



# 中國建築股份有限公司

CHINA STATE CONSTRUCTION ENGRG . CORP. LTD



# CSCEC

Founded in **1952** as part of Ministry of Construction of P.R. China

Listed on **July 29, 2009** in Shanghai Stock Exchange ,

**the biggest IPO** in the world

The world **LARGEST**

**construction & real estate conglomerate**



中國建築股份有限公司

CHINA STATE CONSTRUCTION ENGRG . CORP. LTD



**ENR**

Engineering News-Record

**Global Contractor  
No.1**

**NO. 1 of the ENR Top 250 Global  
Contractors 2016/2017/2018**



**中國建築股份有限公司**

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The background of the entire image is a night-time aerial view of a city skyline, featuring a prominent skyscraper with a grid-like facade and many lit windows. The sky is dark blue. Overlaid on this background is a large, semi-transparent graphic. On the left side of the graphic, the letters 'ENR' are written in a large, bold, red font. Below 'ENR', the words 'Engineering News-Record' are written in a smaller, red font. To the right of 'ENR', the words 'International Contractor' are written in a large, bold, red font. Below 'International Contractor', the number 'No. 8' is written in a large, bold, red font. At the bottom of the graphic, the text 'NO. 8 of the ENR Top 250 International Contractors 2018' is written in a white font. In the bottom right corner of the graphic, there is a blue square logo with white stylized characters, followed by the Chinese name '中國建築股份有限公司' and the English name 'CHINA STATE CONSTRUCTION ENGRG . CORP. LTD' in a white font.

**ENR**

Engineering News-Record

**International Contractor**  
**No. 8**

NO. 8 of the ENR Top 250 International  
Contractors 2018



**中國建築股份有限公司**

CHINA STATE CONSTRUCTION ENGRG . CORP. LTD

# NO. 23

of the Global Fortune 500  
Enterprises in 2018



中國建築股份有限公司  
CHINA STATE CONSTRUCTION ENGRG . CORP. LTD



# 中國建築股份有限公司

CHINA STATE CONSTRUCTION ENGRG . CORP. LTD



Rating **"A"** by **Standard & Poor's, Moody's** and **Fitch**

**HIGHEST** in the Engineering & Construction Industry.

Rated among **"World's Most Admired Companies"**

by **Fortune** magazine



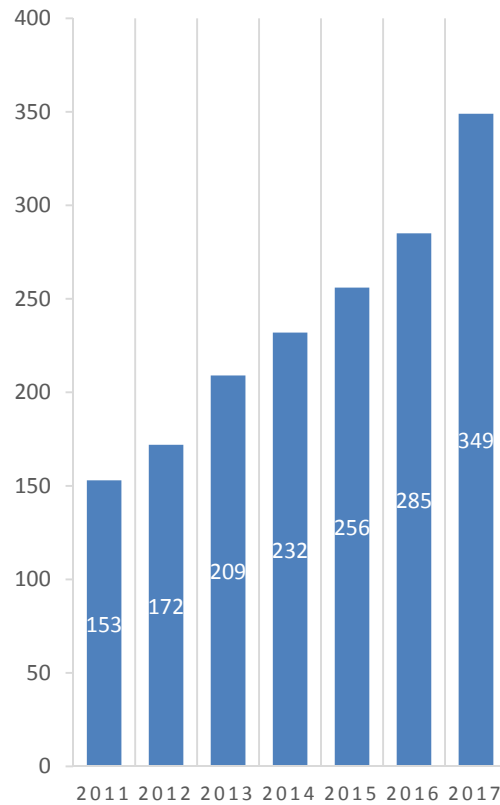
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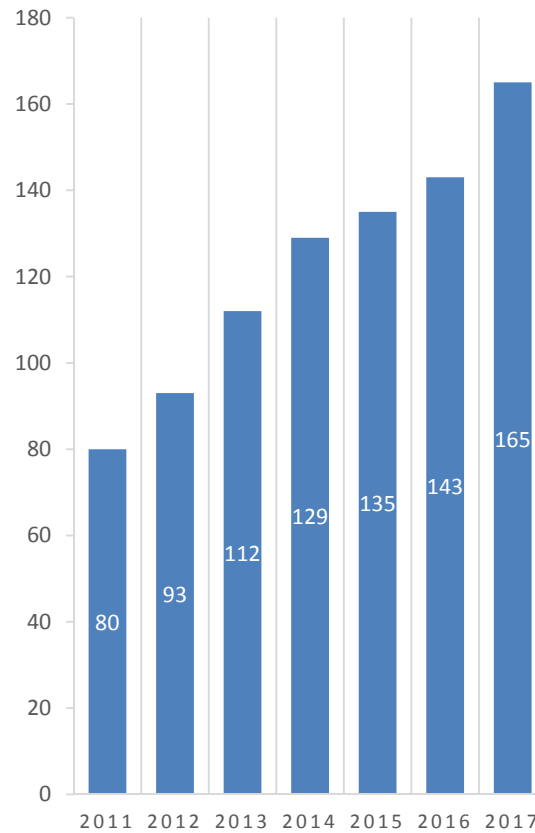


## Achievement

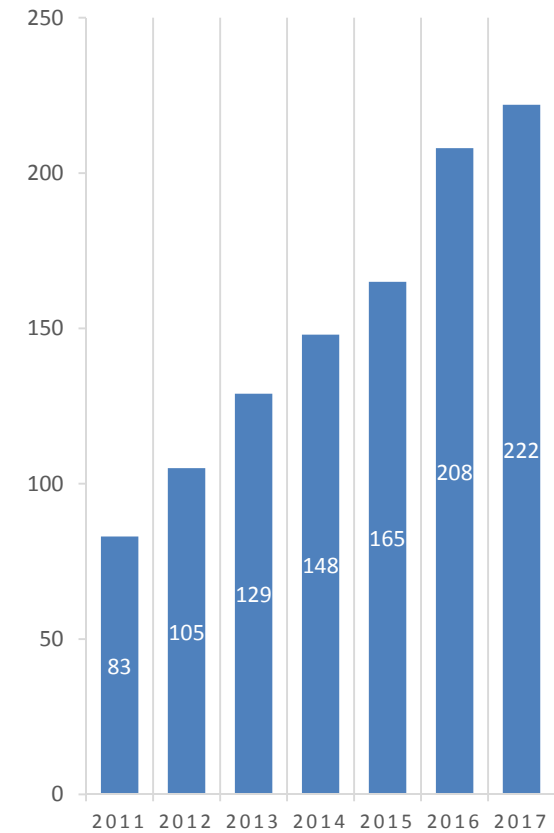
**CONTRACT VALUE  
(USD BILLION)**



**REVENUE (USD BILLION)**



**ASSET (USD BILLION)**





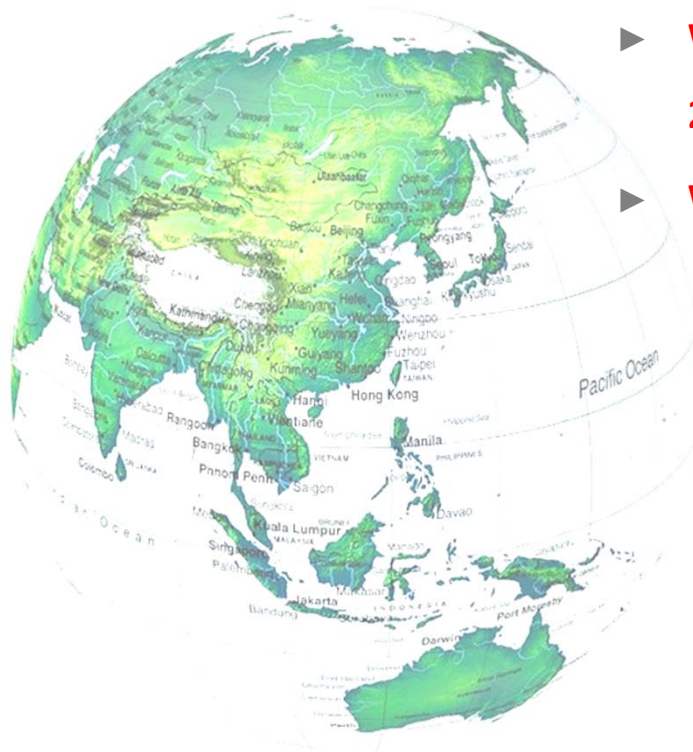
Talents are our No.1 resource



中國建築股份有限公司

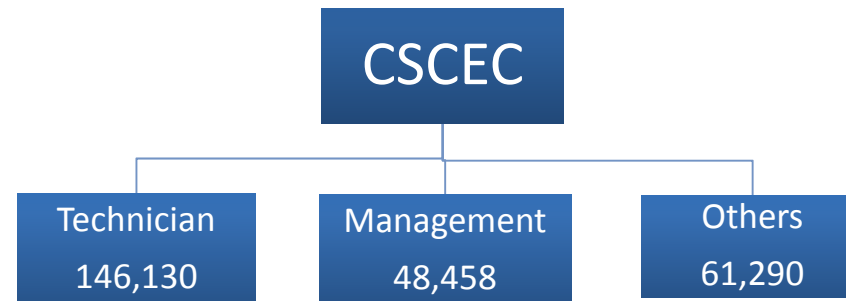
CHINA STATE CONSTRUCTION ENGRG. CORP. LTD

## Human Resources



▶ **Worldwide Management Staff, Engineer & Technician ----- 255,878**

▶ **Worldwide Employees ----- 3,000,000+**



**CSCEC ACTIVELY ATTRACTS TALENTS FROM ALL OVER THE WORLD**







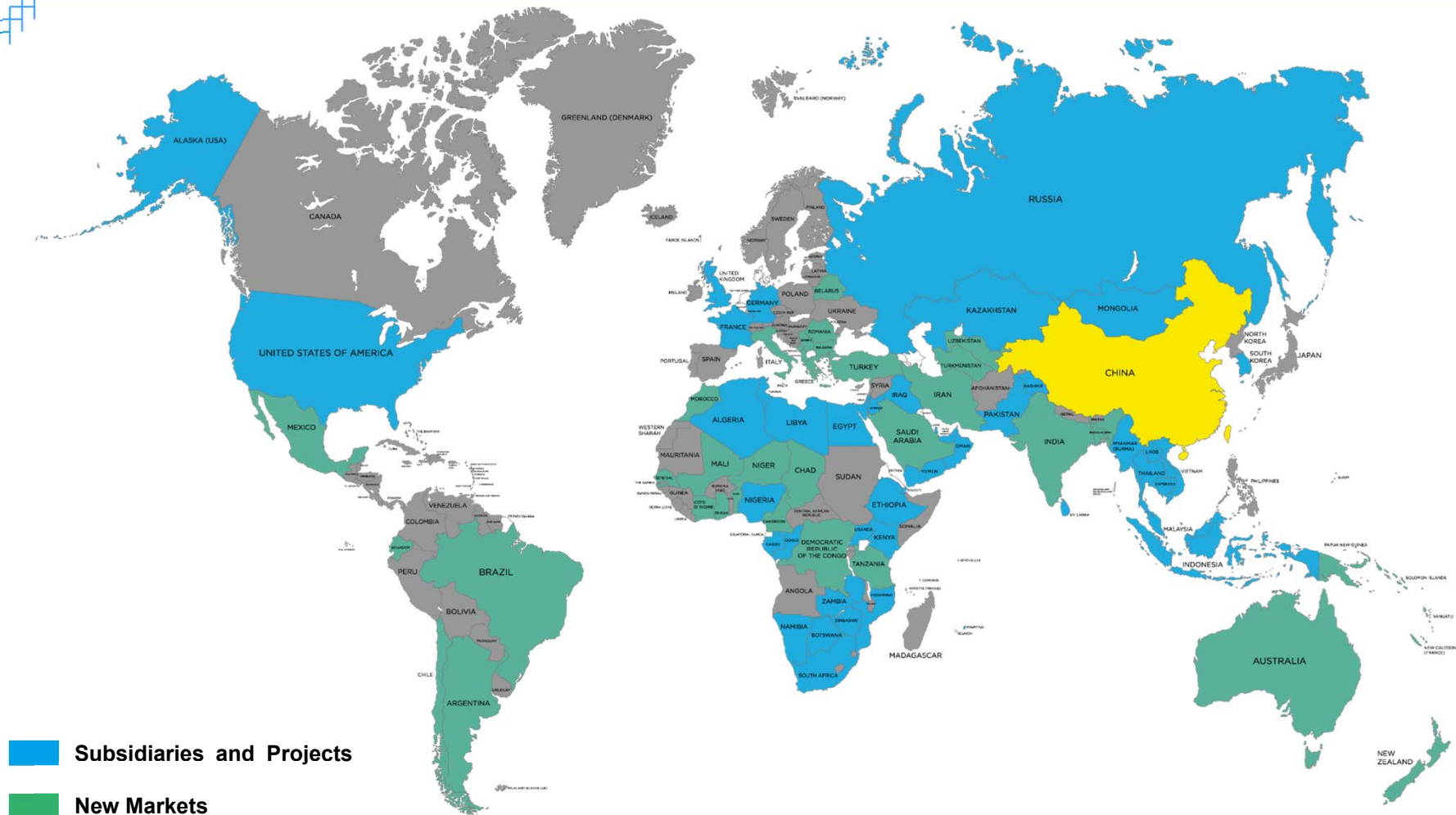
Winning to be The most Internationally Competitive



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## Overseas Business



By October 2018, CSCEC have business operation in **139** countries and regions, established **43** overseas companies.



*Dedicated to excellent projects, building harmonious homes*



## Marina Project Reference



**中國建築股份有限公司**

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## DORALEH MULTI-PROPOSE PORT PROJECT (PHASE 1), DJIBOUTI



### ★ General situation of project:

Deep water quay of 1200m in length accommodating for up to 100,000 DWT vessels, 175m long service berth, associated facilities (stacking yards, buildings, gates and utilities) .

Annual throughput capacity of 7.08 million tons plus 200,000 TEUS

### ★ Total construction cost:

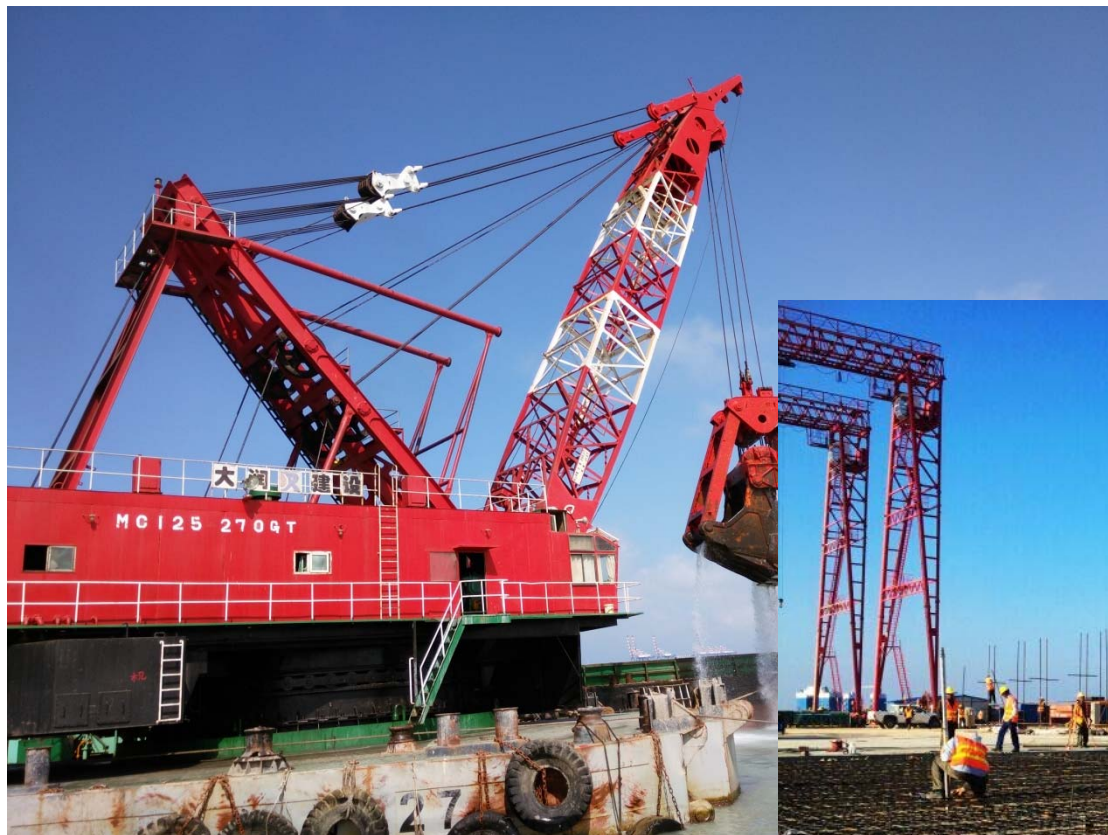
422 million dollar .



## DORALEH MULTI-PURPOSE PORT (PHASE I) IN DJIBOUTI



Annual throughput **7,080,000 tons** and **200,000 TEU**



Trench Excavation



Caisson Precast Yard



Gantry Crane



Cast in-situ Concrete



Aerial View of Caisson Installations



Aerial View of Project Offices



### ★ General situation of project:

The project was divided into four phases with the structure of 10000-tonnage high pile beam and slab type; the bulkhead adopts the slant pile cap structure; The total length of the wharf is over 5000 meters; The project includes ground stabilization and container yard construction as well

### ★ Pile type:

steel pipe pile Q345,  $\phi 2000$ : 220 piles, L=70-80 meters;  $\phi 1900$ : 657 piles, L=50-70 meters;  $\phi 1500$ : 1405 piles, L=60-80 meters;

### ★ Total construction cost:

525.5 million dollar



## General Layout of Yang Shan Deepwater Port





Erection of Socketed  
Pile Bailey Rack  
Platform



Installation of Concrete Capping Beam



Construction of  
Container Yard



Weight Bridge System at the Inspection Gate



★ **General situation of project:**

The contract working period for the main part of the deep water bulkhead is 425 days, the volume of dumping fill completed is 397635m<sup>3</sup>, the underwater sand soft nappe and the compound geotextile are laid by 75400m<sup>2</sup>, the actual time for construction is 395 days, and the project is completed 30 days in advance.

★ **Total construction cost:**

13.36 million dollar



### ★ General situation of project:

The project includes reinforcement of offshore sand pile, new wharf and bulkhead pile cap structure. The second phase of the hydraulic wharf is totally 1400m long and 37m wide. The projecting pile cap structure is 1400m long and 23.25m wide. The high pile beam and slab structure for the steel pipe pile. Four 70000-tonnage container berths are arranged at the wharf (taking account of 150000-tonnage container docking berth).

### ★ Pile type:

material of steel pipe pile Q345,  $\Phi 2300$ : 24 piles, L=60 meters;  $\Phi 1900$ : 353 piles, L=46-60 meters;  $\Phi 1800$ : 125 piles, L=46-70 meters;  $\Phi 1500$ : 129 piles, L=46-60 meters;  $\Phi 1200$ : 587 piles, L=46-70 meter.

### ★ Total construction cost:

51.25 million dollar



### ★ General situation of project:

The high pile beam and slab structure; high pile cap structure for dolphin wharf and mooring dolphin. The length of shipping wharf is 250.5 meters, and the shipping passage is 728.1 meters long.

### ★ Pile type:

PHC $\Phi$ 800 B: 144 piles, L= 42 meters; PHC $\Phi$ 1000 B: 1105 piles, L= 43~45 meters; PHC $\Phi$ 1200 B: 651 piles, L= 46.6 meters;  $\Phi$ 800 steel fender pile (Q235): 15 piles, L=35 meters.

### ★ Total construction cost:

47.02 million dollar



### ★ General situation of project:

The high pile beam and slab type wharf, which is 427m long and 58m wide; there are four approach bridges (approximate 271m long and 25m wide).

### ★ Pile type:

PHC  $\Phi$ 800 AB type: 580 piles, L=46-48 meters; PHC  $\Phi$ 800 B type: 164 piles, L=47.5-49 meters; reinforced concrete square pile 600\*600: 118 piles, L=46-47 meters.

### ★ Total construction cost:

23.35 million dollar



### ★ General situation of project:

The high pile beam and slab type wharf, which is 600m long and 58m wide; there are two approach bridges: bridge No.1 is 271m long and 25m wide; bridge No.2 is 271m long and 20m wide.

### ★ Pile type:

PHC $\Phi$ 800 AB type: 1276 piles, L=43-46 meters; reinforced concrete square pile 600\*600: 326 piles, L=44-46 meters; steel pipe pile  $\Phi$ 800, material Q235: 32 piles, L=36 meters.

### ★ Total construction cost:

34.24 million dollar





### ★ General situation of project:

The high pile beam and slab type wharf; berth No.1 is 300 meters long and 58 meters wide; berth No.2 is 240 meters long. The Yangtze River bulkhead is 204 meters long and 30 meters wide; approach bridge No.1 is 271 meters long and 25 meters wide; approach bridge No.2 is 271 meters long and 20 meters wide.

### ★ Pile type:

reinforced concrete square pile 600\*600: 1489 piles, L=51-57 meters; reinforced concrete square pile 600\*600: 310 piles, L=48-51 meters;

### ★ Total construction cost:

30.31 million dollar



### ★ General situation of project:

The high pile beam and slab type wharf, which is 600m long and 58m wide; contracting to build 2 berths: berth No.1 is 350 meters long and 54.5 meters wide; berth No.2 is 300 meters long. The pre-stressed concrete square pile 60\*60.

### ★ General situation of approach bridge:

approach bridge No. 1 is 199 meters long and 20 meters wide, and approach bridge No. 2 is 151meters long.

### ★ Total construction cost:

24.14 million dollar.



### ★ General situation of project:

1. Riverside causeway project with the top connecting with the fifth phase of Waigaoqiao and bottom connecting with the port causeway of the automobile roll-in/roll-out terminal of the sixth phase of Waigaoqiao; the total length of the embankment line is 887.8m, the new causeway in the middle is 801.8m long with the newly-built wave wall and road. 2. The hydraulically filled sand behind the embankment is 0.998 million m<sup>3</sup>. 3. There are three newly-built gates for flood protection on the causeway.

### ★ Total construction cost:

12.3 million dollar .



## ★ General situation of project:

The wharf is divided into three sections including 50000-tonnage wharf, platform and approach bridge. The front line of the wharf is 481.6 meter long and 30 meters wide; the back line of the platform is 481.6 meters long and 13.5 meters wide; there are two approach bridges which are 104 meters long and 14 meters wide.

## ★ Pile type:

Reinforced concrete square pile 600\*600: 1029 piles, L=38~48 meters; reinforced concrete square pile 600\*600: 456 piles, L=38 meters; PHC  $\Phi$ 800 B type: 200 piles, L=44 meters; steel pipe pile  $\Phi$ 800, material Q235: 22 piles, L=50 meters.

## ★ Total construction cost:

18.13 million dollar



### ★ General situation of project:

large-sized steel miscellaneous wharf is approximate 510 meters long and 35 meters wide; three 10000-tonnage medium-sized steel miscellaneous wharfs at upstream are respectively 465 meters long and 25 meters wide; the small-sized steel miscellaneous wharf is 430 meters long and 50 meters wide.

### ★ Pile type:

PHC $\Phi$ 800 AB type: 1055 piles, L=55-58 meters; PHC $\Phi$ 1000 AB type: 294 piles, L=55-58 meters, anti-collision steel pipe pile  $\Phi$ 800: 92 piles, L=43 meters; anti-collision steel pipe pile  $\Phi$ 1000: 21 piles, L=45 meters; anti-collision steel pipe pile  $\Phi$ 1200: 2 piles, L=45 meters; reinforced concrete square pile 600\*600: 2116 piles, L=53-58 meters.

### ★ Total construction cost:

63.46 million dollar



### ★ General situation of project:

The total length of the relieving platform is 460m, in which the connecting platform is 288 meters long and 45 meters wide; one transformer substation platform is 26 meters long and 20 meters wide: there are 5 cleats and 9 mooring dolphins. The outside of the relieving platform is used for unshipping, at which a 200000-tonnage bulk ship can dock. The inside of the relieving platform is used for shipping, at which a 35000-tonnage bulk ship can dock. The design annual handling capacity is 14.00 million tons of iron ore. The civil structure on the platform includes one transformer substation of three floors, three transfer stations, three galleries and eight reservoirs.

### ★ Total construction cost:

33.50 million dollar



### ★ General situation of project:

1395m×70m (the overall length is 1395m, the elevation of embankment is +5.5m, and the plane presents a circular arc). The project is divided into four parts: foundation; 83 pieces of the geotextile nappe are placed. The riprap on the embankment; 87366m<sup>3</sup>. Twisted I-shaped block; 14500 pieces of concrete I-shaped blocks are installed on the jetty head. Jetty top; the cast-in-place non-discrete concrete pavement is 1697m<sup>3</sup>.

### ★ Total construction cost:

4.47 million dollar



★ **General situation of project:**

The axis of the 1# approach bank is 256.6468m long and 32.4m wide. At the embankment core, the hydraulically filled earth is 60000m<sup>3</sup>, the embankment body is the sandstone prism, and the total volume of the sandstone used is 112000m<sup>3</sup>.

★ **Total Construction cost:**

5.18 million dollar





★ **General situation of project:**

68000m<sup>2</sup> of dewatering sheet. 41500m<sup>2</sup> of ordinary rammer.

★ **Total construction cost:**

27.54 million dollar



★ **General situation of project:**

The length of the causeway is 460.5m, and the reclamation area is 79900m<sup>2</sup>. The project mainly contains the bagged-sand embankment core, causeway with the pavement and toe of riprap, about 190000m<sup>2</sup> of plastic dewatering sheet, and about 250000m<sup>2</sup> of filled sand in the reclamation.

★ **Total construction cost:**

1.57 million dollar



### ★ General situation of project:

200000-tonnage dry dock: 580m long, 106m wide and 10.3m deep. The entrance is 106m wide. Cofferdam for construction of temporary steel sheet pile; foundation pit excavation (about 410000m<sup>3</sup>) and backfill; dike connection engineering at the side of dock head: cement mixing piles between the steel sheet pile and the 22cm continuous wall of the dock chamber will adopt the dual-head mixing pile reinforcement process to form the water-stop curtain. The dock head uses the reinforced concrete separation structure, which is enclosed with the continuous wall in the thickness of 45cm. The upper wall of the dock chamber is of the reinforced concrete empty-container structure, the lower wall is of the reinforced concrete continuous wall in the thickness of 45m. The continuous wall is also used as the cutoff wall.

### ★ Total construction cost:

14.36 million dollar



★ **General situation of project:**

Dock 1: 230m long, 54m wide, and 11.6m deep, the entrance is 54m wide (50000-tonnage dry dock).  
Dock 2: 195m long, 48m wide, and 11.6m deep, the entrance is 48m wide (30000-tonnage dry dock).

★ **Total construction cost:**

24.63 million dollar



### ★ General situation of project:

Removal of the old navigation lock, upstream and downstream dike, deep foundation pit excavation and maintenance, main body of newly-built navigation lock, upstream and downstream wing wall and apron, auxiliary facilities of navigation lock, and house construction for the comprehensive building of the lock management office.

### ★ Total construction cost:

20.94 million dollar

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## Worldwide Landmark Projects



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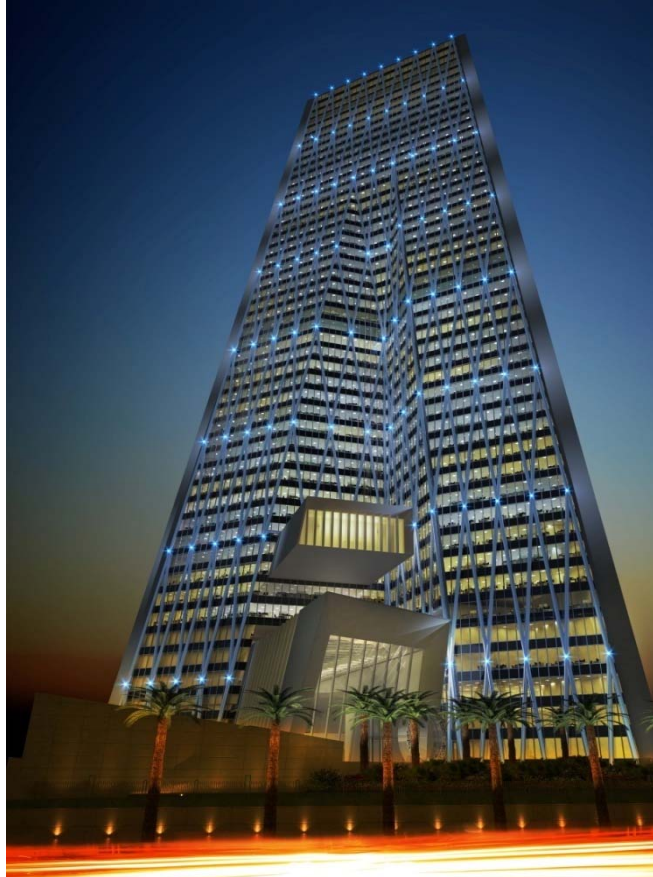
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# New Office Building of Central Bank of Kuwait, Kuwait



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**Client:** Central Bank of Kuwait

**Contract Duration:** 36 months

**Description:** 3B+G+5P+34; 240m high

**GFA:** 160,000 m<sup>2</sup>

**Contract Value:** USD 406 Million

**Awards:**

- Project of the Year 2015 by CPI
- National Winner Building Project of the Year 2016 by MEED





[Height:](#) 636m

[BUA:](#) 402,558 m<sup>2</sup>

[Contract Duration:](#) 78 months

[Contract Value:](#) USD 5 Billion

[Steel Structure:](#) 100,000 t

[Description:](#) 1B+125 Floors, Mixed use of building, including commercial, offices and five-star hotel.





# Alexander - Hamilton Bridge, New York, U.S.A



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Contract Value: USD 407 Million

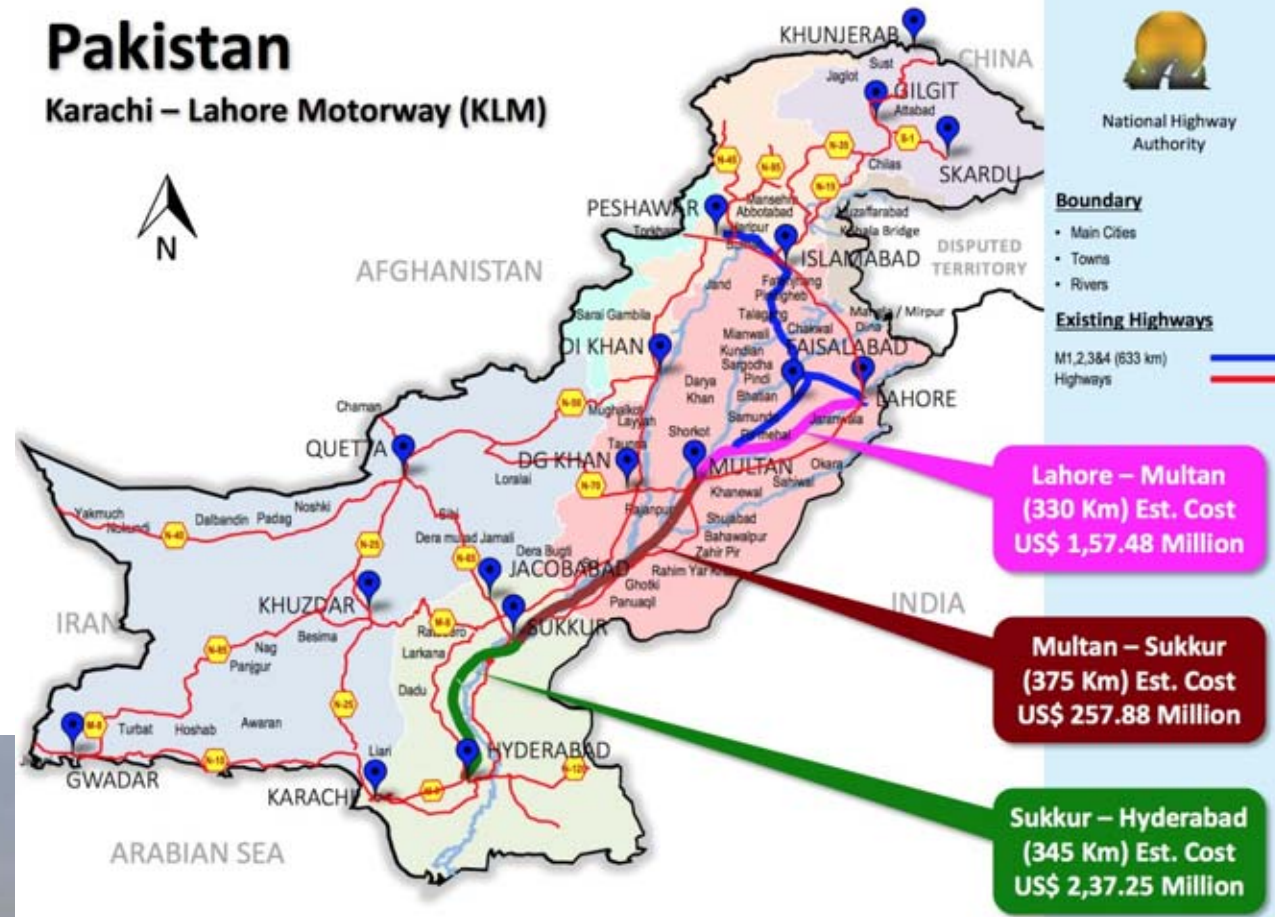
Description:

Maintenance for 1 steel structure bridge and 8 slip way bridge . It is junction of USA main highway I-95 and I-87. the length for main bridge is 466m.



# Pakistan

## Karachi – Lahore Motorway (KLM)



Contract Value: **USD 28.9 Billion**

### Project Description:

The project envisages construction of six-lane Sukkur-Multan section of the 1148km, including building of bridges, interchanges, nullahs, etc.



**Client:** Abu Dhabi General Services Company PJSC (Trading as Musanada)

**Consultant:** Mott MacDonald Limited

**Contract Duration:** 48 months

**Contract Value:** USD 452 Million

**Status:** Under Construction

**Description:**

This large size turn-key infrastructure project includes Earthwork, Road, sewage, storm water drainage, poRoad and Transport Authorityble water, irrigation, street light, telecommunication for entire area of 9.6km<sup>2</sup>. This project is part of 39km<sup>2</sup> mega size housing project.

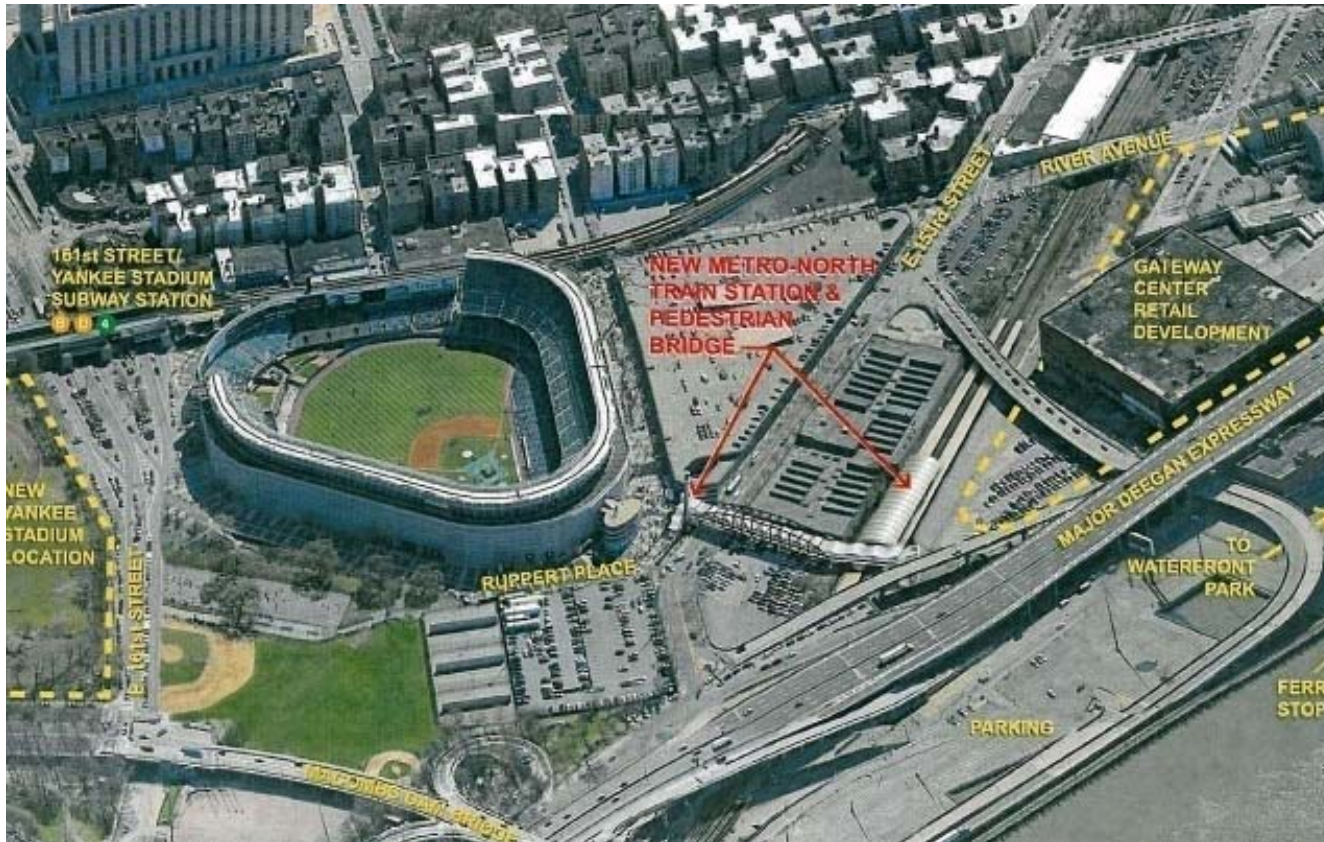


Contract Value: USD 2.25 Billion

Contract Duration: 48 months

Description: Total length 25.35km, including 22 Stations





Contract Duration: 27 months

Contract Value: USD 61 Million

Description:

2 Nos. 260m long island platform and other facilities with a capacity of 4 ten-car trains containing more than 10 thousand passengers during the match.





Contract Value: USD 155 Million

**WORLD EIGHTH MIRACLE**



Contract Duration: 44 months

GFA: 300,000 m<sup>2</sup>

Contract Value: USD 2 Billion

Description:

This project consists of 5 hotels, 1 theatre, 1 casino, external landscape and etc.



Client: Kuwait University

GFA: 230,000 m<sup>2</sup>

Contract Value: USD 463 Million

Contract Duration: 1280 days

Status: Under Construction

Description:

The project consists of 27 unit buildings divided to 6 main Parcels – Plot 225 Administrative Staff Club, Plot 601 Male Housings, Plot 602 Female Housings, Plot 603 Model Schools, Plot 800s Support Facilities, Plot 805 Academic Units and seven external works for the six parcels.





Client: Kuwait University

Status: Under Construction

Description:

The project is consisting of seven buildings with special & unique shape, such as Administration Building, Grand Mosque, Cultural Centre, Convocation Hall, Conference Centre, University Library and Visitor Centre and etc.

Contract Value: USD 580 Million

Contract Duration: 1092 days



[Contract Value:](#) USD 1.5 Billion

[Description:](#) Ranked among the world Top 10 Architectures in the 20th century. One of the biggest single terminal buildings in the world



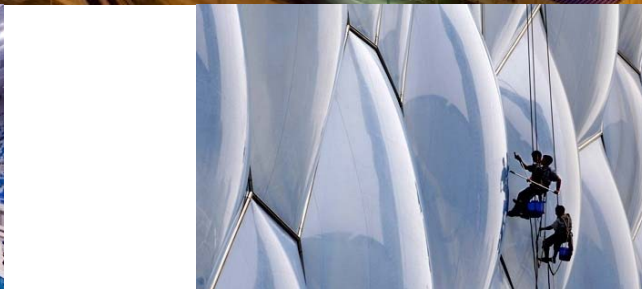
Contract Value: USD 890 Billion

Description: The largest international airport in North Africa

# National Aquatics Center, Beijing, China



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Contract Duration: 20 months

GFA: 87,283 m<sup>2</sup>

Contract Value: USD 160 Million

Description:

The largest membrane structure in the world with the capacity of 17,000 seats.

# Port Gentil Stadium, Gabon



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## Major Marina Work Equipment



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## CSCEC No. 7 Pile Driving Barge



Pile driving barge: Height of pile frame is 100 meters; the maximum hoisting capacity is 150 tons; navigation zone: coastal

## Harbor Engineering Yangshan Barge



Pile driving barge: Height of pile frame is 88 meters; the maximum hoisting capacity is 150 tons; navigation zone: coastal



## Harbor Construction Pile Driving No.2 Barge



Pile driving barge: the height of pile frame is 64 meters; the maximum hoisting capacity is 100 tons; navigation zone: coastal.

## Harbor Construction Pile Driving No. 1 Barge



Pile driving barge: the height of the pile frame is 49 meters; the maximum hoisting capacity is 40 tons.

## Harbor Engineering Concrete Mixing No.2 Ship



Marine concrete mixing ship: mixing capacity, 100m<sup>3</sup> concrete/hour; 1000m<sup>3</sup> concrete/ship; navigating zone: coastal.

# Harbor Engineering Concrete Mixing No.1 Ship



Marine concrete mixing ship: mixing capacity, 50m<sup>3</sup> concrete/hour; 400m<sup>3</sup> concrete/ship; navigating zone: coastal.

# Harbor Engineering Crane Barge No. 1



Crane Barge: the maximum hoisting capacity is 500 tons.

## Harbor Construction Floating Crane No. 2



Crane Barge: the maximum hoisting capacity is 63 tons.

## Harbor Construction Tugboat No. 2



Tugboat: the free running speed is 11.6 knots; the towing tension of the bollard is 12 tons.

## Harbor Engineering Sea Barge No. 1



Barge: the gross deadweight is 2000 tons; navigating zone: coastal.



## Harbor Construction Barge No. 4



Barge: the gross deadweight is 400 tons.

## Harbor Construction Barge No. 5



Barge: the gross deadweight is 400 tons.

## Harbor Construction Barge No. 6



Barge: the gross deadweight is 400 tons.

## Harbor Construction Barge No. 7



Barge: the gross deadweight is 700 tons.

## Harbor Construction Barge No. 8



Barge: the gross deadweight is 450 tons.



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