







Sesemisubmersible derrick and pipelayi

HULL TYPE

Self propelled dynamically positioned semisubmersible

VESSEL 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
- Depth to main deck 43.5 m
- Free deck area 9,000 sq. m
- Deck load 15,000 tonnes
- Operating draft 27.5 m
- Survival draft 18.5 m
- Transit draft 10.5 m
- Transit speed 9.5 knots

CLASSIFICATION

Lloyds Register and R.I.Na.

COMPLIANCE

NMD, HSE, USCG Rules.

SPECIAL FEATURES Designed for tropical (+ 45° C)

and arctic conditions (-20° C)

<u>DYNAMIC POSITIONING</u> DP (AAA) Lloyds Register notation. IPD 3 R.I.Na.

Class 3 Norwegian Maritime Directorate notation. First vessel to receive LR highest DP (AAA) notation. SDPM 31 system and standby additional back-up of SDP 11 control station with separate computer, UPS, gyros, environmental sensors position reference systems.



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Sasaipem 700000

MOORING SYSTEM

14 x 1,350 kw single drum winches, each 3,350 m x 3 ¾" mooring line and 40 tonnes Norshore III high holding power anchor. Fully redundant SDPM system.

2 anchor windlasses, each 550 m x 5 ½" chain and 34.5 tonnes anchor.

PROPULSION AND THRUSTERS

4 x 4,500 kw propulsion azimuthing units, fixed pitch 4 x 3,000 kw retractable azimuthing units, fixed pitch 2 x 5,500 kw retractable azimuthing units, fixed pitch 2 x 2,500 kw bow tunnel units, fixed pitch.

BALLAST SYSTEM

Computer controlled system with simulation capabilities comprising

4 x 6,000 tonnes/h ballast pumps 40 ballast tanks – Total 83,700 cu. m 14 rapid ballast tanks – Total 26,000 cu. m

LIFTING FACILITIES MAIN CRANE

2 twin Saipem 7000 model fully revolving bow mounted AMHOIST cranes.

Main blocks tandem lift: 14,000 tonnes Main block single lift: 7,000 tonnes

6,000 tonnes revolving at 45 m rad./50 m tieback

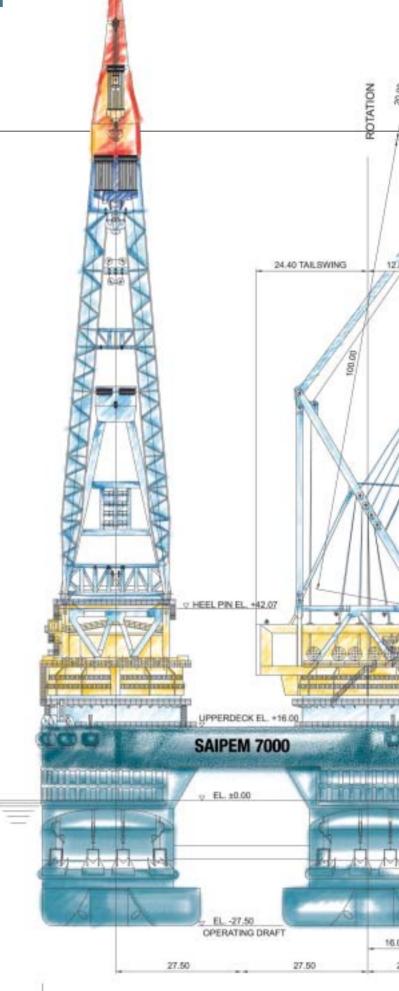
Aux. 1 block: 2,500 tonnes Aux. 2 block: 900 tonnes

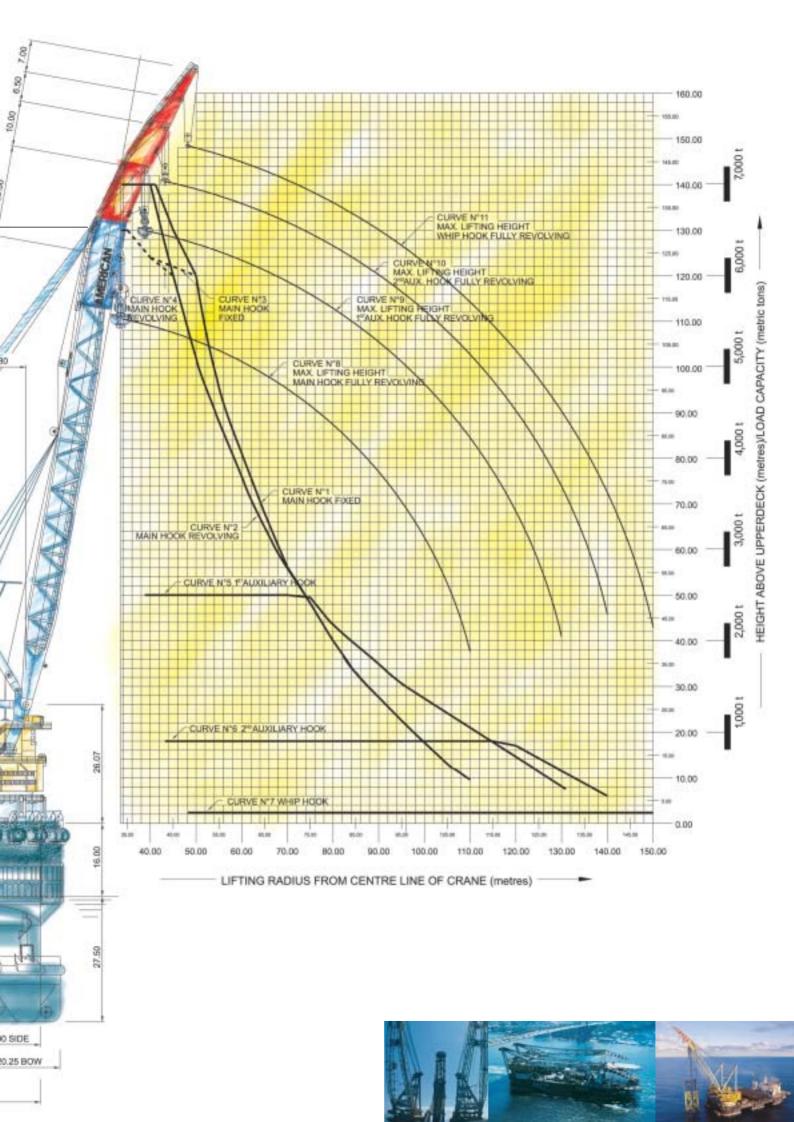
Lowering capability to 450 m below sea level

Whip hook: 120 tonnes

4 fully revolving hydraulic cranes 25 tonnes lifting

capacity













PILE DRIVING/HANDLING EQUIPMENT AVAILABILITY

- 2 Menck MHU 3,000 hydraulic hammers.
- 2 Menck MHU 1,700 hydraulic hammers.
- 2 Menck MHU 1,000 hydraulic hammers.
- 2 Menck MHU 600 hydraulic hammers.
- 1 Menck MHU 220 hydraulic hammer.
- 1 Menck MHU 195 hydraulic hammer.
- 2 underwater/surface power packs.
- 1 hydraulic hammer compensator.
- "Slim" and "Free" riding mode capability.
- Full spread of internal/external lifting clamps ranging
- Full spread of internal/external lifting clamps ranging from 20" to 102" i./o. dia.
- 2 levelling systems range 66" 72" dia. 900 t. capacity.
- 2 external levelling systems 1,000 tonnes

HANDLING DECK EQUIPMENT

- 1 150 tonnes AMHOIST 9299 Crawler crane
- 1 35 tonnes hydraulic tyred deck crane
- 2 5 tonnes fork lifts

POWER PLANT

Total power plant 70,000 kw, 10,000 Volt 12 diesel generators on heavy fuels divided in 6 fire segregated engine rooms classified UMS

CREW FACILITIES

388 fully AC single or double cabins for 725 persons Gym, cinema, internal radio/TV,

400 seat main messroom

70 seat officers messroom, recreation room, bar-cafeterias

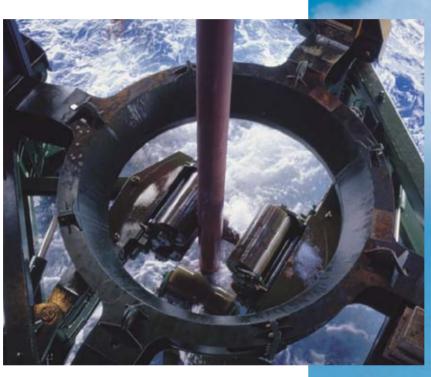


Sasaipem 7000 00

HELIDECK

Suitable for two BV234 LR Chinook helicopters (one parked).

Classified helicopter refueling system.



J-LAY SYSTEM

Pipe diameter range from 4" to 32" Main laying tension system 525 tonnes with tensioners, up to 2,000 tonnes with friction clamps Laying tower angle 90° - 110° Abandonment/Recovery system double capstan winch with 550 tonnes capacity (up to 2,000 tonnes

with clamps)

1 welding station

1 NDT and field joint station

Pipe string quadruple joint

Pipe storage capacity up to 6,000 tonnes.

The tower is self erecting and removable

by the Saipem 7000 own cranes.







People, ideas, energy.