DEEPWATER ASGARD

ULTRA-DEEPWATER DUAL-ACTIVITY DRILLSHIP

GENERAL DESCRIPTION

Design / Generation	DSME 12000 Ultra Deepwater Drillship
Constructing Shipyard	DSME (South Korea)
Year Entered Service / Significant Upgrades	2014
Classification	DNV X1A1 Ship-Shaped Drilling Unit BIS Crane-Offshore DRILL DYNPOS(AUTRO-CBT) EO HELDK
Flag	Marshall Islands
Dimensions	781 ft. (238 m) long x 138 ft. (42 m) wide x 62 ft. (19 m) deep
Drafts	39.4 ft. (12 m) operating / 29.5 ft. (9 m) transit
Accommodation	200 persons
Displacement	114,640 st. (104,000 mt) operating
Variable Deck	22,636 st. (20,535 mt) operating / 22,636 st. (20,535 mt) transit
Transit Speed	up to12.5 knots
Maximum Water Depth	12,000 ft. (3,658 m) designed / 10,000 ft. (3,048 m) outfitted
Maximum Drilling Depth	40,000 ft. (12,192 m)



DRILLING EQUIPMENT

Derrick	Dual Aker MH Pyramid Dynamic Derrick 213 ft. (65 m) x 69 ft. (21 m) x 52 ft. (15.8 m)
Hook Load Capacity	(Main) 1,400 st. (1,270 mt) capacity, (Aux) 1,100 st. (998 mt) capacity
Drawworks	(Main) AKMH Wirth GH 9000 EG-AC-1G, 4 x AC motors; 9,000 hp, 1,712 st. (1,553 mt) with 16 x 2-1/4" lines strung lines, (Aux) AKMH Wirth GH 6000 EG-AC-1G, three AC motors; 6,000 hp, 1,140 mt with 14 x 2" lines strung
Compensator	(Main) Aker MH Crown Mounted Compensator with Active Heave compensation, 750 st. (680 mt) with 25 ft. (7.6 m) max stroke (Aux) Aker MH Crown Mounted Compensator with Active Heave, 500 st. (454 mt) with 25 ft. (7.6 m) max stroke
Rotary Table	(Main) AKMH Wirth RTSS 75-1/2" hyd. 1250 st. (1,134 mt), (Aux) AKMH Wirth RTSS 60-1/2" hyd. 1,000 st. (908 mt)
Top Drive	(Main and Aux) 2 x Aker MH MDDM-1250-AC-2M 1,250 st. (1,134 mt) tripping load, 945 st. (857 mt) drilling load, 101,000 ft./lbs. max continuous torque at 113 RPM, 0-280 max RPM, 2 x 1,050 hp ABB AC motors
Tubular Handling	2 x Aker MH Hydraulic Roughneck BC 561, multi frame, tubular range 3-1/2" to 9-3/4." Aker MH racking systems tbular range 3-1/2" to 14." 2 x Vertical Pipe Racking Systems including 15 st. (13.6 mt) bridge cranes with lower guiding arms. 1 x Horizontal Tubular Feeding Machine to handle single joints drill pipe and casing or casing stands up to 90 ft. (27.4 m)
Riser Feed	1 x Horizontal Riser Feeding Machine for 21" x 75 ft. (22.8 m) Riser Joints
Mud Pumps	4 x AMH/Wirth TPK-7-1/2 x 14, 2,200 hp 7,500 psi
HP Mud System	Rated for 7,500 psi
Solids Control	8-x Derrick, Dual Pool (DP626); DP600 shale shakers

CRANES

Cranes	3 x 110 st. (100 mt) NOV knuckle-boom cranes model OC4000KCE with semi-automated riser and tubular handling attachments
AHC Subsea Crane	1 x 181 st. (164 mt) NOV Active Heave Compensation knuckle-boom boom crane for handling subsea equipment up to 12,000 ft. (8,658 m) WD

POWER AND MACHINERY

Main Power	6 x HHI HiMSEN H32/40V V-type diesel engines rated 7,000 kW, 720 rpm, each driving 1 x 8,125 kVA AC generator
Emergency Power	1 x Caterpillar 3516B V-type diesel engine rated 1,780 kW, 1,800 rpm driving 1 x AC generator
Power Distribution	3 x Siemens NXPlus C Plus, 11 kV Switchboards with AKA Advanced Generator Protection

STORAGE CAPACITIES

Fuel Oil	51,280 bbl. (8,153 m3)
Liquid Mud	9,745 bbl (1,549 m3) active / 10,562 bbl (1,679 m3) reserve
Base Oil	5,031 bbl (800 m3)
Brine	5,031 bbl (800 m3)
Drill Water	18,869 bbl (3,000 m3)
Potable Water	9.359 bbl (1,4800 m3)
Bulk Material	(mud + cement) 28,251 cu. ft. (800 m3)
Sack Storage	10,000 sacks

BOP AND SUBSEA EQUIPMENT

BOP Rams	2 x Cameron 18-3/4," 15,000 psi 7-ram preventer; (2 x TL Doubles + 1 x TL Triple)
BOP Annulars	1 x Cameron Dual DL 18-3/4" (2 x elements), 10,000 psi annular preventer
BOP Handling	BOP crane 2 x 275 st. (249 mt) main hoists and 2 x 16.5 st. (15 mt) service hoists; with BOP Trolley rated 595 st. (540 mt) 2 x 551 st. (500 mt) BOP storage stands with sea-fastening
Marine Riser	Cameron Load King 21," 1,750 st. (1,587 mt) (H Class), 75 ft. (22.8 m) long per joint
Tensioners	8 x Aker MH Dual wireline riser tensioners, 125 st. (113 mt) each total capacity 2,000 st. (1,814 mt) with 12.5 ft. (3.8 m) stroke 50 ft. (15.2 m) max stroke
Diverter	21-1/4" 500 PSI Type CSO driverter with 16" flow line
Tree Handling	1 x 165 st. (149 mt) Xmas tree trolley with 2 x 165 st. (149 mt) Xmas tree skid carts supplied with room to store up to 4 x carts. Xmas trees can also be lifted or handled with the 181 st. (164 mt) Active Heave Compensating Subsea Crane
Moonpool	82 ft. (25 m) x 33.5 ft. (10 m) outfitted with a two (2) piece Moonpool Guide Array for improved transit characteristics

STATION KEEPING / PROPULSION SYSTEM

Thrusters	6 x (three forward, three aft) Rolls Royce 5,500 kW variable speed, fixed pitch, fully azimuthing, underwater demountable thrusters
DP System	Kongsberg DPS-3 rated for water depths up to 12,000 ft. (3,658 m)

OTHER INFORMATION

Helideck	Rated for Sikorsky S-61 and S-92 helicopters
Additional Features	MPD ready

These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation, and customer needs. All equipment shall be operated and maintained at all times, in compliance with Transocean standard operating manuals, policies, and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.

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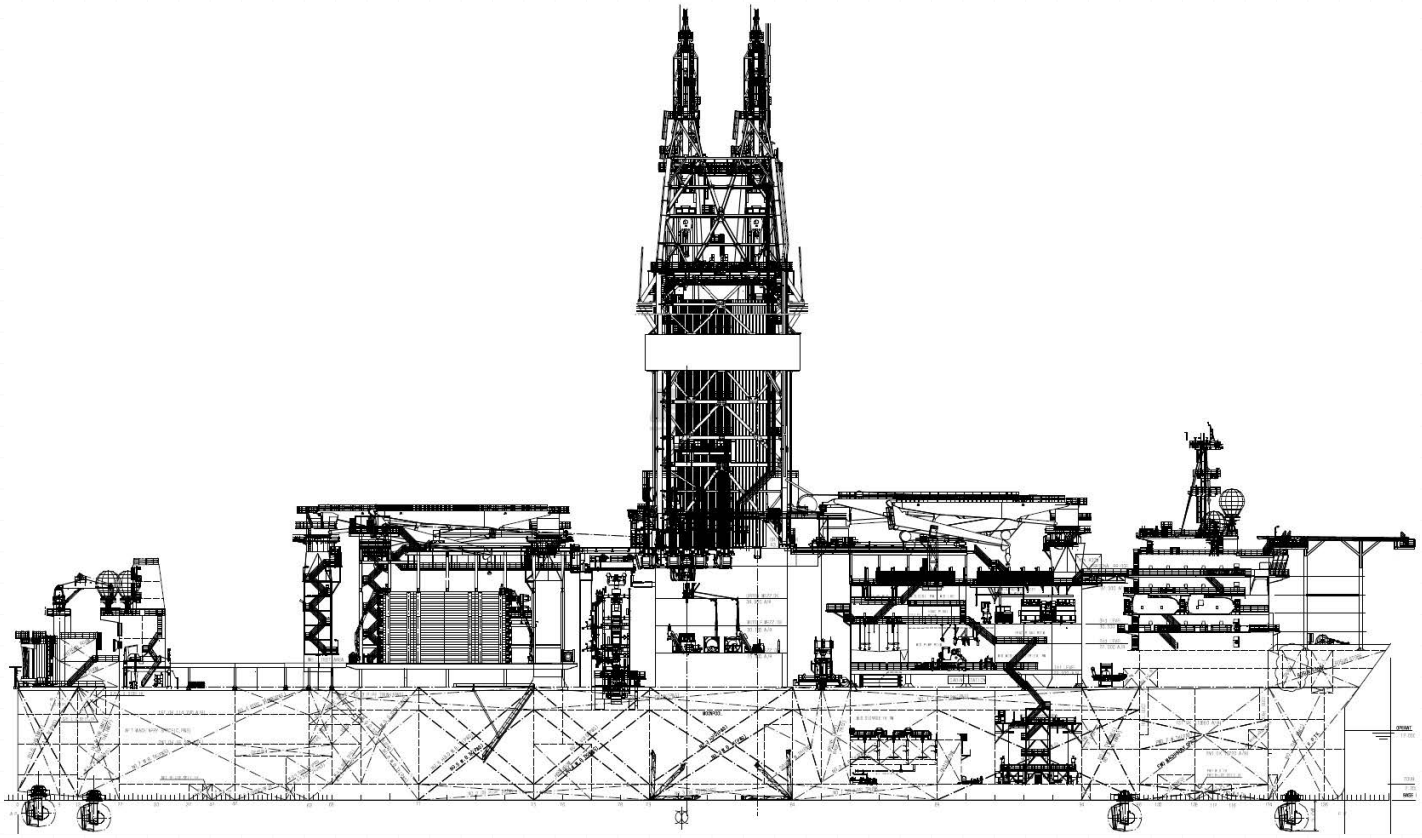
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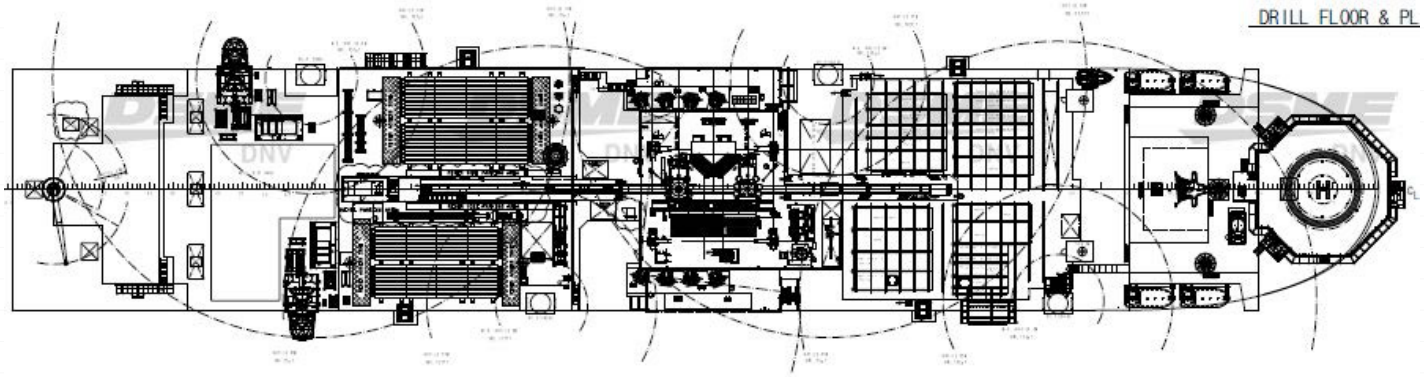
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