

# ENSCOROWAN

## ROWAN RELENTLESS

GustoMSC P10,000 Ultra-Deepwater Drillship

Year in Service: 2015



### HIGHLIGHTS

The Rowan UDW Drillships are GustoMSC P10,000 design. Each is capable of drilling wells to depths of 40,000 feet in waters of up to 12,000 feet with the following primary characteristics:

- DP-3 compliant, dynamically-positioned with retractable thrusters
- Dual-activity capable: active-heave drawworks on main and auxiliary load paths with supplemental crown-mounted compensation on main (use subject to possible patent coverage in applicable jurisdictions)
- Maximum hook-load capacity of 1,250 tons
- Two seven-ram BOPs incorporating full acoustic backup control with storage and handling facilities for both BOPs
- Five mud pumps with dual mud systems
- Hull integration with below-deck storage for 12,000 ft. of riser
- Four million pound riser tensioning system
- Three 100-ton knuckle boom cranes
- One active-heave 165-ton crane for simultaneous deployment of subsea equipment
- Variable deck load capacity of 20,000 tons
- Accommodations for 210 POB

### DESIGN

**Design:**  
GustoMSC P10,000

**Shipyard Delivery:**  
Q2 2015

**Shipyard:**  
Hyundai Heavy Industries

**Classification Agency:**  
ABS

**Flag State:**  
Marshall Islands

**Drilling Systems:**  
NOV

**Subsea Systems:**  
Cameron

**Class Notations:**  
+A1, Drillship, Circle E, +AMS, +ACCU, +DPS-3, SH-DLA, SFA(25), UWILD, NBL, CRC, CPS, HELIDK(SRF), ENVIRO-OS+

### GENERAL SPECIFICATIONS

**Length, overall:**  
752.0 ft.

**Breadth:**  
118.1 ft.

**Depth at Side:**  
59.6 ft.

**Draft (Max. Operating):**  
36.1 ft.

**Transit Draft:**  
31.2 ft.

**Displacement:**  
69,900 mt

**Deadweight:**  
44,500 mt

**Rated Max. Water Depth:**  
12,000 ft.

**Moonpool, Opening at Baseline:**  
73.5 ft. by 42 ft.

**Max. Drilling Depth:**  
40,000 ft.

**Variable Deck Load:**  
20,000 mt

**Autonomy:**  
Minimum 75 days

**Max. Wave Height:**  
Drilling condition: 19.7 ft.  
Survival condition: 42.7 ft.

**Heliport - can accommodate:**  
Sikorsky S-92 or equiv.

*Changes / modifications to the above listed equipment could occur.*

*Maximum Water Depth denotes the designed rating, pending site specific assessment.*

*Should you have specific questions, please contact the Marketing Department at: [marketing@enscorowan.com](mailto:marketing@enscorowan.com)*

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### ■ PROPULSION & POWER

**DP Class:**  
DPS-3

**Main Engines:**  
(6) Himsen 8,000 KW prime mover

**Emergency Power:**  
1,500 KW

**Thrusters:**  
(6) 5,000 KW azimuth type, self-retracting canister

### ■ DRILLING EQUIPMENT

**Derrick:**  
Main: 1,250 st  
Aux: 750 st

**Racking Capacity:**  
40,000 ft (drillstring and casing)

**Setback:**  
1,750 st

**Top Drives:**  
NOV, Dual AC top drive systems  
Main: 1,250 st  
Aux: 750 st

**Drawworks:**  
Main: 1,250 st, 9,000 hp active heave  
Aux: 750 st, 5,750 hp active heave

**Rotary Table:**  
Main: 75.5", 1,250 st  
Aux: 60.5", 1,000 st

**Iron Roughnecks:**  
(2) 3 1/2"-20"

### ■ CAPACITIES

**Diesel Fuel Oil:**  
47,173 bbls

**Drillwater:**  
18,240 bbls

**Liquid Mud:**  
18,869 bbls

**Bulk Storage :**  
5,660 bbls

**Fresh Water:**  
8,805 bbls

**Base Oil**  
6,918 bbls

**Brine/Completion Fluid:**  
7,547 bbls

**Sack Storage:**  
8,500 sacks

**Ballast :**  
124,527 bbls

### ■ OTHER PARTICULARS

**Accommodation:**  
210 POB

**Mud Pumps:**  
(5) 2,200hp, 7.5k psi working pressure

**BOP Stack #1:**  
(2) 10k psi annular,  
7 ram 15k psi BOP

**BOP Stack #2:**  
(2) 10k psi annular,  
7 ram 15k psi BOP

**Diverter:**  
72" 500 psi working pressure

**Choke and Kill Manifold:**  
15k psi working pressure, H2S rated, (2) auto and (2) manual choke design

**Mud Manifold:**  
5" x 7.5k psi working pressure standpipe, main and aux

**Cement Manifold:**  
15k psi working pressure/ dual standpipe

**Motion Compensator: Main**  
1,250 st AHD and 500 st CMC (passive)

**Motion Compensator: Aux**  
750 st AHD

**Control System:**  
CIW Mark-3 multiplex control system

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### ■ RISER SYSTEMS

**Riser:**  
Cameron "Load King" 3.5m lbs,  
21¼" OD, 1" wall thickness x 75 ft  
joints integrated support ring

**Riser Tensioning:**  
4m lbs: (16 x 250kip single unit  
marine wireline tensioner)

**Riser Length:**  
12,000 ft. – below deck storage

### ■ LIFESAVING SYSTEMS

**Lifeboats:**  
(6) 70 persons

**Rescue Boat:**  
(1) 6 persons

**Life Rafts:**  
(18) 25 persons

**Life Jackets/Buoys:**  
600/15

### ■ HANDLING SYSTEMS

**Cranes:**  
(3) 100 mt; (1) 165 mt AHC, maximum 12,000 ft. water depth; (1)  
20 mt (poop deck crane)

**Tubular Handling:**  
Dual Hydraracker, extended reach (column type) 3½" to 14"

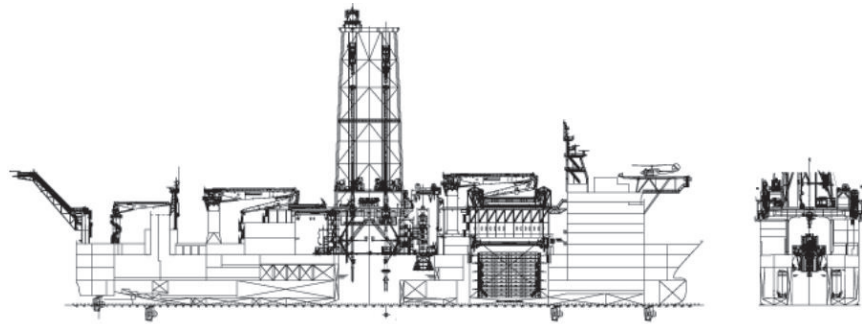
**Riser Handling:**  
(2) riser gantry cranes (below deck) fully redundant;  
47 mt riser catwalk machine with tailing arm

**BOP Handling:**  
(2) 270 mt overhead gantry cranes with 600 mt BOP trolley, provides  
full access to both BOP storage areas

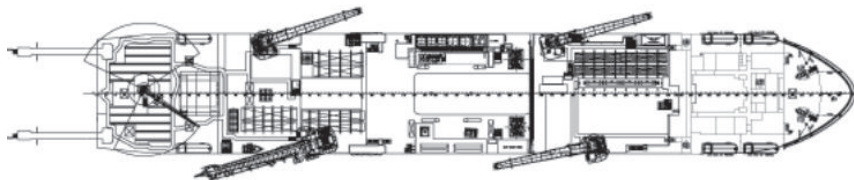
**Xmas Tree Handling:**  
(2) 15 mt overhead gantry cranes

**LMRP Handling:**  
Utilizes BOP handling system

**Additional:**  
Riser Hang Off cart 1,000 mt, (2) 120 mt Xmas tree skids



INBOARD PROFILE AT CENTERLINE



POOP AND PANEL DECKS