

SANTORINI

7TH GENERATION ULTRA DEEPWATER DRILLSHIP



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RELIABILITY

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

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

- DP class 3
- 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. Total installed power 43.2 MW, eight azimuth thrusters Wartsila, driven by 4,300 kW electric motor

POWER SYSTEM GENERATORS

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

EFFICIENCY

DESIGNED FOR FULL DUAL ACTIVITY

THRUSTER

- Six (6) ROLLS-ROYCE azimuthal thrusters, 5,500 kW each, demountable 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- SGD-1250-6900-57-100-10.5 (6900 hp)
- Aux. Rig: NOV- SGD-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

AUTOMATION

EQUIPPED WITH FULLY AUTHOMATED DRILLING PACKAGE

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

RISERS

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

CREW FACILITIES

- Air-conditioned living quarters for 215 people

* These specifications are intended for general reference purposes and may vary according to the contract situation 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 payload 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