

SAIPEM 7000

SEMI-SUBMERSIBLE CRANE
AND PIPELAYING (J-LAY) DP VESSEL



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WORKABILITY

SELF PROPELLED
SEMI-SUBMERSIBLE HULL
FOR EXTENDED WORKING WINDOWS

TECHNICAL SPECIFICATIONS

MAIN FEATURES

- Length overall: 197.95 m
- Upper platform: 175 m x 87 m x 8.5 m
- Lower pontoons: 165 m x 33 m x 11.25/15.25 m
- Free deck area: 9,000 m²
- Deck load: 15,000 t
- Operating draft: 27.5 m
- Transit draft: 10.5 m
- Transit speed: 9.5 kn

HULL TYPE

- Self-propelled, dynamically-positioned, semi-submersible

MOORING SYSTEM

- 14 x 1,350 kW single drum winches, each 3,350 m x 3 3/4" mooring line and 40 t high holding power anchor
- Fully redundant SDPM system 2 anchor windlasses, each 550 m x 5 1/8" chain and 34.5 t anchor

PROPULSION AND THRUSTERS

- Aft propulsion azimuthing units: 4 x 4,500 kW
- Fore retractable azimuthing units: 4 x 3,000 kW
- Fore retractable azimuthing units: 2 x 5,500 kW
- Bow tunnel thrusters: 2 x 2,500 kW

CAPABILITY

DEEP WATER INSTALLATION
PIPELAY AND HEAVY LIFTING

BALLAST SYSTEM

- 4 x 6,000 m³/h ballast pumps
- 40 ballast tanks - Total 81,040 m³
- 14 rapid ballast tanks - Total 26,000 m³

LIFTING FACILITIES MAIN CRANE

- 2 x twin Saipem 7000 model fully revolving bow mounted Amhoist cranes
- Main blocks tandem lift: 14,000 t
- Main block single lift: 7,000 t
- 6,000 t revolving at 45 m rad./50 m tieback
- Aux. 1 block: 2,500 t
- Aux. 2 block: 900 t
- Lowering capability to 450 m below sea level
- Whip hook: 120 t

PILE DRIVING/HANDLING EQUIPMENT AVAILABILITY

- 2 x Menck MHU 3,000 hydraulic hammers
- 2 x Menck MHU 1,700 hydraulic hammers
- 2 x Menck MHU 1,000 hydraulic hammers
- 2 x Menck MHU 600 hydraulic hammers
- 1 x Menck MHU 220 hydraulic hammer
- 1 x Menck MHU 195 hydraulic hammer

POWER PLANT

- Total power plant: 70,000 kW
- 12 x diesel generators on heavy fuels divided in 6 fire segregated engine rooms

PERFORMANCE

IMPROVED FUEL EFFICIENCY
REDUCED CARBON FOOTPRINT

ACCOMMODATIONS

- 388 fully AC single or double cabins
- Total: 725 persons

HANDLING DECK EQUIPMENT

- 73 t Manitowoc Crawler crane
- 35 t hydraulic wheeled deck crane
- 2 x fork lifts (5 t and 7 t)

J-LAY SYSTEM

- Pipe diameter range from 4" to 32"
- Main laying tension system 750 t with tensioners, up to 2,000 t with friction clamps
- Laying tower angle 90° - 110°
- Abandonment/Recovery system double capstan winch with 750 t capacity (up to 2,000 t with clamps)
- Pipe string quadruple joint
- Pipe storage capacity up to 6,000 t

HELIDECK

- Suitable for two BV234 LR Chinook helicopters (one parked)
- Classified helicopter refueling system

With its state-of-the-art J-lay tower, upgraded dynamic positioning capability up to the highest industry standards and fast ballasting system, the Saipem 7000 semi-submersible crane vessel has the capacity to handle the entire workscope of offshore construction developments worldwide, encompassing pipelaying in water depths greater than 2,000 m and heavy lift operations up to 14,000 t.

DID YOU KNOW?

THE SAIPEM 7000
HAS THE CAPABILITY
TO RUN IN DP III WITH
CLOSED BUS NETWORKS,
FOR WHICH SHE RECEIVED
THE ABS EHS-P NOTATION