemanns Allé 53
Copenhagen, 2300
Denmark
Jens Peter Saul, Group Chief Operating
Officer, Markets

45 5161 1000
www.ramboll.com

Egypt

AMG Al Amar Consulting Group SA

20 Street 302, New Maadi
Cairo, P.O. Box 50, Sakr Koraish, Maadi
11931
Egypt
Wahid Michel, President & CEO
+20- 2 - 2517 76 70 -5
www.alamargroup.com

Distance Studio Consultants

26 Gizert Al Arab Street, Mohandeseen
Giza
Egypt
Marwan Kamal, Chairman
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

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

1(A), Ahmed El Zomor st, 8th District,
Nasr City
Cairo, 11361
Egypt
Eng. Ashraf Bahaa, Chairman & CEO
+202 22762137
www.enppi.com

Hassan Allam Holding

Cairo, Egypt
Cairo, 11361
Egypt
Hassan Allam, CEO

2021 Global Sourcebook Directory

+2 (02) 2265 9000

<http://www.hassanallam.com>

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

Plot 21~26 – Sector 1, City Center, 5th
Settlement

New Cairo, 11835

Egypt

Waleed Lotfy, CEO & Managing Director

002 26734000

<http://www.petrojet.com.eg>

**The Arab Contractors Co. (Osman
Ahmed Osman)**

34 Adly Street Cairo

Cairo, 11534

Egypt

Sayed Farouk, Mr.

201110988939

<https://www.arabcont.com/english/>

France

Artelia

16 rue Simone Veil

Choisy le Roi, 93400

France

CLOCHERET Benoît, CEO

33476334000

www.arteliagroup.com

Assystem

9/11 allée de l'Arche

Courbevoie, 92 671

France

Dominique Louis, Founding Chairman

www.assystem.com

Bouygues

32 avenue Hoche

Paris, 75378 Cedex 08

France

Olivier Roussat, CEO

33144201000

www.bouygues.com

EGIS

15 avenue du Centre

Guyancourt, 78286

France

Laurent Germain, Chief Executive Officer

33139414000

www.egis.fr

Eiffage

3-7 place de l'Europe

Vélizy-Villacoublay, 78140

France

Benoît de Ruffray, Chairman and Chief

Executive Officer of Eiffage

01 34 65 89 89

<https://www.eiffage.com/>

INGEROP

18 rue des deux gares

Rueil Malmaison, 92563

France

Yves METZ, Chairman

33149045500

Ingerop.com

SETEC

Immeuble Central Seine, 42- 52 quai de la
Rapée

Paris, 75012

France

Michel KAHAN, President & CEO

33182515736

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

1 cours Ferdinand de Lesseps

Rueil-Malmaison, 92851

2021 Global Sourcebook Directory

France

Xavier HUILLARD, Chairman and Chief Executive Officer

+33 1 47 16 40 00

www.vinci.com

Germany

BAUER AG

BAUER-Strasse 1

Schrobenhausen, 86529

Germany

Arnulf Christa, Dipl.-Ing./Chairman

Management Board

+49 8252 971178

<http://www.bauer.de>

CES Consulting Engineers Salzgitter GmbH

Nordstr. 21

Braunschweig, 38106

Germany

Dr.-Ing. Ralf Meyerhoff, Managing

Director

49 531 31704 0

www.ces.de

Dorsch Holding GmbH

Hugo-Eckener-Ring

Frankfurt am Main, 60549

Germany

Olaf Hoffmann, CEO

49691302570

www.dorsch.de

Drees & Sommer

Obere Waldplätze 13

Stuttgart, 70569

Germany

Steffen Szeidl, Vorstand

+49 711 13170

www.dreso.com

Ed. Zublin AG

Albstadtweg 3

Stuttgart, 70567

Germany

Dr. Alexander Tesche, Member of the Board

4971178839333

www.zueblin.de

Exyte GmbH

Loewentorbogen 9b

Stuttgart, 70376

Germany

Dr. Wolfgang Buechele, CEO and

Chairman

4971188040

www.exyte.net

Fichtner Group

Sarweystr. 3

Stuttgart, 70191

Germany

Dr. Andreas Weidler, Managing Director and CEO

+49 711 89950

www.fichtner.de

HOCHTIEF AG

Alfredstrasse 236

Essen, 45133

Germany

Marcelino Fernández Verdes, CEO

0201-8240

www.hochtief.de

Greece

Associated Consulting Engineers

4, FRANGOKLISSIAS AVENUE

AMAROUSSION, 15125

Greece

HANI HAKIM, CHAIRMAN

+30 210 6105090

WWW.ace-intl.com

Consolidated Contractors Group

62B KIFISSIAS AVE., MAROUSSI

ATHENS, 15110

Greece

2021 Global Sourcebook Directory

SAMER S. KHOURY, CHAIRMAN
+30 210 6182000
www.ccc.net

India

Afcons Infrastructure Ltd.

Afcons House, 16 Shah Industrial Estate,
Veera Desai Road, Azad Nagar, P.O. Box.
11978, Andheri(W), Mumbai - 400053
Mumbai, 400053
India
Mr. S. Paramasivan, Managing Director
+91-22-67191100
www.afcons.com

Larsen & Toubro Ltd.

979, Mount Poonamallee Road
Chennai, 600089
India
S. N. Subrahmanyam, Chief Executive
Officer & Managing Director
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.com

Tata Projects Ltd.

1-7-80 to 87, Prenderghast Road,
Secunderabad,, 500003
India
Vinayak K Deshpande, Managing Director
+91-40-66238801
www.tataproyects.com

Iran

Blue&P Infrastructure Group

16 Naqdi, North Mofateh
Tehran, 1576635511
Iran

Pouya Parsa, President
+98-21-91072222
www.blueandpgroup.com

Ireland

Nicholas O'Dwyer Ltd.

Unit E4 Nutgrove Office Park, Nutgrove
Avenue, Rathfarnham
Dublin, D14V3F6
Ireland
Jim Oliver, Managing Director
35312969000
www.nodwyer.com

PM Group

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

Israel

Electra Ltd.

2 Jabotinsky Street, Amot Atrium Building
Ramat Gan, 5250501
Israel
Itamar Deutscher, CEO
+972-3-7535666
<http://www.electra.co.il/en>

Italy

Bonatti Group

Via Nobel 2/A
Parma, 43122
Italy
PAOLO GHIRELLI, ENG.
3905216091
www.bonatti.it

Cimolai SA

Viale Pasteur, 49
Roma, 144
Italy

2021 Global Sourcebook Directory

Carmelo Bottecchia, Engineer
4345581
www.cimolai.com

Danieli & C. O.M. SpA

Via Nazionale 41
Buttrio (UD), 33042
Italy
Giacomo Mareschi Danieli, eng.
3904321958763
www.danieli.com

GEODATA Engineering SpA

CORSO BOLZANO 14
TORINO, 10121
Italy
HUANG GANG, ENGINEER
+39-011-5810611
www.geodata.it

Ghella SpA

VIA PIETRO BORSIERI, 2A
ROME, 195
Italy
ENRICO GHELLA, CHAIRMAN
-39.00001315700029
WWW.GHELLA.COM

ITINERA SpA

Via Mario Balustra, 15
Tortona, 15057
Italy
Massimo Malvagna, Civil Engineer
+39 01318691
www.itinera-spa.it

Impresa Pizzarotti & C. SpA

VIA ADORNI, 1
PARMA, 43121
Italy
CARLO LUZZATTO, CORPORATE CEO
.
www.pizzarotti.it

Italconsult SpA

Via di Villa Ricotti no. 20
Rome, 161
Italy
Antonio Bevilacqua, CEO
+39 06 4417321
www.italconsult.com

Maire Tecnimont SpA

Via Gaetano de Castillia 6A
Milan, 20124
Italy
PIERROBERTO FOLGIERO, MR
www.mairetecnimont.it

Rizzani de Eccher SpA

Via Buttrio, 36
Pozzuolo del Friuli - Udine, 33050
Italy
Marco de Eccher, Chairman
+39 0432 6071
www.rizzanideccher.com/index.asp

Saipem SpA

VIA MARTIRI DI CEFALONIA, 67
Milan, 20097
Italy
FRANCESCO CAIO, CEO
390244231
www.saipem.com

SICIM SpA

Via Consolatice Superiore 96/98
Busseto, 43011
Italy
ATTILIO CAGNANI, nan
39 0524 930211
www.sicim.eu

Trevi Finanziaria Industriale SpA

Vis Dismano, 5819
Cesena, 47522
Italy
Giuseppe Caselli, CEO

2021 Global Sourcebook Directory

39 0547 319311
www.trevispa.com

webuild SpA

Via dei Missaglia 97
Milan, 20142
Italy
Pietro Salini, CEO
+39 0244422111
www.webuildgroup.com

Japan

CTI Engineering Group

3-21-1 Nihombashi Hamacho
Chuo-ku, 103-8430
Japan
Tetsumi Nakamura, Managing Director & President
+81-3-3668-0370
www.ctie.co.jp

Chiyoda Corp.

4-6-2 Minatomirai Grand Central Tower
Minatomirai Nishi-ku Yokohama, 220-8765
Japan
Kazushi Okawa, Representative Director
Chairman of the Board & CEO
81-45-225-7777
<https://www.chiyodacorp.com/en/>

Chodai Group

1-20-4 Nihonbashi, Kakigara-cho, Chuo-ku
Tokyo, 103-0014
Japan
Yasuji NAGAYA, President
+81-3-3639-3301
www.chodai-group.com

JGC Holdings Corp.

Minato Mirai, Nishi-ku,
Yokohama, 220-6001
Japan
Masayuki Sato, Representative Director,

Chairman and Chief Executive Officer
81-45-682-1111
<https://www.jgc.com/en/>

Kajima Corp.

3-1, Motoakasaka 1-chome, Minato-ku
Tokyo, 107-8388
Japan
Yoshikazu Oshimi, President,
Representative Director
+81-3-5544-1111
www.kajima.co.jp

Kinden Corp.

2-1-21 Kudan-Minami
Chiyoda, 102-8628
Japan
Mr. Takao Uesaka, President
+81-3-5210-7105
www.kinden.co.jp

Maeda Corp.

2-10-2 Fujimi,
Chiyoda-ku, 102-8151
Japan
Soji MAEDA, President
+81-3-3265-5551
<http://www.maeda.co.jp>

Nihon Suido Consultants Co. Ltd.

6-22-1, Nishi-shinjuku
Shinjuku-ku, 163-1122
Japan
Kazunori Mayama, CEO & President
+81-3-5323-6260
<http://en.nissuicon.co.jp/>

Nippon Koei Group

4 Kojimachi 5 Chome Chiyoda-ku
Tokyo, 102-8539
Japan
Haruhiko KANAI, Acting Director
General/Senior Managing Executive Officer
www.n-koei.co.jp/english/index.html

2021 Global Sourcebook Directory

Obayashi Corp.

Shinagawa Intercity Tower B, 2-15-2,
Konan
Minato-ku, 108-8502
Japan
Kenji Hasuwa, Representative Director
President
81-3-5769-1014
<https://www.obayashi.co.jp/en/>

Oriental Consultants Global

3-12-1, Honmachi
Shibuyaku, 151-0071
Japan
Hidenori Nozaki, President
81-3-6311-6641
<https://www.oriconhd.jp/english/index.html>

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
Tokyo, 104-8370
Japan
Yoichi Miyamoto, Chairman of the Board
& Presentative Director
03-3561-1111
<https://www.shimz.co.jp/en/>

Sumitomo Mitsui Construction Co. Ltd.

2-1-6 Tsukuda
Chuo-ku, 104-0051
Japan
Hideo Arai, Chairman & CEO
+81-3-4582-3173
<https://www.smcon.co.jp/en/>

Taisei Corp.

1-25-1, Nishishinjuku, Shinjuku-ku
Tokyo, 163-0606
Japan
Mr. Yoshiro Aikawa, President and Chief
Executive Officer
+81-3-3348-1111
<https://www.aisei.co.jp/english/>

Takenaka Corp.

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

Toyo Engineering Corp.

8-1, Akanehama 2-chome
Narashino-shi, 275-0024
Japan
Haruo Nagamatsu, President & CEO
+81-47-451-1111
www.toyo-eng.com

Yachiyo Engineering Co. Ltd.

5-20-8, CS tower
Asakusabashi, 111-8648
Japan
Shigemitsu Demizu, President
03-5822-2900
<https://www.yachiyo-eng.co.jp/>

Jordan

Arabtech Jardaneh

3 Tabasheer 5, 7th Circle
Amman, 11191
Jordan
Hamzeh Awwad, Chief Executive Officer
+962-6-585 7167
www.aj-group.com

Consolidated Consult. for Eng'g & Env. (CC Group)

2021 Global Sourcebook Directory

73 Al Mutanabi Street
Amman, 11183/830746
Jordan
Fahed Abujaber, Chief Executive Officer -
Vice Chairman
96264612377
www.group-cc.com

Engicon

127 Ahmad Bin Hanbal Street
Amman, 11190
Jordan
Tarek Zuriekat, Chief Executive Officer
+962 6 4602120
www.engicon.com

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 KFTZ
Kuwait, 13037
Kuwait
Donna Sultan, President and CEO
96524616000
www.keoic.com

Lebanon

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

C.A.T. Building, Al Arz Street, Saifi Quarter
Beirut, 1107 2070, P.O.Box 11-1036
Lebanon
JOSEPH GEBARA, CHIEF EXECUTIVE
OFFICER
9611440400
www.catgroup.net

Khatib & Alami

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

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

Netherlands

Arcadis NV

Gustav Mahlerplein 97-103
Amsterdam, 1082MS
Netherlands
Peter Oosterveer, Chief Executive Officer
+31 202011011
www.arcadis.com

Bilfinger Tebodin

Laan van Nieuw Oost-Indië 25
The Hague, P.O. Box 16029, 2500 BA The
Hague
Netherlands
Wim van den Brink, CEO
+31 889967594
www.tebodin.bilfinger.com

Fugro NV

Veurse Achterweg 10
Leidschendam, 2260
Netherlands
M. Heine, Chief Executive Officer
31 70 31 11 112
www.fugro.com

2021 Global Sourcebook Directory

Royal BAM Group nv

Runnenburg 9
Bunnik, 3981 AZ
Netherlands
Ruud Joosten, CEO
+31 30 659 89 88
www.bam.com

Royal Boskalis Westminster NV

Rosmolenweg 20
Papendrecht, 3356LK
Netherlands
P.A.M. Berdowski, Dr.
31786969000
www.boskalis.com

Royal HaskoningDHV

Laan 1914 no. 35
Amersfoort, 3818EX
Netherlands
Erik Oostwegel, Chief Executive Officer
+31 88 348 20 00
<https://www.royalhaskoningdhv.com/>

Van Oord N.V.

Schaardijk 211
Rotterdam, 3063 NH
Netherlands
Pieter van Oord, Chief Executive Officer
+31 88 826 0000
www.vanoord.com

New Zealand

Beca Group Ltd.

21 Pitt Street
Auckland, 1041
New Zealand
Greg Lowe, Group Chief Executive
+64 9 300 9000
www.becca.com

Saudi Arabia

Zuhair Fayeze Partnership Consultants

6409 King AbdulAziz Road Ar-Rabea

District

Riyadh, 13316-2711
Saudi Arabia
AbdulAziz M. Al Assaf, Chief Executive Officer
00966-11-4048484
www.zfp.com

Serbia

Energoprojekt Holding PLC

Bulevar Mihaila Pupina 12, PO BOX 20
Belgrade, 11070
Serbia
Stojan Čolaković, CEO
381113101030
www.energoprojekt.rs

Singapore

RSP Architects Planners & Engineers

1 Kallang Junction #03-01
Singapore, 339263
Singapore
Chan Lay Hoon, Chairman
67377544
www.rsp.sg

Surbana Jurong Private Ltd.

168 Jalan Bukit Merah Connection One
#01-01
Singapore, 150168
Singapore
Heang Fine WONG, Group CEO
6562481288
www.surbanajurong.com

South Africa

Zutari (Pty) Ltd.

Riverwalk Office Park, 41 Matroosberg
Road, Ashlea Gardens, Extension 6
Tshwane, 81
South Africa
Gustav Rohde / Teddy Daka, Joint Chief Executive Officers

2021 Global Sourcebook Directory

+27 12 427 2000

www.zutari.com

South Korea

DL E&C Co. Ltd.

D-Tower Donuimun, 134, Tongil-ro

Seoul, 3181

South Korea

Changmin 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

Mr. Hyung Kim, President

+82 02 2288 3114

www.daewooenc.com

Dohwa Engineering Co. Ltd.

438, Samseong-ro, Gangnam-gu, Seoul.

South Korea

Seoul, 6178

South Korea

Young-Yoon Kim, Chairman

+82-2-6323-3243

www.dohwa.co.kr

GS Engineering & Construction

Gran Seoul, 33 Jong-ro, Jongro-gu

Seoul, 3159

South Korea

Forest Lim, Vice Chairman

82-2-2154-2020

www.gsenc.com/en

Hanwha Engineering & Construction

86 Cheonggyecheon-Ro

Seoul, 7320

South Korea

82-2-729-5589

www.hwenc.co.kr

Heerim Architects & Planners Co. Ltd.

39, Sangil-ro 6-gil, Gangdong-gu

Seoul, 5288

South Korea

Young Kyoon Jeong, CEO, Chair of Board

+82-2-3410-9000

www.heerim.com

Hyundai Engineering & Construction Co. Ltd.

Hyundai Building, 75 Yulgok-ro, Jongno-gu, Seoul, Republic of Korea

Seoul, 3058

South Korea

Mr. Young-Joon YOON, President & CEO

+82 2 746 3987

<https://en.hdec.kr>

Hyundai Engineering Co. Ltd.

75, Yulgok-Ro, Jongno-Gu

Seoul, 3058

South Korea

Chang-Hag Kim, President / CEO

+82 2 2134 1114

<http://www.hec.co.kr/en>

KEPCO Engineering & Construction Co. Inc.

269 Hyeoksin-ro

Gimcheon-si, 39660

South Korea

KIM, Sung-Arm, President & CEO

+82-54-421-4268

www.kepco-enc.com

POSCO Engineering & Construction

180, Daesong-ro, Nam-gu

Pohang-si, 37863

South Korea

SUNG HEE, HAN, President

82-32-748-2671

www.poscoenc.com

SK Ecoplant

32 Insadong 7-gil, Jongno-gu

2021 Global Sourcebook Directory

Seoul, 3149
South Korea
Jae Hyun, Ahn, President & CEO
+82 2 3700 7114
www.skecoplant.com

Samoo Architects & Engineers

1077, Cheonho-daero
Seoul, ASI KR KS013
South Korea
Park, Do Kwon, CEO
www.samoo.com

Samsung C&T Corp.

26, Sangil-ro 6-gil, Gangdong-gu
Seoul, 5288
South Korea
SECHUL OH, President & CEO
+82-2-2145-5114
www.secc.co.kr

Samsung Engineering Co. Ltd.

SAMSUNG GEC, Sangil-ro 6gil 26,
Gandong-gu
Seoul, 5288
South Korea
Sung An Choi, President/CEO
+82 2 2053 3000
www.samsungengineering.com/

Ssangyong Engineering & Construction Co. Ltd.

299, Olympic-ro, Songpa-gu
Seoul, 5510
South Korea
Suk Joon Kim, Chairman & CEO
82-2-3433-7114
www.ssyenc.com

Spain

ACS Actividades de Construcción y Servicios SA

Avenida de Pio XII 102
Madrid, 28036
Spain

Marcelino Fernandez Verdes, CEO
+ 34 91 343 92 00
www.grupoacs.com

AYESA

Marie Curie, 2 - Edificio Ayesa. PCT
Cartuja
Seville, 41092
Spain
Jose luis Manzanares Abásolo, CEO
+34 954467046
www.ayesa.com

Abengoa

Calle Energia Solar 1
Seville, 41014
Spain
Joaquín Fernández de Piérola, CEO
954937000
www.abengoa.com

Empresarios Agrupados Internacional SA

Magallanes, 3
Madrid, 28015
Spain
Javier Perea, Chief Executive Officer
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
Ignacio Madrdejos, Mr
<https://www.ferrovial.com/en-us/>

2021 Global Sourcebook Directory

Grupo Empresarial San Jose SA

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

IDOM

Zarandoa 23
Bilbao, 48015
Spain
Luis Rodriguez, President
+34 94 479 76 00
www.idom.com

Ingenieria Y Economia Del Transporte SA (INECO)

Paseo de la Habana nº 138
Madrid, 28036
Spain
Carmen Librero, President
0034 91 4521200 ext 1449
www.ineco.com

Sacyr

CONDESA DE VENADITO 7
MADRID, 28027
Spain
Manuel Manrique, President and CEO
34915455000
www.sacyr.com

Sener Grupo de Ingenieria SA

Avda. Zugazarte, 56
Getxo, 48930
Spain
Jorge Sendagorta Cudós, chief executive
officer
34944817510
www.group.sener

Tecnica y Proyectos SA (TYP SA) GOMERA Nº 9

SAN SEBASTIAN DE LOS REYES, 28703
Spain
PABLO BUENO TOMAS, CEO
34917227300
www.typsa.com

Tecnicas Reunidas SA

AVENIDA DE BURGOS 89, ADEQUA 6
MADRID, 28050
Spain
Mr Juan Lladó, Chairman CEO
34915920300
www.tecnicasreunidas.es

Vepica Grupo Internacional SLU

Calle Velasquez 94, 1era planta
Madrid, 28006
Spain
Miguel Bocco, Chief Executive Officer
17134291246
www.vepica.com

Sweden

AFRY

Frösundaleden 2A
Solna, 169 75
Sweden
Jonas Gustavsson, President and CEO
46 10 505 00 00
afry.com

Skanska AB

Warfvings väg 25
Stockholm, SE-112 74
Sweden
Anders Danielsson, CEO
46734101489
www.skanska.com

Sweco

Gjorwellsgatan 22
Stockholm, 100 26
Sweden
Åsa Bergman, President & CEO

2021 Global Sourcebook Directory

+46 8 695 60 00

www.swecogroup.com

Taiwan

CTCI Corp.

89, Sec. 6, Zhongshan North Road

Taipei, 11155

Taiwan

Todd Chen, President

886-2-28339999

www.ctci.com

Sinotech Engineering Consultants Ltd.

14F, No. 171 Nanking East Road Section 5,

Songshan District

Taipei City, 10570

Taiwan

+886-27698388

<https://www.sinotech.com.tw/>

Tunisia

STUDI International

28, Rue de l'île de Zembretta, Les Jardins

du Lac, Lac II

Tunis, 1053

Tunisia

Mohamed BEN YOUSSEF, Chief Executive Officer

+216.70.021.000

www.studi.com.tn

Turkey

Alarko Contracting Group

Dikilitas Mah. Emirhan Cad. Barbaros

Plaza Is Merkezi No:113/C Kat:3 Besiktas

Istanbul, 34349

Turkey

Ayhan Yavrucu, Chief Executive Officer

902129535700

www.alsimalarko.com.tr

Ant Yapi Industry & Trade Inc.

Saray Mahallesi, Akçakoca Caddesi, No:11

Ümraniye

Istanbul, 34768

Turkey

KADIR TOKMAN, Chairman/Co-founder

+(90) (216) 630 67 67

www.antyapi.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

[http://www.aslan-](http://www.aslan-yapi.com.tr/index.php/en/Anasayfa)

[yapi.com.tr/index.php/en/Anasayfa](http://www.aslan-yapi.com.tr/index.php/en/Anasayfa)

Calik Enerji Sanayi ve Ticaret AS

Buyukdere Caddesi No 163, Zincirlikuyu, Sisli

Istanbul, 34394

Turkey

Onur Yucekal, CEO

902123065100

www.calikenerji.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

90 312 408 00 00

www.eser.com

2021 Global Sourcebook Directory

Esta Insaat Sanayi Lojistik ve Dis Ticaret AS

Acibadem Mahallesi Cecen Sokak No:27
Kapi No:1
Istanbul, 34660
Turkey
ERDAL GUNER, CHIEF EXECUTIVE
OFFICER
902166810037
www.estacons.com

GAP INSAAT YATIRIM VE DIS TICARET AS

Büyükdere Cad. No:163 Esentepe -
Zincirlikuyu
Istanbul, 34394
Turkey
Sadettin Korkmaz, GENERAL MANAGER
902123065000
www.gapinsa.com

Gulermak

Konya Yolu 23.Km No:111, Gölbaşı
Ankara, 6830
Turkey
Kemal Güleriyüz, Chairman
903124841489
http://www.gulermak.com.tr/

ILK Construction

Yenisehir Mah. Arif Sk. No:2 Atasehir
Istanbul, 34779
Turkey
Yasin Selami Erdogan, Arif Yesiltepe, 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

KUZU Group

Yesilkod Cad. No: 19 Florya
Istanbul, 34153
Turkey
Ozen KUZU, Mr
902126632666
www.kuzugrup.com

Kolin Insaat Turizm Sanayi ve Ticaret AS

Horasan Sokak NO:14 GOP
Ankara, 6680
Turkey
Naci Koloğlu, Chairman of the Board
+90 312 447 17 00
www.kolin.com.tr

LIMAK INSAAT SANAYI VE TICARET AS

HAFTA SOKAK NO:9 GOP CANKAYA
ANKARA, 6700
Turkey
FEYİZ GENC, BOARD MEMBER
903124468800
www.limak.com.tr

Metag Group

Konutkent Mah. 3028. Cad. No: 6/29
Ankara, 6810
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 Yazici, CEO
903122203095
www.nky.com.tr

Nata Insaat Turz. Tasimacilik Tic. Ve San. AS

PLEVNE MAH. ÇATALCA SOK. NO:238
ANKARA, 6930

2021 Global Sourcebook Directory

Turkey

NAMIK TANI, CHAIRMAN OF THE
BOARD OF DIRECTORS

903122691232

www.nataholding.com

Nurol Construction and Trading Co. Inc.

Nurol Plaza, Büyükdere Caddesi, No:255,
Maslak, Sarıyer

İstanbul, 34485

Turkey

Nurettin Akdeniz, General Manager

+90 212 286 80 10

www.nurolconstruction.com

Onur Taahhut Tasimacilik Insaat Tic. Ve Sanayi AS

MUSTAFA KEMAL MAH. 2118 CADDE B

BLOK NO: 4B/118 ÇANKAYA

ANKARA, 6550

Turkey

İHSAN ÇETİNCİVİZ, 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

SAMIL POLAT, VICE CHAIRMAN,

GENERAL MANAGER

902163250686

www.polatyol.com

Renaissance Construction

Çankaya Mahallesi Atatürk Bulvarı

No:144-146, Çankaya

Ankara, 6690

Turkey

Cenk Düzyol, MR/Global CEO

+90 312 840 1000

www.rencons.com

SMK Group

Çetin Emeç Bulvarı 1314. Cadde. No:19

Öveçler

Ankara, 6460

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

SU-YAPI Engineering and Consulting Inc.

Mustafa Kemal Mahallesi 2128. Sokak

No:6

Ankara, 6530

Turkey

Ali Canoglu, General Manager

903124413226

www.suyapi.com.tr

Sembol Uluslararası Yatırım Tarım Peyzaj Insaat

HARBIYE MAHALLESİ, DARULBEDAI

CAD. İSTANBUL KONGRE MERKEZİ NO:3

İSTANBUL, 34367

Turkey

ALI TAMINCE, CEO

+90 212 375 19 00

www.sembolinsaat.com.tr

Summa Turizm Yatırımcılığı AS

27 ARALIK SOK. NO:3

CANKAYA, 6690

Turkey

SELİM BORA, PRESİDENT

903124413747

www.summa.com.tr

2021 Global Sourcebook Directory

TAV CONSTRUCTION

VADISTANBUL BULVAR, AYAZAGA
DISTR, CENDERE RD, BLOCK-1B, LEVEL
19, NO:109B/43
ISTANBUL, 34396
Turkey
M. SANI SENER, PRESIDENT & CEO
+90 212 463 30 00
www.tavconstruction.com

Tekfen Construction and Installation Co. Inc.

Tekfen Tower, Büyükdere Cad. No: 209, 4.
Levent
İstanbul, 34594
Turkey
Mr. Ali Aydın Pandır, CEO
902123593500

Tekfen Engineering Inc. Co.

Premier Kampus Ofis, Gursel Mahallesi
Imrahor Caddesi B Blok. No:29 Kat:3
34400 Kagıthane / Istanbul / TURKEY
Istanbul, 34400
Turkey
Fatih Can, President
(+90.212) 357 03 03
www.tekfenmuhendislik.com

Tepe Insaat Sanayi AS

BEYTEPE KOU YOLU NO:5
ANKARA, 6800
Turkey
Orhan Koral, Board of Directors,
Chairman
0090 312 266 5800
www.tepe.com.tr

Ustay Yapi Taahhut Ve Ticaret AS

AHI EVRAN CAD. NO.21 K.11 MASLAK
SARIYER
ISTANBUL, 34485
Turkey
MURAT USTAY, GENERAL MANAGER

902123460112
www.ustay.com

Yapi Merkezi Insaat Ve Sanayi AS

Haci Reşit Pasa Sokak, No: 4A, Uskudar
Istanbul, 34676
Turkey
Mustafa Basar ARIOGLU, Chairman of the
Board of Directors
+90 216 321 90 00
www.yapimerkezi.com.tr

Yuksel Insaat Co. Inc.

SOGUTOZU CAD. NO:14/A-B
BEŞTEPELER YENİMAHALLE
ANKARA, 6560
Turkey
BULENT GUNGOR, PRESIDENT
903122842545
www.yuksel.net

U.A.E.

Architecture & Planning Group

#502, Al Masoud Tower, Hamdan Street
Abu Dhabi, 2883
U.A.E.
Mr. Yasser Sharawy, CEO -KSA, Egypt,
Dubai, Al Ain
+971 2 6333022
www.apgarch.com

Dar Group

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

Dewan Architects + Engineers

401B / 4th Floor / Dubai Design District
Dubai, 60990
U.A.E.
Ammar Al Assam, CEO

2021 Global Sourcebook Directory

97142402010

www.dewan-architects.com

Orascom Construction PLC

Office 301-303, Gate Village 1, DIFC

Dubai, 507031

U.A.E.

Osama Bishai, Chief Executive Officer

971 4 318 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

U.K.

Arup Group Ltd.

8 Fitzroy Street

London, W1T 4BJ

U.K.

Alan Belfield, Chair

020 7636 1531

www.arup.com

Mott MacDonald

Mott MacDonald House, 8-10 Sydenham Road

Croydon, CR0 2EE

U.K.

Mike Haigh, Executive Chair

+44 (0)20 8774 2000

www.mottmac.com

Petrofac Ltd.

44 Esplanade, St Helier

Jersey, JE49WG

U.K.

Sami Iskander, Chief Executive Officer

+44 20 7811 4900

www.petrofac.com

Wood

15 Justice Mill Lane

Aberdeen, AB11 6EQ

U.K.

Robin Watson, Chief Executive

+44 1224 851000

woodplc.com

U.S.A.

AECOM

1999 Avenue of the Stars, Suite 2600

Los Angeles, Calif. 90067

U.S.A.

Troy Rudd, Chief Executive Officer

APTIM

4171 Essen Lane

Baton Rouge, La. 70809

U.S.A.

Mark Fallon, Chairman & CEO

833-862-7846

www.aptim.com

Adrian Smith + Gordon Gill

Architecture

30 W. Monroe, Suite 400

Chicago, Ill. 60603

U.S.A.

Adrian Smith, Partner, CEO

312-920-1888

<http://smithgill.com/>

Aegion Corp.

17988 Edison Avenue

Chesterfield, Mo. 63005

U.S.A.

Charels R. Gordon, Chief Executive Officer

636-530-8000

www.aegion.com

Affiliated Engineers Inc.

5802 Research Park Blvd

Madison, Wis. 53719

U.S.A.

Geoff McMahon, PE, LEED AP, NCEES,

2021 Global Sourcebook Directory

Principal, President
608-238-2616
aeieng.com

Alberici-Flintco

8800 Page Avenue
St. Louis, Mo. 63114
U.S.A.
Peter Kozicz, CEO
314-733-2000
www.alberici.com

Atlas Group

25600 Westheimer Parkway Suite 110
Katy, Texas 77494
U.S.A.
Yilmaz Barin, CEO
7135326000
www.atlas-grup.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

BRPH Architects Engineers Inc.

5700 N Harbor City Blvd., Suite 400
Melbourne, Fla. 32940
U.S.A.
Brian Curtin, President, Chairman of the Board
321-254-7666
www.brph.com

Barnard Construction Co. Inc.

701 Gold Ave
Bozeman, Mont. 59715
U.S.A.
Jeff Higgins, CEO
4065861995
www.barnard-inc.com

Barr Engineering Co.

4300 MarketPointe Drive, Suite 200
Minneapolis, Minn. 55435
U.S.A.
John Lee, Chief Executive Officer
(952) 832-2600
https://www.barr.com/

Barton Malow Holdings LLC

26500 American Drive
Southfield, Mich. 48034
U.S.A.
Ryan Maibach, President and CEO
(248) 436-5000
www.bartonmalow.com

Bechtel

12011 Sunset Hills Road, Suite 110
Reston, Va. 20190
U.S.A.
B. Bechtel, CEO
571-392-6300
www.bechtel.com

Black & Veatch

11401 Lamar Ave
Overland Park, Kan. 66211
U.S.A.
Steve Edwards, Chairman & CEO
913-458-2000
www.bv.com

Burns & McDonnell

9400 Ward Parkway
Kansas City, Mo. 64114
U.S.A.
Ray Kowalik, Chairman and CEO
burnsmcd.com

CDM Smith

75 State St
Boston, Mass. 02109
U.S.A.
Tim B. Wall, Chairman of the Board and Chief Executive Officer

2021 Global Sourcebook Directory

617-452-6000

www.cdmsmith.com

CRB

1251 NW Briarcliff Parkway, Suite 500

Kansas City, Mo. 64116

U.S.A.

Jeff Biskup, Chief Executive Officer

(816)880-9800

www.crbgroup.com

Caddell Construction Co. (DE) LLC

445 Dexter Avenue, Ste. 11000

Montgomery, Ala. 36104

U.S.A.

B. Eddie Stewart, President and Chief
Executive Officer

334-272-7723

www.caddell.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

DLZ Corp.

6121 Huntley Road

Columbus, Ohio 43229

U.S.A.

Vikram (Raj) Rajadhyaksha, P.E.,

Chairman & CEO

614-888-0040

www.dlz.com

DPR Construction

1450 Veterans Blvd

Redwood City, Calif. 94063

U.S.A.

Douglas Woods, Chief Executive Officer

650-474-1450

www.dpr.com

Day & Zimmermann

1500 Spring Garden Street

Philadelphia, Pa. 19130

U.S.A.

Harold L Yoh, III, Chairman & CEO

215-299-8000

www.dayzim.com

Dennis Group

1537 Main Street

Springfield, Mass. 01103

U.S.A.

Tom Dennis, President & CEO

413.787.1785

www.dennisgroup.com

ECC

1240 Bayshore Hwy.

Burlingame, Calif. 94010

U.S.A.

Manjiv S. Vohra, DBIA, PE, President &
CEO

650-347-1555

www.ecc.net

EXP

205 N Michigan Ave, Suite 3600

Chicago, Ill. 60601

U.S.A.

Ivan Dvorak, Chairman and CEO

312.616.0000

www.exp.com

Farnsworth Group Inc.

2709 McGraw Drive

Bloomington, Ill. 61704

U.S.A.

Karen M. Jensen, PE, President & CEO

309.663.8435

www.f-w.com

Fluor

6700 Las Colinas Blvd

Irving, Texas 75039

U.S.A.

2021 Global Sourcebook Directory

David E. Constable, Chief Executive Officer
469-398-7000
<https://www.fluor.com/>

Fortis Construction Inc.

1705 SW Taylor Street, Suite 200
Portland, Ore. 97205
U.S.A.
Jim Kilpatrick, President & CEO
503-459-4477
www.fortisconstruction.com

Gensler

500 South Figueroa Street
Los Angeles, Calif. 90071
U.S.A.
Andy Cohen & Diane Hoskins, Co-CEOs
+1 213.327.3600
www.gensler.com

Geosyntec Consultants

900 Broken Sound Parkway NW, Suite 200
Boca Raton, Fla. 334387
U.S.A.
Peter Zeeb, President and CEO
561.922.1053
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. 02903
U.S.A.
Michael E. McKelvy, President/CEO
401-456-5800
www.gilbaneco.com

Goettsch Partners

224 South Michigan Avenue, Floor 17
Chicago, Ill. 60604
U.S.A.
James Goettsch / James Zheng, Co-CEOs
312.356.0600
www.gpchicago.com

Golder

3801 PGA Boulevard, Suite 603
Palm Beach Gardens, Fla. 33410
U.S.A.
Hisham Mahmoud, PhD, PE, Principal,
Global President & CEO
561 277-0185
www.golder.com

Gray Construction

10 Quality Street
Lexington, Ky. 40507
U.S.A.
Stephen Gray, President & CEO, Gray Inc.
859.281.5000
www.gray.com

HDR

1917 S. 67th Street
Omaha, Neb. 68106
U.S.A.
Eric Keen, Chairman & Chief Executive
Officer
402-399-1000
www.hdrinc.com

HKS

350 North Saint Paul, Suite 100
Dallas, Texas 75201
U.S.A.
Dan Noble, Chairman & CEO
214-969-5599
www.hksinc.com

HOK

10 South Broadway, Suite 200
St. Louis, Mo. 63102

2021 Global Sourcebook Directory

U.S.A.

William Hellmuth, Chairman and CEO

212.741.1200

www.hok.com

Haskell

111 Riverside Avenue

Jacksonville, Fla. 32202

U.S.A.

James L. O'Leary, President & Chief
Executive Officer

904.791.4500

www.haskell.com

Hixson Architecture Engineering Interiors

659 Van Meter Street

Cincinnati, Ohio 45202

U.S.A.

Greg Hammond, President & CEO

513-241-1230

www.hixson-inc.com

IBI Group Inc.

55 St Clair Avenue West

Columbus, Ohio 43235

U.S.A.

Scott Stewart, Chief Executive Officer

IPS-Integrated Project Services LLC

721 Arbor Way, Suite 100

Blue Bell, Pa. 19422

U.S.A.

Dave Goswami, P.E., Chairman & Chief
Executive Officer

610-828-4090

www.ipsdb.com

Intertek-PSI

545 E. Algonquin Rd.

Arlington Heights, Ill. 60005

U.S.A.

Gavin Campbell, Global Senior Vice
President

(630) 481-3100

www.intertek.com

Jacobs

1999 Bryan Street, Suite 1200

Dallas, Texas 75201

U.S.A.

Steven J. Demetriou, Chair and Chief
Executive Officer

+1.214.638.0145

www.jacobs.com

KPFF Consulting Engineers

1601 5th Ave

Seattle, Wash. 98101

U.S.A.

John Gavan, CEO/President

206.926.0699

www.kpff.com

Kiewit Corp.

1000 Kiewit Plaza

Omaha, Neb. 68131

U.S.A.

Rick Lanoha, President/CEO

402-342-2052

kiewit.com

Kleinfelder

550 West C Street, Suite 1200

San Diego, Calif. 92101

U.S.A.

Louis Armstrong, CEO

619-831-4600

www.kleinfelder.com

Kohn Pedersen Fox Associates PC

11 West 42nd Street

New York, N.Y. 10036

U.S.A.

James von Klemperer, President

212 977 6500

<https://www.kpf.com/>

2021 Global Sourcebook Directory

Leidos

11951 Freedom Drive
Reston, Va. 20190
U.S.A.
Roger Krone, Chairman and Chief
Executive Officer
314.770.3043
www.leidos.com

ME Engineers

14143 Denver West Pkwy Suite 300
Golden, Colo. 80004
U.S.A.
Mike Hart, CFO, Senior Principal,
Managing Director
3034216655
me-engineers.com

MWH Constructors Inc.

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

Manson Construction Co.

5209 E. Marginal Way S.
Seattle, Wash. 98134
U.S.A.
John Holmes, President & CEO
(206) 762-0850
www.mansonconstruction.com

Matrix Service Co.

5100 E. Skelly Dr., Ste. 100
Tulsa, Okla. 74135
U.S.A.
John R. Hewitt, President and Chief
Executive Officer
918-838-8822
www.matrixservicecompany.com

Michael Baker International

500 Grant Street, Suite 5400

Pittsburgh, Pa. 15219
U.S.A.
Brian A. Lutes, Chief Executive Officer
4129184000
www.mbakerintl.com

Michels Corp.

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

Moffatt & Nichol

4225 E. Conant Street
Long Beach, Calif. 90808
U.S.A.
Eric Nichol, President & Chief Executive
Officer
562-590-6500
www.moffattnichol.com

Morrison Hershfield

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

Mueser Rutledge Consulting Engineers PLLC

14 Penn Plaza
New York, N.Y. 10122
U.S.A.
Peter W. Deming, Principal
917-339-9300
www.mrce.com

NBBJ

223 Yale Avenue North
Seattle, Wash. 98109
U.S.A.

2021 Global Sourcebook Directory

Steve McConnell, Managing Partner
www.nbbj.com

NORR

325 North LaSalle Street, Suite 500
Chicago, Ill. 60654
U.S.A.
Brian Gerstmar, President & CEO
312 424 2400
www.norr.com

PCL Construction

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

POWER Engineers Inc.

3940 Glenbrook Drive
Hailey, Idaho 83333
U.S.A.
Bret Moffett, CEO
(208) 788-3456
www.powereng.com

Page

1615 M Street NW, Suite 700
Washington, D.C. 20036
U.S.A.
James M. Wright, CEO
2029094900
www.pagethink.com

Parsons

5875 Trinity Parkway #300
Centreville, Va. 20120
U.S.A.
Charles L. Harrington, CEO/Chairman
(703) 988-8500
www.parsons.com

Perkins Eastman

115 Fifth Avenue
New York, N.Y. 10003
U.S.A.
Andrew J. Adelhardt III, Shawn Basler AIA, and Nicholas Leahy AIA, LEED AP, Co-CEOs, Executive Directors, and Principals
212 353 7200
perkinseastman.com

Pond

3500 Parkway Lane
Peachtree Corners, Ga. 30092
U.S.A.
Tony Parker, CEO
678-336-7740
www.pondco.com

Primoris

2300 N. Field Street Suite 1900
Dallas, Texas 75201
U.S.A.
Tom McCormick, President and CEO
214-740-5600
www.prim.com

RCM Technologies Inc.

2500 McClellan Avenue, Suite 350
Pennsauken, N.J. 08109
U.S.A.
Bradley S. Vizi, Executive Chairman & President
(856) 356-4500
www.rcmt.com

Raba Kistner Inc.

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

2021 Global Sourcebook Directory

Roncelli Inc.

6471 Metro Parkway
Sterling Heights, Mich. 48312
U.S.A.
Gary Roncelli, Chairman
586-264-2060
www.roncelli-inc.com

SSOE Group

1001 Madison Avenue
Toledo, Ohio 43604
U.S.A.
Vince DiPofi, CEO, President
419-255-3830
www.ssoe.com

STO Building Group Inc.

330 West 34th Street
New York, N.Y. 10001
U.S.A.
Robert W. Mullen, Chief Executive Officer
212-481-6100
www.structuretone.com

Sargent & Lundy

55 E Monroe St
Chicago, Ill. 60603
U.S.A.
Thomas R. White, Chairman, President & CEO
312-269-2000
www.sargentlundy.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, Partners, Executive Committee
212-298-9300
www.som.com

SmithGroup

500 Griswold Street, Suite 1700

Detroit, Mich. 48226
U.S.A.
Mike Medici, Managing Partner
313.983.3600
www.smithgroup.com

Southland Holdings LLC

1100 Kubota Drive
Grapevine, Texas 76051
U.S.A.
Frank Renda, CEO | President
817-293-4263
www.southlandholdings.com

Stanley Consultants

225 Iowa Ave
Muscatine, Iowa 52761
U.S.A.
Kate C.E. Harris, President & CEO
563-264-6239

Tetra Tech Inc.

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

The Beck Group

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

The Walsh Group

929 W. Adams
Chicago, Ill. 60607
U.S.A.
Dan Walsh, Co-Chairman
312-563-5400
www.walshgroup.com

2021 Global Sourcebook Directory

Thornton Tomasetti

51 Madison Ave.
New York, N.Y. 10010
U.S.A.
Thomas Scarangelo, Executive Chairman
1.917.661.7800
www.thorntontomasetti.com

Turner & Townsend

475 Park Avenue South, 11th Floor
New York, N.Y. 10016
U.S.A.
Murray Rowden, Managing Director,
Americas
917-940-5963
www.turnerandtowntsend.com

United E&C Inc.

30 Knightsbridge Road, Suite 521
Piscataway, N.J. 08854
U.S.A.
Scott Reeder, Chief Executive Officer
609-720-2000
www.ueci.com

WATG

300 Spectrum Center Drive, Suite 500
Irvine, Calif. 92618
U.S.A.
David Moore, President + Chief Executive
Officer
+1 (949) 574 8500
www.watg.com

Walbridge

777 Woodward Ave Ste 300
Detroit, Mich. 48226
U.S.A.
Michael Haller, CEO
3139638000
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

Weeks Marine Inc.

4 Commerce Drive
Cranford, N.J. 07016
U.S.A.
Richard S. Weeks, Chief Executive Officer
(908)272-4010
www.weeksmarine.com