

ENSCOROWAN

ROWAN RESOLUTE

GustoMSC P10,000 Ultra-Deepwater Drillship

Year in Service: 2014



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 2014

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, +CDS, +DPS-3, SH-DLA, SFA(25), UWILD, NBL, CRC, CPS, HELIDK(SRF), ENVIRO-OS+, ISQM

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

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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:

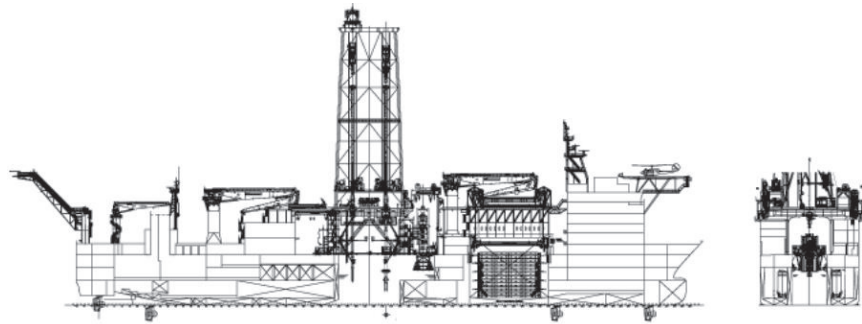
(2) 15 mt overhead gantry cranes

LMRP Handling:

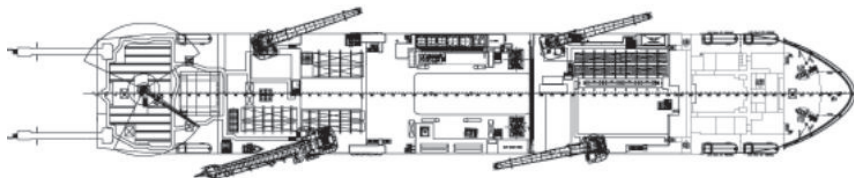
Utilizes BOP handling system

Additional:

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



INBOARD PROFILE AT CENTERLINE



POOP AND PANEL DECKS