

# KÖRFEZ

MARINE CONSTRUCTION CO.



Körfez Deniz

# KÖRFEZ DENİZ

# INDEX

**4/5 - ABOUT US**

**6/11 - FIELDS OF ACTIVITY**

**12/39 - COMPANY REFERENCES**

**40/44 - EQUIPMENT & MACHINERY**

# ABOUT US



**KORFEZ MARINE CO. (KDI)** has been functioning in the offshore construction field with its team of experts, standard and custom-built equipment and machinery, versatile marine fleet and enthusiasm since 2004.

# FIELDS OF ACTIVITY

# PILE INSTALLATION



Piles are one of the major components of most marine structures. KDI has vast experience within the field of offshore piledriving owing to kilometers of pile installations under varying circumstances.

**Types of piles installed are;**

- **Driven steel tubular piles**
- **Driven sheet piles**
- **Offshore cast-in-situ bored piles**

FIELDS OF ACTIVITY

# JETTY and DOLPHIN SUPERSTRUCTURE



The corrosive nature of the marine environment elevates the required level of quality and detailing for structures. The clients of KDI are satisfied while they are carrying out their problem free operations over the structures constructed by KDI, with a cumulative area in excess of 200,000 sq.m.

FIELDS OF ACTIVITY

# PORT and BREAKWATER CONSTRUCTION



Offshore logistics require special structures for safe handling of valuable cargo. KDI provides turn-key solutions to its clients for all types of mooring and berthing requirements of their vessels and cargo.

FIELDS OF ACTIVITY  
**BRIDGE**



First underwater pile driving operation carried out in Turkey with hydraulic impact hammer. Pile driving works were carried out with our company which have experienced personels in Izmit Bay Crossing Suspension Bridge.

FIELDS OF ACTIVITY

# HEALTH, SAFETY and QUALITY AWARENESS



KDI is fully aware of the value of the life and health of its employees and colleagues and deploys the utmost care for their protection and well being. Our clients have always been satisfied with the level of and quality and detailing in what we deliver.

# COMPANY REFERENCES

# PROJECT SYNOPSIS

PROJECT NAME

## Halic Metro Crossing Bridge

Project Location	Halic / Istanbul / TURKEY
Client	Istanbul Metropolitan Municipality Directorate of Rail Systems
Main Contractor	Astaldi-Gulermak Joint Venture
Subcontractor	Korfez Marine Construction Co.
Commencement	November 20, 2008
Completion	March 08 , 2013
Scope Summary	Driving steel tubular piles with 2500mm OD and 50mm WT with lengths varying between 59.5m to 89.0m (4,205m)
	Boring the pile shaft with pile top drill rig reverse circulation drilling (4,205 m)
	Fabrication of steel reinforcement cages (2,545 ton)
	Concrete casting within the bored pile shaft (10,788 m3)
	Pile performance testing with Osterberg O-Cell Method (3 no's)

# Halic Metro Crossing Bridge



# PROJECT SYNOPSIS

PROJECT NAME

## Izmit Bay Crossing Project

Project Location	Izmit / TURKEY
Client	General Directorate of Motorways
Main Contractor	NOMAYG JV – STFA Construction Co.
Subcontractor	Korfez Marine Construction Co.
Commencement	March 01, 2013
Completion	September 14, 2013
Scope Summary	Underwater driving of 34.25m long steel tubular piles with 2000mm OD and 20mm WT (390 nos)
	First underwater pile driving operation carried out in Turkey with hydraulic impact hammer
	Construction of Wet Dock Dolphins for bridge piers (3 nos)
	Construction of Temporary Jetty for project logistics
	Sheet pile extraction at the Dry Dock

# Izmit Bay Crossing Project



# PROJECT SYNOPSIS

PROJECT NAME

## Tupras Izmit Refinery B Zone Jetty and Quay Construction

Project Location	Korfez/ Izmit / TURKEY
Client	Directorate of Izmit Refinery of Turkish Petroleum Refineries Corporation
Main Contractor	Sezai Turkes Feyzi Akkaya – Korfez Marine Cons. Co. Joint Venture
Commencement	July 10, 2013
Completion	-
Scope Summary	<p><b>CONSTRUCTION WORKS</b></p> <p>Driving steel tubular piles with 1016mm &amp; 1320mm OD and 14mm &amp; 20mm WT with lengths varying between 16.5m to 46.0m</p> <p>Back-site Embankment Works (5,300 m3)</p> <p>Construction of Superstructure of Dolphin, Jetty and Quay</p> <p>Fabrication of Steel Reinforcement (10,885 tons)</p> <p>Casting In-situ Concrete (55,015 m3)</p> <p>Fabrication and Installation of Precast Members</p> <p>Construction of Operator and Flow Measurement System Buildings</p> <p>Demolition Works of Existing Pier and Buildings</p> <p><b>STEEL STRUCTURES</b></p> <p>Construction of Pipe-Rack Structure (1950 tons)</p> <p>Steel Porch Works of Fire Pumps Station and Flow Measurement System Buildings</p>

## Scope Summary

**MECHANICAL WORKS**

Installation of Filling Lever (47 pcs.)

Supply and Installation of Fire Fighting System

Supply and Installation of Diesel Fire Pumps in Fire Pump Station (4 pcs.)

Supply and Installation of Steam Distribution and Condensate Returning Systems

Supply and Installation of Quick Release Hooks and Auxiliary

## Scope Summary

**ELECTRICAL WORKS**

Installation of Electrical Cable with length of 145.000m (95.000m)

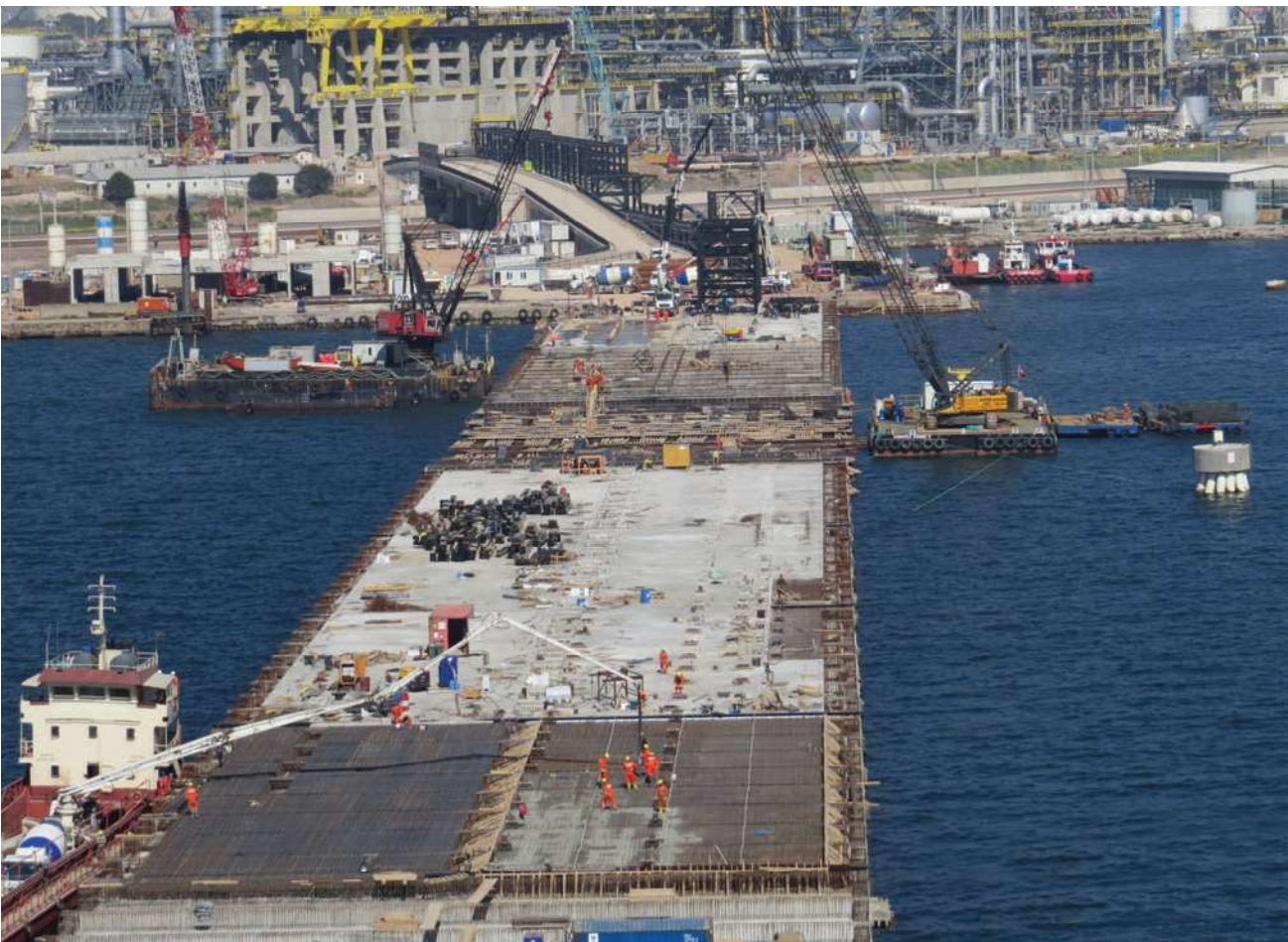
Installation of Lighting Fittings on Pier (180 pcs.)

Installation of 11.000 m Conduit on Pier

Installation of 130 pcs. of Instruments on Pier

Installation of Fire Alarm System, CCTV and Announcement System

## Tupras Izmit Refinery B Zone Jetty and Quay Construction



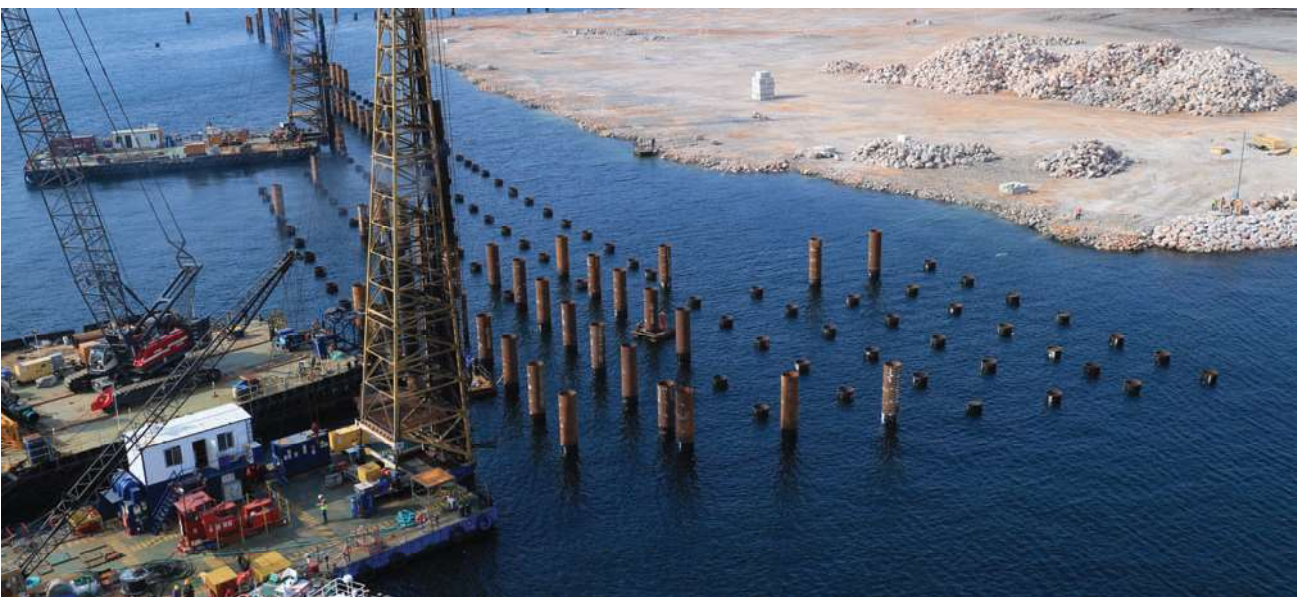
# PROJECT SYNOPSIS

PROJECT NAME

## DP World Yarimca Container Port Construction

Project Location	Korfez/ Kocaeli / TURKEY
Client	DP World Yarimca Port
Main Contractor	STFA Construction Inc. Co.
Subcontractor	Korfez Marine Construction Co.
Commencement	February 12, 2014
Completion	May 10, 2015
Scope Summary	<p>Driving steel tubular piles with 1200 mm OD and 19-22 mm WT with lengths varying between 45 m to 60 m (38,000m), 100% PDA appl.</p> <p>3 Pile Loading Tests (total 1,100 ton weight block for each application)</p> <p>Sand Filling into the Pile upto level -2.875</p> <p>Fabrication of steel reinforcement (5,715 ton)</p> <p>Fabrication of 1,090 nos Precast Member (5,900 cum)</p> <p>Fabrication and Installation of Precast Members</p> <p>31,750 sqm Berth Structure with 5 stages Concrete Pouring (33,890 cum )</p>

# DP World Yarimca Container Port Construction



# PROJECT SYNOPSIS

PROJECT NAME

## Yilport Container Terminal II. Phase Jetty Construction

Project Location	Dilovası / Kocaeli / TURKEY
Client	YILPORT Container Terminal & Port Operators Inc.
Main Contractor	Korfez Marine Construction Co.
Commencement	November, 2013
Scope Summary	<p>Driving steel tubular piles with Ø1219,2mm of diameter and Total number of pile 1032 pieces.</p> <p>Dimensions of 50,00x36,00 m2 , 9 Ano Jetty Construction hydraulic impact hammer</p> <p>32500 m3 Concrete Casting and 5030 tons of cast rebar labour</p> <p>Erection works of Fenders and Bollards</p> <p>Dredging works of the front of Jetty</p> <p>Driving steel tubular piles with Ø1016mm of diameter and Total number of pile 941 pieces.</p> <p>Construction works of Guy and Anchor Caps and Erection works of Tie-Rods. of Tie-Rods.</p>

## Yilport Container Terminal II. Phase Jetty Construction



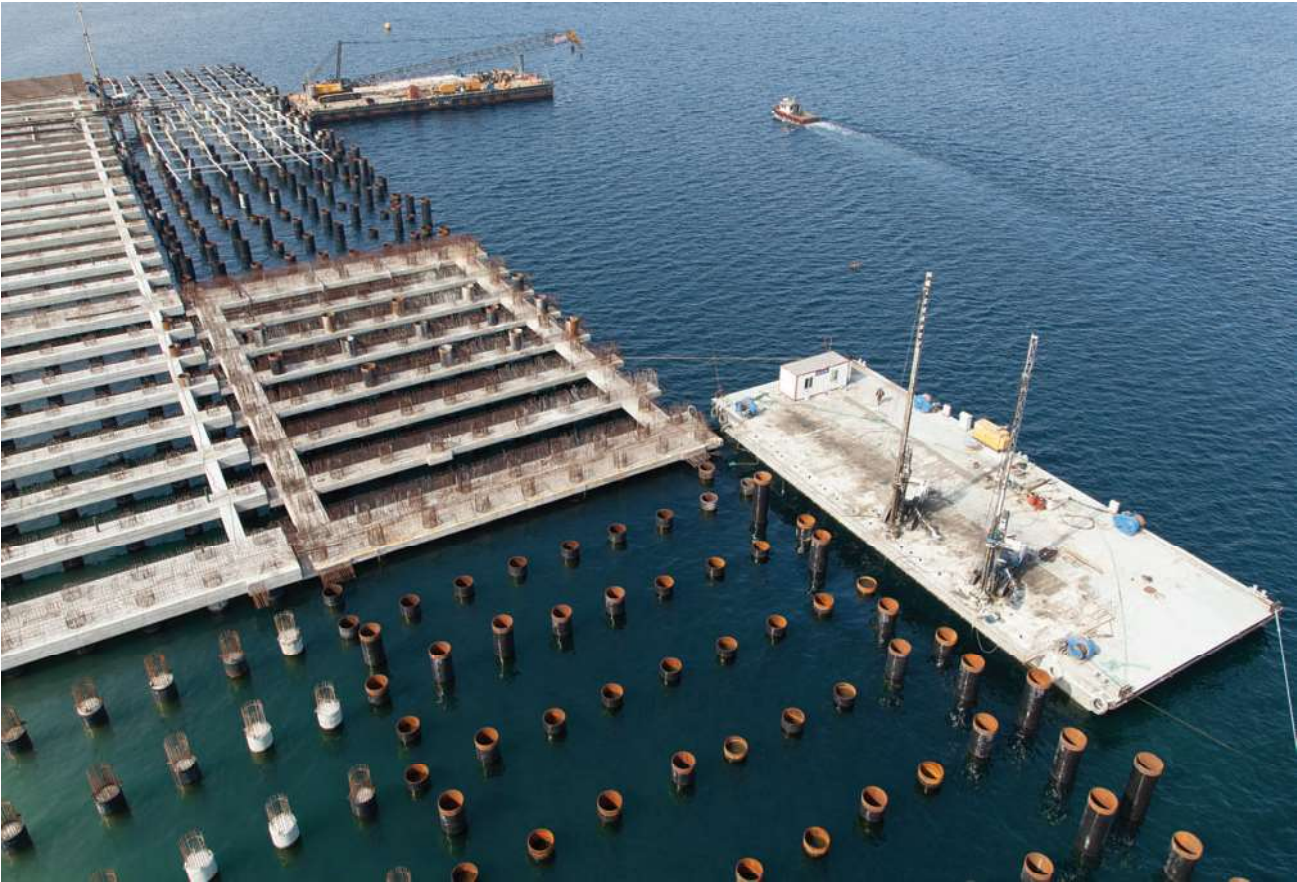
# PROJECT SYNOPSIS

PROJECT NAME

## Gemlik Fertilizer Jetty Construction

Project Location	Bursa / TURKEY
Client	Gemlik Fertilizer Industry Inc.
Main Contractor	Ufuk Marine Construction Co.
Subcontractor	Korfez Marine Construction Co.
Commencement	March 01, 2013
Scope Summary	Installation of driven steel tubular piles in excess of 4600 nos
	Maximum number of piles driven for a single project in Turkey
	Construction of jetty superstructure totaling above 40,000m2

# Gemlik Fertilizer Jetty Construction



# PROJECT SYNOPSIS

PROJECT NAME

## Asyaport Port

Project Location	Barbaros / Tekirdag / TURKEY
Client	Asyaport Liman A.S.
Main Contractor	Korfez Marine Construction Co.
Commencement	January 01, 2013
Completion	December 19, 2013
Scope Summary	Driving Works of steel tubular piles with Ø2200mm of diameter and 20 mm of pile thickness



# Asyaport Port



# PROJECT SYNOPSIS

PROJECT NAME

## Taman Nefte Gas Port

Project Location	Taman / Russia
Client	Nefte Gas - Russia
Main Contractor	Corus Construction Co.
Subcontractor	Korfez Marine Construction Co.
Commencement	July 5, 2009
Completion	December 12, 2012
Scope Summary	Driving 385 pieces of steel tubular piles with 1020-1220 mm OD and 12-14 mm WT (15.288m)
	Total number of pile 437 pieces.

# Taman Nefte Gas Port



# PROJECT SYNOPSIS

PROJECT NAME

## Muslu Port Construction

Project Location	Zonguldak / TURKEY
Client	Eren Enerji Holding
Main Contractor	Korfez Marine Construction Co.
Commencement	May 12, 2008
Completion	June 4, 2012
Scope Summary	<p><b>CONSTRUCTION WORKS</b></p> <p>525 m2 Ro-Ro Ramp, 28 Ø1016/14mm driven piles (740m)</p> <p>9600 m2 Piled Jetty-1, 366 Ø1320,8/22mm driven piles (17695m)</p> <p>6000 m2 Piled Jetty-2, 270 Ø1219,2/16 mm driven piles (9556m)</p> <p>6 Mooring Dolphins, with each 8 raking piles from 1016-1118 mm OD and 16-18 mm WT (1898m)</p> <p>16 Belt Conveyor dolphins, 52 Ø1016/16mm driven piles(2261m)</p> <p>Up to 175.000 DWT with 500,0m turning basin</p>

# Muslu Port Construction



## Isken Port Construction

Project Location	Iskenderun / TURKEY
Client	Iskenderun Enerji Uretim ve Ticaret A.S.
Main Contractor	Korfez Marine Construction Co.
Commencement	March 01, 2008
Completion	December 01, 2008
Scope Summary	2400m2 Piled Jetty



# Isken Port Construction



# PROJECT SYNOPSIS

PROJECT NAME

## Autoport Construction

Project Location	Izmit - TURKEY
Client	Autoport Liman Isletmeleri A.S.
Main Contractor	Korfez Marine Construction Co.
Commencement	July 20, 2007
Completion	December 17, 2007
Scope Summary	<b>CONSTRUCTION WORKS</b>
	Ø1117.6 / 16mm driven piles (6294m)
	Ø1219.2 / 18mm driven piles (1859m)



# Autoport Construction



# PROJECT SYNOPSIS

PROJECT NAME

## Colakoglu Port Construction

Project Location	Izmit / TURKEY
Client	Colakoglu Metalurji A.S.
Main Contractor	Korfez Marine Construction Co.
Commencement	April 07, 2007
Completion	September 07, 2009
Scope Summary	21745m2 Piled Jetty
	Ø914.4 / 12mm driven piles (406pcs.)
	6000 m2 Piled Jetty-2, 270 Ø1219,2/16 mm driven piles (9556m)
	Ø1270 /14mm driven piles (676pcs.)

# Colakoglu Port Construction



# PROJECT SYNOPSIS

PROJECT NAME

## Sanko Port Construction

Project Location	Adana / TURKEY
Client	Sanko Petro Kimya Mamulleri San. Ve Tic. A.S.
Main Contractor	STFA Marine Construction Co.
Subcontractor	Korfez Marine Construction Co.
Commencement	April 01, 2007
Completion	April 01, 2008
Scope Summary	9250m2 Piled Jetty up to 20.000 DWT



# Sanko Port Construction

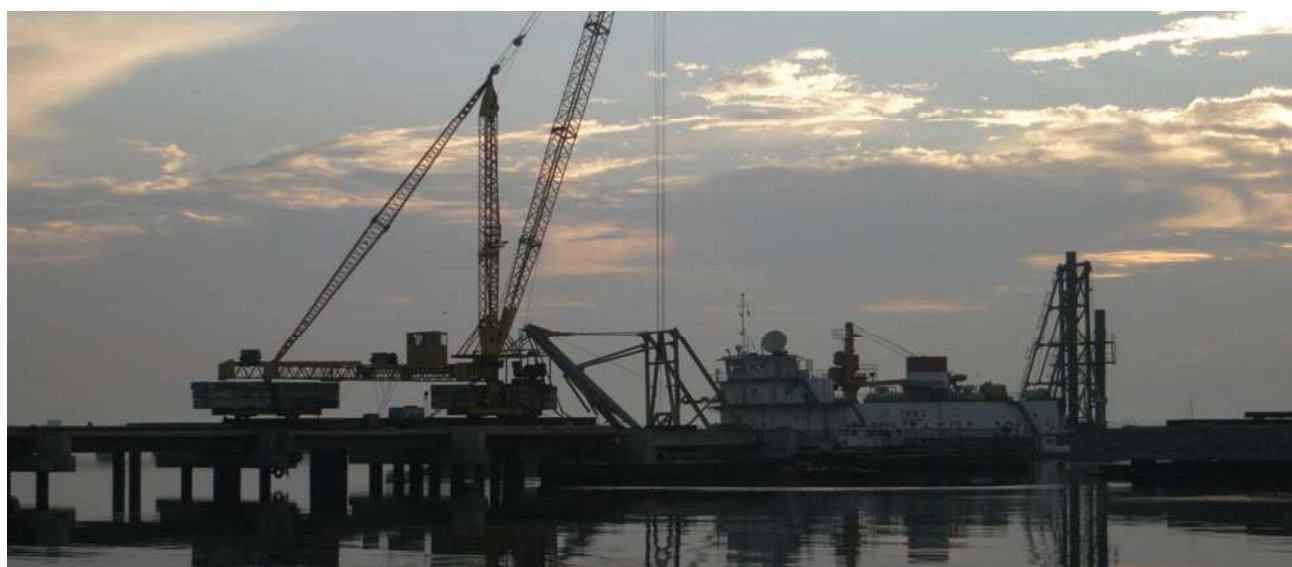


# PROJECT SYNOPSIS

PROJECT NAME

## Port Qasim Port Construction

Project Location	Karachi / PAKISTAN
Client	FWQ Enterprises
Main Contractor	STFA Marine Construction Co.
Subcontractor	Korfez Marine Construction Co.
Commencement	April 01, 2007
Completion	March 15, 2008
Scope Summary	Up to 35.000 DWT piled jetty
	20,0m x 36,6m Loading platform
	2 Berthing & 4 Mooring dolphins



# Port Qasim Port Construction



# PROJECT SYNOPSIS

PROJECT NAME

## Marmaray Project

Project Location	Istanbul / TURKEY
Client	DLH General Directorate
Main Contractor	Taisei Corporation
Subcontractor	Korfez Marine Construction Co.
Commencement	July 01, 2006
Completion	December 22, 2006
Scope Summary	Pile manufacturing & driving
	Production & assembly of steel and concrete members

# Marmaray Project

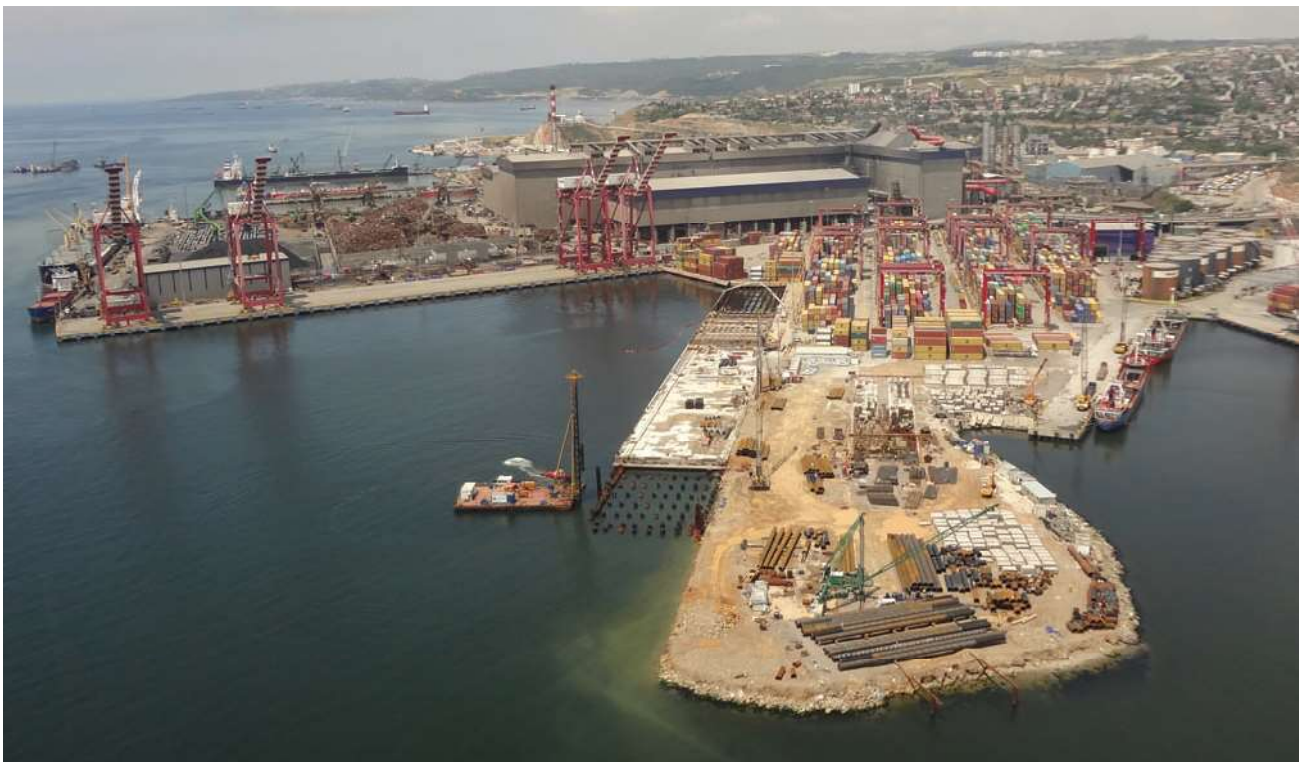


# PROJECT SYNOPSIS

PROJECT NAME

## Yilport Container Terminal I. Phase Jetty Construction

Project Location	Izmit / TURKEY
Subcontractor	Korfez Marine Construction Co.
Commencement	April 7, 2007
Completion	September 7, 2009
Scope Summary	Driving steel tubular piles with 914,4mm OD , 12 mm WT (406 pcs) Driving steel tubular piles with 1270mm OD , 14 mm WT (676 pcs) 21745 m 2 piled jetty

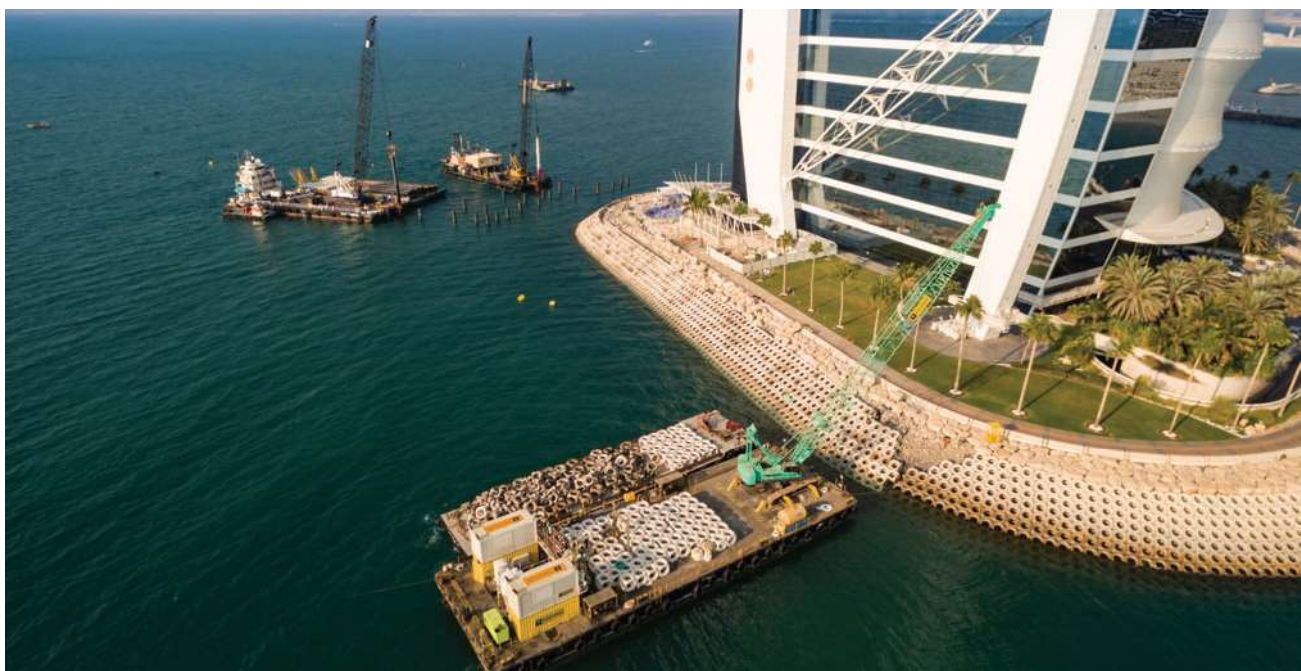


# PROJECT SYNOPSIS

PROJECT NAME

## Burj Al Arab Island Development Project

Project Location	Dubai / UAE
Subcontractor	Korfez Marine Construction Co.
Commencement	September 18, 2015
Completion	March 30, 2015
Scope Summary	<p>Driving steel tubular piles 914 mm OD , 19 mm WT with 25 m length (90 pieces) by hydrolic hammer</p> <p>Testing of piles with PDA / Restrike</p> <p>Conduction of cathodic protection</p> <p>Replacement and renewal of damaged SHED (Shepherd Hill Energy Dissipators) Units throughout Burj Al Arab Island by marine operations. The SHEDs (Total 3370 pcs) are artificial protector layer against wave, flodd etc.</p>



# Burj Al Arab Island Development Project



# PROJECT SYNOPSIS

PROJECT NAME

## Karasu Port B.O.T. Project Offshore Structures Construction Works

Proje Location	Karasu / Sakarya / Turkey
Employer/Investor	IC İtař Sakarya Karasu Port Investment and Operation Co.
Main Contractor	IC İtař Construction Co.
Subcontractor	Körfez Marine Construction Co.
Commencement	09.11.2015
Completion	01.04.2017
Scope Summary	<p>Driving Steel Pipe piles of Ø812.8 mm Diameter, 14 mm wall thickness, 41.5 mt Length (Max) by using our driving equipments ( 557 pieces )</p> <p>75.000 t enrockment works, Construction of Anos in the dimensions of 7 pieces 61x20 m, 1 piece 50x20 m and 1 piece 30x20 m, Dolphins in the dimension of 8 pieces 8x8 m and Catwalk Dolphins in the dimension of 4 pieces 5x2.5 m scope of construction works.</p> <p>Assembling of 31 pieces 80 t Capacity Bollard, 2 pieces 50 t Capacity Bollard, 19 pieces 25 ton Capacity Anchor ring, 58 pieces Fender and 10 pieces Catwalk ways</p> <p>Construction of 40 pieces Dometic flow Manhole, Constructon of rain water drainage canal 670 mt, Construction of rain water drainage canal back to port 490 mt,</p>

# Karasu Port B.O.T. Project Offshore Structures Construction Works



# PROJECT SYNOPSIS

PROJECT NAME

## Sönmez Cement Port Construction

Proje Location	Yumurtalık / Adana / Turkey
Employer/Investor	Sönmez Çimento Port Project
Main Contractor	Sönmez Çimento Yapı ve Madencilik San. ve Tic. A.Ş.
Subcontractor	Körfez Marine Construction Co.
Commencement	05.04.2017
Scope Summary	<ul style="list-style-type: none"> <li>• Construction of piled jetty and dolphins (9.842 m<sup>2</sup>)</li> <li>• Driving steel tubular piles with 1219 mm OD and 14 mm WT with length varying between 27 m to 32 m (391 no's)</li> <li>• Installation of fenders, bollards and quick release hooks</li> <li>• Formwork workmanship (36.810 m<sup>2</sup>)</li> <li>• Fabrication of steel reinforcement (3.037 ton)</li> <li>• Casting In-situ Concrete (30.377 m<sup>3</sup>)</li> </ul>



## Sönmez Cement Port Construction



# PROJECT SYNOPSIS

PROJECT NAME

## Aliğa Fsrü LNG Terminal

Proje Location	Aliğa-İzmir / Turkey
Main Contractor	KOLİN-KALYON JV
Subcontractor	Körfez Deniz İnşaat
Commencement	11.05.2016
Completion	12.11.2016
Scope Summary	<p>Construction of Piled Jetty and Dolphins (4983 m<sup>2</sup>) Driving steel tubular piles with 1168 mm OD and 19 mm WT and 35 mt length(max) by marine vessels (334 pieces).</p> <p>350 meter piled jetty 46x25 mt loading platform / 18x12,5 mt Loob slab (2 pieces) / Dolphins - max 15x28x2,5 mt (9 pieces) / Catwalk dolphins (13 pieces) construction.</p> <p>Quick release hook-150 ton(11 pieces) Fender(6 pices) / Catwalk (16 pieces) installation</p> <p>Formwork workmanship - 6675 m<sup>2</sup> Fabrication of Steel Reinforcement (1500 ton) Casting In-situ Concrete (11416 m<sup>3</sup>)</p>

# Aliğa Fsrü LNG Terminal



# EQUIPMENT & MACHINERY

# MARINE EQUIPMENTS

Erdeniz - 4 - Barge	16,50m x 60m x 2,80m	1
Kapıkulu - Barge	19,20m x 51,00m x 3,00m	1
Körfez Deniz - Barge (40 M Pile Driving Tower)	16,50m x 40,32 x 2,50m	1
Körfez Deniz - 1 - Barge (36 M Pile Driving Tower)	15,00m x 32,00m x 2,20m	1
Körfez Deniz - 2 - Floating Crane (50 Ton)	17,15m x 33,50m x 3,00m	1
Ufuk Deniz - Barge (40 M Pile Driving Tower)	16,00m x 32,00m x 2,25m	1
Kum 15 - Split Barge	7,80m x 44,00m x 2,75m - 300m <sup>3</sup>	1
Kaptan - 5 - Service Barge (With Concrete Mixer)	8,94m x 17,94m x 1,73m	1
Aliço 3 - Service Barge	9,00m x 14,90m x 0,85m	1
Beton - 1 - Barge (With Concrete Mixer)	8,05m x 12,00m x 1,52m	1
Beton - 2 - Barge (With Concrete Mixer)	7,90m x 12,00m x 1,46m	1
Reis Feyzi - Tug Boat(1100 Hp)	5,90m x 19,95m x 2,40m	1
Balaban - 2 - Tug Boat(800 Hp)	5,90m x 18,43 x 2,80m	1
Yeditepe - Service Boat (420 Hp)	4,05m x 9,93m x 1,70m	1
Udi - 1 - Service Boat (200 Hp)	2,90m x 10,22m x 1,20	1
Udi - 2 - Service Boat (200 Hp)	2,90m x 10,22m x 1,20	1
Küçük Reis - Service Boat (957 Hp)	3,90m x 11,00m x 1,86m	1
Efe Ufuk - Service Boat (240 Hp)	2,50m x 9,00m x 1,30m	1
Ses - Emergency Boat (150 Hp)	2,55m x 7,00m x 0,50m	1
Hidrolik Polip - Clamshell	3m <sup>3</sup>	2
Mekanik Polip - Clamshell	10m <sup>3</sup>	1
Flygt Pompa - Çamur Pompası	8"	1

# EQUIPMENT & MACHINERY

## CRANES

Quy-250 - Crawler Crane	250 Ton	1
American 9270 - Crawler Crane	150 Ton	1
Link Belt-Ls 128 - Crawler Crane	60 Ton	1
American-5299 - Crawler Crane	55 Ton	1
Sennebogen 835 R - Crawler Crane – Excavator	55 Ton	1
Sennebogen S 835 R - Crawler Crane – Excavator	55 Ton	1
Ringer - Floating Crane	90 Ton*M	1
Noyan - Derick Crane	375 Ton*M	1
Grove - Mobile Crane	35 Ton	1
Tobruk - Portal Crane	50 Ton	1
Dpw - Portal Crane	30 Ton	1
Mekke - Portal Crane	8 Ton	4

# PILE DRIVING / DRILLING EQUIPMENT

Wirth Pba-818 - Rcd Drill Rig	180 Knm	1
Soilmec Rt3-St - Rotary	210 Knm	1
Ice I-125 - Impact Diesel Hammer	429.710 Nm	1
Ice I-100 - Impact Diesel Hammer	353.040 Nm	1
Delmag 100-13 - Impact Diesel Hammer	360.000 Nm	1
Delmag 80-23 - Impact Diesel Hammer	288.000 Nm	1
Delmag 62-22 - Impact Diesel Hammer	223.200 Nm	6
Delmag 46-32 - Impact Diesel Hammer	165.600 Nm	2
Delmag 30-32 - Impact Diesel Hammer	102.300 Nm	1
Ptc 50hd2 - Vibro Hammer	50 Kgm	1
Dieseko Pve-38m - Vibro Hammer	38 Kgm	1
Ptc 25h - Vibro Hammer	25 Kgm	1
Grab - Grab	900 Mm	1
Grab - Grab	1550 Mm	1





# KÖRFEZDENİZ İNŞ. TAAH. SAN. VE TİC. LTD. ŞTİ.

Cevizli Mah. Zuhul Cad. No:44/BA Ofis No:223  
Ritim İstanbul Konutları  
Maltepe / İstanbul - TÜRKİYE

---

Tel: +90 216 572 53 72 Fax: +90 216 572 32 87  
e-mail: info@korfezdeniz.com.tr  
www.korfezdeniz.com.tr