

VESSEL

SANTORINI

7TH GENERATION ULTRA DEEPWATER DRILLSHIP

SAIPEM

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ULTRA DEEPWATER DRILLSHIP

RELIABILITY

OUTFITTED WITH TWO COMPLETE 7 CAVITIES BOP'S STACK ONBOARD TO OPTIMIZE MAINTENANCE AND ENHANCE OVERALL DRILLSHIP RELIABILITY AND SAFETY.

EFFICIENCY

DESIGNED FOR FULL DUAL ACTIVITY.

WELL COMPLETION

EQUIPPED WITH EXTENDED WELL TEST AREA AND ONE BURNER BOOM.

TECHNICAL SPECIFICATIONS

CLASSIFICATION
- ABS
- +A1 Drillship, EO, +AMS, +ACCU, +CDS, +DPS-3

Additional class notation:
- BWT, CRC, DLA,ENVIRO-OS, IHM, OHCM, RRDA, RW, UWILD, UNIT DESIGN, Samsung Heavy Industries.

WATER DEPTH
- Up to 12,000 ft (3,658 m).

DRILLING DEPTH
- 40,000 ft (12,192 m).

STATION KEEPING
- DP class 3.

MAIN DIMENSIONS
- Length overall: 228 m.
- Breadth: 42 m.
- Elevation above baseline: 19 m.
- Operating draft: 12 m.
- Displacement: 96,000 t.

CAPACITY
- Variable deck load: 20,000 mt.

POWER SYSTEM GENERATORS
- Six (6) Wartsila 16V32/40 coupled with ABB AMG0900MR10 LSE

THRUSTER
- Six (6) ROLLS-ROYCE azimuthal thrusters, 5,500 kW each, de-mountable type.

DERRICK
- Dual type height 210 ft.
- SHL main rig 2,500,000 lbs
- SHL aux rig 2,000,000 lbs racking capacity up to 14" casing.

MOTION COMPENSATOR ON DERRICK
- Each rig is equipped with Crown motion compensator and Active Heave Compensator.

DRAWWORKS
- Main Rig: NOV-SSGD-1250-6900-57-100-10.5 (6900 hp).
- Aux. Rig: NOV-SSGD-1000-5750-55-82-10.5 (5750 hp).

TOP DRIVE
- Two (2) NOV TDX-1250 rated capacity 1,250 st maximum continuous torque 105,000 ft.lbs at 130 rpm working pressure 7,500 psi.

ROTARY TABLE
- One (1) NOV RST 755, opening 75.1/2",rated capacity 1,375 st. One (1) NOV RST 605-2G, opening 60.1/2", rated capacity 1,000 st.

MUD PUMPS
- Five (5) NOV 14-P-220, 2,200 HP working pressure 7,500 psi WP.

MUD TANKS
- Total capacity (active + reserve mud) 18,304 bbls.

BOP
- Two (2) complete stack NOV-Shaffer 18.3/4" - 15,000 psi with two annular preventers and seven ram cavities, API S53 compliant.

DIVERTER
- 21.1/4" - 500 psi

RISERS
- NOV FT-HB, 90 ft length

CRANES
- Two (2) NOV knuckle boom cranes, rated capacity 85 mt.
- Two (2) NOV knuckle boom cranes, rated capacity 100 mt.
- One dedicated Helideck crane, rated capacity 10 mt.

HELIDECK
- Suitable for eh-101 helicopter type with capacity of 14.6 mt.

CREW FACILITIES
- Air-conditioned living quarters for 215 people.

*These specifications are intended for general reference purposes only and may vary according to the contract situations and customer needs

The ultra-deepwater drillship Santorini is an innovative and advanced drillship capable of worldwide, year-round operations in exploration, appraisal, development drilling as well as well completion activities. Among her chief benefits: the high pay load capacity, at more than 20,000 t, allows the loading of large quantities of consumables, reducing the need of frequent reloading and the number of required supply vessel trips, thus cutting overall operating costs for the client. The large capacity of living quarters (215 beds) and the outfitting with two complete last generation stack bop's that allows to the vessel to operate in fields where the most severe standard conditions of well control equipment are required.

DID YOU KNOW?

SANTORINI HAS MADE A FURTHER STEP TOWARDS THE MOST POPULAR DRILLSHIP DESIGN