

KARIMUN YARD

SAIPEM INDONESIA



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YARD FOR THE FABRICATION OF JACKETS, TOPSIDES, MODULES AND INTEGRATION OF TOPSIDES ONTO HULLS IN OIL & GAS, RENEWABLES & INFRASTRUCTURES PROJECTS

TECHNICAL SPECIFICATIONS

GENERAL INFORMATION

- Overall area: 1,477,556 m²
- Overall office area: 6,276 m²
- Overall covered production area: 63,357 m²
- Overall outdoor production area: 756,062 m²
- Overall covered storage area: 10,413 m²
- Overall outdoor storage area: 112,873 m²
- Overall camp accommodation area: 151,792 m²
- Other service area (roads, slopes, cliffline, gates, etc.): 376,783 m²
- Client office area: 1,650 m²
- Training center: 1,326 m²
- Canteen and kitchen extension: 3,750 m²
- Distance to the closest international airport: 90 km
- Average annual temperature: 26.7°C
- Average annual rainfall: 2,250 mm

PRODUCTION AREA

Steel structural prefabrication

- Prefabrication workshops area 34,723 m²

Piping prefabrication

- Workshop for carbon steel piping: 6,580 m²
- Workshop for exotic steel piping: 3,290 m²
- Heavy/light welding line: 21,000 m²

Surface protection

- Painting workshops areas: 14,425 m²
- Sandblasting cabin area: 16,699 m²
- Outdoor assembly/erection area: 756,062 m²
- Soil bearing capacity: 15 to 40 t/m²

QUAY

- Length: 855 m
- Reinforced length: 100 m
- Soil bearing capacity: 10 to 50 t/m²
- Distance to open sea: 50 m
- Water min. depth: 9 m, variable ±2m
- Tide variation: 2.5 to 3.5 m

MAIN YARD EQUIPMENT

Fabrication equipment

- Plate-edge milling machine: 1
- Beam-coping machine: 2
- Plate-rolling machine: 2
- Pipe-profiling machine: 3
- Plate oxy-cutting machine: 4
- Plate-shear machine: 1
- Universal profile bending machine: 1
- Band-saw cutting machine: 3
- Hyd-press 1,500 t: 1
- Welding machine: 1,804

Mobile cranes

- Crawled cranes above 300 t capacity: 2
- Crawled cranes 150 to 300 t capacity: 6
- Crawled cranes below 150 t capacity: 1
- Wheeled cranes 60 to 110 t capacity: 3
- Wheeled cranes below 60 t capacity: 18

Other lifting & handling equipment

- Tower crane 1000 t capacity: 1
- Harbour crane 208 t capacity: 2
- SPMT 600 t capacity: 8
- SPMT 80 ton capacity: 7
- Trailer multiwheels 80 - 200 ton capacity: 16
- Forklift 36 to 45 t capacity: 4
- Reach stacker 45 t capacity: 1

YARD GENERAL FABRICATION CAPACITY

- Annual tonnage: up to 60,000 t/year
- Annual manhours (nominal): 10,000,000 m.hrs/year
- Largest jacket weight: 15,000 t
- Largest module weight: 15,000 t
- Loadout method: skid-ways, SPMT, cranes

CERTIFICATIONS

- ISO 9001-2015
- ISO 3834-2
- ISO 14001:2022
- ISO 45001:2018
- EN 1090:2011
- OHSAS 18001:2007

TYPICAL FEATURES AND FACILITIES OF THE YARD

- Marine base: 36,245 m²
- Skidways with soil bearing capacity: 50 t/m²

Saipem Karimun Yard is located on Karimun Island (Indonesia) 30 km away from Singapore Island and from Batam Island (Indonesia). Comprising a marine supply base and a fabrication area of over 780,000 m², with an annual production capacity of 35,000 t, it is one of the largest fabrication facilities for the energy industry in the Asia Pacific region, also serving projects worldwide.

DID YOU KNOW?

THE WORLD LARGEST INTEGRATED TOPSIDE MODULE (14,273 T) WAS LOADED-OUT BY SKIDDING METHOD ONTO THE JANGKRIK FPU HULL IN 2016 AT SAIPEM KARIMUN YARD