

# DAMMAM YARD

KINGDOM OF SAUDI ARABIA



SAIPEM



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## SAIPEM TAQA AL-RUHAID FABRICATORS COMPANY LTD (STAR)

### TECHNICAL SPECIFICATIONS

#### GENERAL INFORMATION

- Overall area: 521,638 m<sup>2</sup>
- Overall office area: 27,000 m<sup>2</sup>
- Overall fabrication area: 494,638 m<sup>2</sup>
- Distance to closest international airport: 20 km
- Free trade zone: no
- Average annual temperature: 27 °C
- Average annual rainfall: negligible

#### OFFICES AND ACCOMMODATION

- Office area: 3,000 m<sup>2</sup>
- Client office area: 1,500 m<sup>2</sup>
- Training center: 1,600 m<sup>2</sup>
- Accommodation area (including recreation facilities): 14,000 m<sup>2</sup>
- Accommodation beds: 955

#### FABRICATION AREA

- Overall covered fabrication area: 25,500 m<sup>2</sup>
- Overall open fabrication area: 469,138 m<sup>2</sup>

##### Structural steel fabrication area

- Covered workshop: 16,000 m<sup>2</sup>
- Outside workshop and heavy welding line: 10,500 m<sup>2</sup>

##### Piping fabrication area

- Workshop for carbon steel: 6,006 m<sup>2</sup>
- Heavy/light welding line: 5,400 m<sup>2</sup>

##### Blasting/painting area

- Covered workshop: 3,500 m<sup>2</sup>
- Open area: 7,000 m<sup>2</sup>

##### Assembly area

- Covered: 4,805 m<sup>2</sup>
- Open area: 1,519 m<sup>2</sup>

##### Erection area

- Overall open area: 213,000 m<sup>2</sup>
- Soil bearing capacity: 30 t/m<sup>2</sup>

##### Warehouse & bulk storage area

- Covered: 8,162 m<sup>2</sup>
- Open: 100,000 m<sup>2</sup>

##### Maintenance shop area

- Covered: 1,386 m<sup>2</sup>

#### QUAY

- Total length: 345 m
- Reinforced length: 50 m
- Soil bearing capacity: 50 t/m<sup>2</sup>
- Distance to open sea: 1,000 m
- Water min. depth: 6 m
- Tide variation: 2.3 +/- m

#### YARD EQUIPMENT

##### Preparing, beveling and welding

- 1 x Rolling machine  
Max. thickness: 25.30 mm  
Max. width: 3,100 mm
- 2 x Profiling machine (plate)  
Max. cutting width: 4,300 mm  
Max. cutting length: 24,000 mm
- 2 x Profiling machine (pipe)  
Max. length: 12,000 mm  
Max. diameter: 1,525 mm

##### Welding machines

- 497 x SMAW
- 380 x MIG/FCAW
- 70 x TIG
- 5 x SAW
- 16 x Pipe cutting and beveling machine  
Capacity: 2" to 36"
- 1 x Lathe machine  
Max. diameter: 370 mm
- 1 x Boring machine  
Capacity: 50 mm-400 mm

##### Lifting and handling

- 6 x Crawler crane  
Capacity max.: 400 t

- 2 x Gantry crane  
Capacity max.: 50 t
- 15 x Mobile crane  
Capacity max.: 90 t
- 17 x Overhead crane  
Capacity max.: 60 t
- 8 x Forklift  
Capacity max.: 35 t
- 9 x Multiwheels  
Capacity max.: 600 t
- 5 x Cherry picker
- 8 x Electro-hydraulic winch  
Capacity max.: 20 t

#### YARD GENERAL FABRICATION CAPACITY

- Annual tonnage: 22,000 t/year
- Annual man-hours: 5,000,000 mhrs/year
- Largest jacket weight: 4,400 t
- Largest module weight: 4,400 t
- Load out method: skidding, multiwheels, cranes

#### CERTIFICATIONS

- ISO 9001-2015
- ISO 45001-2018
- OHSAS 18001: 2007

## DID YOU KNOW?

THE TP-9 DECK, A 3,200-T TIE-IN PLATFORM BUILT IN STAR IN 2016, IS THE BIGGEST OFFSHORE STRUCTURE EVER FABRICATED IN SAUDI ARABIA UP TO DATE.

Established in 2007, Saipem Taqa Al-Rushaid Fabricators Company Ltd (STAR), is a Limited Liability Partnership between Taqa Al-Rushaid for Marine Works Co. Ltd. and Saipem International BV. The aim of the company is to fabricate offshore structures & accessories at King Abdul Aziz Port of Dammam. This major initiative of fabricating platforms for the offshore oil and gas fields is the first of its kind in the Kingdom of Saudi Arabia.