

# DEEPWATER ASGARD

## ULTRA-DEEPWATER DUAL-ACTIVITY DRILLSHIP



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### General Description

<b>Design / Generation</b>	DSME 12000 Ultra Deepwater Drillship
<b>Constructing Shipyard</b>	DSME (South Korea)
<b>Year Entered Service / Significant Upgrades</b>	2014
<b>Classification</b>	DNV X1A1 Ship-shaped Drilling unit BIS Crane-offshore DRILL DYNPOS(AUTRO-CBT) E0 HELDK
<b>Flag</b>	Marshall Islands
<b>Dimensions</b>	781 ft (238 m) long x 138 ft (42 m) wide x 62 ft (19 m) deep
<b>Drafts</b>	39.4 ft (12 m) operating / 29.5 ft (9 m) transit
<b>Accommodation</b>	200 persons
<b>Displacement</b>	114,640 st (104,000 mt) operating
<b>Variable Deck</b>	22,636 st (20,535 mt) operating / 22,636 st (20,535 mt) transit
<b>Transit Speed</b>	up to 12.5 knots
<b>Maximum Water Depth</b>	12,000 ft (3,658 m) designed / 10,000 ft (3,048 m) outfitted
<b>Maximum Drilling Depth</b>	40,000 ft (12,192 m)

### Drilling Equipment

<b>Derrick</b>	Dual Aker MH Pyramid Dynamic Derrick 213 ft (65 m) x 69 ft (21 m) x 52 ft (15.8 m)
<b>Hookload Capacity</b>	(Main) 1,400 st (1,270 mt) capacity (Aux) 1,100 st (998 mt) capacity
<b>Drawworks</b>	(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
<b>Compensator</b>	(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
<b>Rotary Table</b>	(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)
<b>Top Drive</b>	(Main & 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.
<b>Tubular Handling</b>	2 x Aker MH Hydraulic Roughneck BC 561, multi frame, tubular range 3-1/2" to 9-3/4". Aker MH racking systems tubular 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).
<b>Riser Feed</b>	1 x Horizontal Riser Feeding Machine for 21" x 75 ft (22.8 m) Riser Joints
<b>Mud Pumps</b>	4 x AMH/Wirth TPK-7-1/2 x 14, 2,200 hp 7,500 psi
<b>HP Mud System</b>	Rated for 7,500 psi
<b>Solids Control</b>	8-x Derrick, Dual Pool (DP626); DP600 shale shakers

### Power & Machinery

<b>Main Power</b>	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
<b>Emergency Power</b>	1 x Caterpillar 3516B V-type diesel engine rated 1,780 kW, 1,800 rpm driving 1 x AC generator
<b>Power Distribution</b>	3 x Siemens NXPlus C Plus, 11 kV Switchboards with AKA Advanced Generator Protection

### Storage Capacities

<b>Fuel Oil</b>	51,280 bbl (8,153 m3)
<b>Liquid Mud</b>	9,745 bbl (1,549 m3) active / 10,562 bbl (1,679 m3) reserve
<b>Base Oil</b>	5,031 bbl (800 m3)
<b>Brine</b>	5,031 bbl (800 m3)
<b>Drill Water</b>	18,869 bbl (3,000 m3)
<b>Potable Water</b>	9,359 bbl (1,488 m3)
<b>Bulk Material</b>	(mud + cement) 28,251 cu.ft. (800 m3)
<b>Sack Storage</b>	10,000 sacks

### BOP & Subsea Equipment

<b>BOP Rams</b>	2 x Cameron 18-3/4", 15,000 psi 7-ram preventer; (2 x TL Doubles + 1 x TL Triple)
<b>BOP Annulars</b>	1 x Cameron Dual DL 18-3/4" (2 x elements), 10,000 psi annular preventer
<b>BOP Handling</b>	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
<b>Marine Riser</b>	Cameron Load King 21", 1,750 st (1,587.5 mt) (H Class), 75 ft (22.8 m) long per joint
<b>Tensioners</b>	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
<b>Diverter</b>	21-1/4" 500 PSI Type CSO diverter with 16" flow line
<b>Tree Handling</b>	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
<b>Moonpool</b>	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

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

### Cranes

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

### Other Information

<b>Helideck</b>	Rated for Sikorsky S-61 & S-92 helicopters
<b>Additional Features</b>	MPD Ready - Upgraded

Revision Date: 15 August 2022

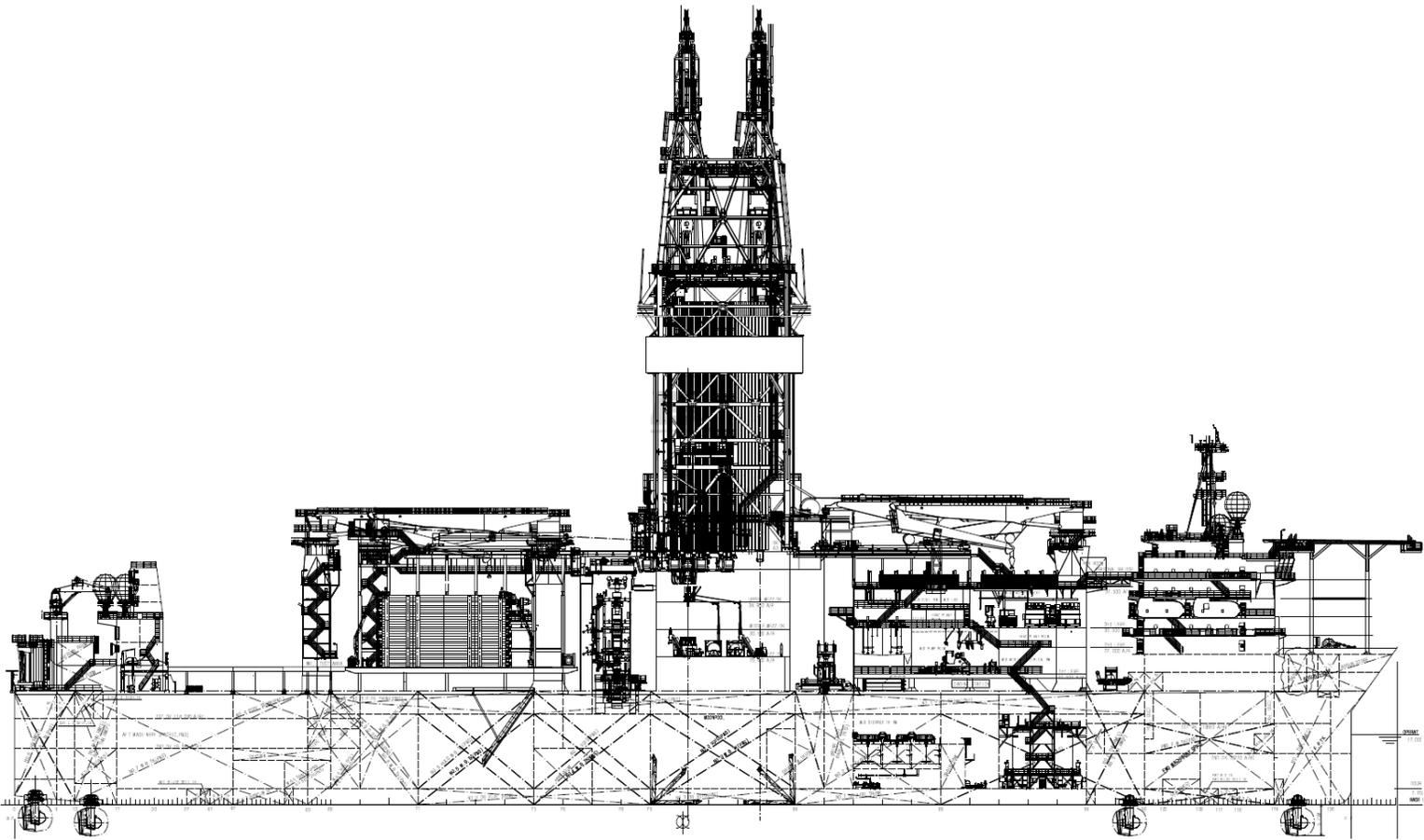


These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Transocean standard operating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

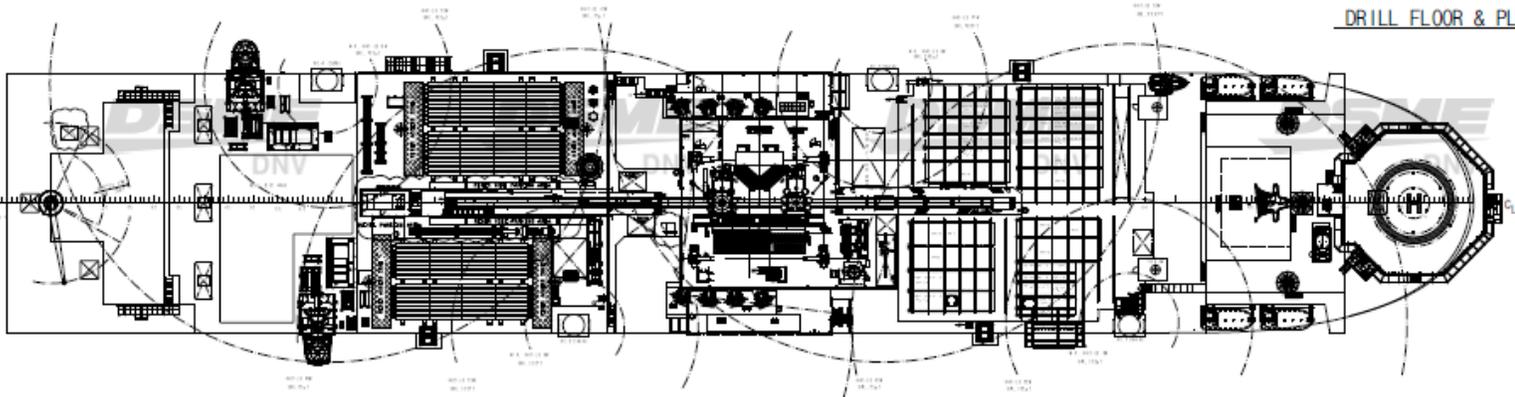
Patent Notice: This rig, its systems, components, and/or equipment in use on this rig, may be protected by one or more US and/or foreign patents.

# DEEPWATER ASGARD

ULTRA-DEEPWATER DUAL-ACTIVITY DRILLSHIP



DRILL FLOOR & PL



## BOUNDLESS

Revision Date: 16 August 2022

SERVICE FOCUSED  
DATA DRIVEN  
PERFORMANCE ORIENTED



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