

GUARUJÁ YARD

BRAZIL

YARD



GUARUJÁ YARD

SAIPEM DO BRASIL

CTCO - OFFSHORE TECHNOLOGY AND CONSTRUCTION CENTRE FABRICATION AND MARINE BASE

TECHNICAL SPECIFICATIONS

GENERAL INFORMATION

- Overall area: 354,000 m²
- Overall open area: 235,000 m²
- Overall covered fabrication, warehouse and maintenance areas: 25,600 m²
- Overall office and facilities areas: 10,000 m²
- Other yard areas: 83,000 m²
- Distance to closest international airport: 95 km
- Average annual temperature: 24.7 °C
- Average annual rainfall: 284.4 in
- Soil bearing capacity: 10 t/m²

OFFICES AND FACILITIES

- Office area: 7,200 m²
- Canteen and vest rooms: 2,800 m²

FABRICATION AND MARINE BASE AREA

Structural steel fabrication area

- Covered workshop: 4,704 m²

Piping fabrication area

- Workshop for carbon steel: 6,437 m²
- Workshop for exotic materials: 864 m²
- Heavy/light welding line: 4,704 m²

Blasting/painting area

- Covered workshop: 1,056 m²

Warehouse & bulk storage area

- Covered: 3,360 m²

Maintenance area

- Covered: 4,464 m²

QUAY

- Length: 580 m
- Reinforced length: 505 m
- Soil bearing capacity: 10 t/m²
- Distance to open sea: 4 km
- Water min. depth: 12 m
- Tide variation: 1.1 +/- m

YARD EQUIPMENT

Preparing, beveling and welding

- Rolling machine
Max. thickness: 60 mm
Max. width: 4,000 mm
- Profiling machine (plate)
Max. cutting width: 4,000 mm
Max. cutting length: 26,000 mm

Welding machines

- 48 x SMAW
- 16 x MIG/MAG (GMAW)
- 25 x TIG (GTAW)
- 48 x FCAW
- 5 x SAW (TANDEM)
- 7 x GOUGING

Lifting and handling

- Tower crane
Capacity max.: 350 t
- Mobile crane
Capacity max.: 60 t
- 26 x Overhead crane
Capacity max.: 64 t
- 2 x Forklift
Capacity max.: 7 t

- Multiwheel
Capacity max.: 600 t
- Cherry picker
Additional equipment available upon request

YARD GENERAL FABRICATION CAPACITY

- Annual tonnage: 9,000 t/year
- Annual man-hours: 1,500,000 mhrs/year
- Largest jacket weight: 10,000 t
- Largest module weight: 4,000 t
- Load out method: skidding, multiwheels, cranes (350 t tower crane)

CERTIFICATIONS

- ISO 9001: 2015
- ISO 14001: 2015
- OSHAS 18001: 2007

Saipem developed the CTCO in 2011, strategically located in Santos Basin, SP. The combination of this fabrication and marine base facility, with the Engineering Center of excellence based in the company's headquarters in Rio de Janeiro, made it possible to deliver EPCI projects enhanced with local content for the Brazilian oil and gas industry.

DID YOU KNOW?

FROM 2012 TO 2014, THE CTCO GENERATED AROUND 5,000 JOBS IN BRAZIL AND AROUND 2,000 IN THE BAIXADA SANTISTA REGION.