

WEST GEMINI

The West Gemini is a 6th generation ultra-deepwater drillship with operational history offshore Africa.



GENERAL (U.S)

Built	2010 Samsung Heavy Industries
Design	Samsung 10,000
Flag/Class	Panama / ABS
Dimensions	748 ft Long / 137.8 ft Wide
Draft	39.4 ft Drilling / 27.9 ft Transit
Displacement	106,233 st Drilling / 73,594 st Transit
Variable Load	22,040 st Drilling / 18,183 st Transit
Accommodations	200 Persons
Helideck	Chinook
Max. Drilling Depth	37,500 ft
Max. Water Depth	10,000 ft Designed / 7,000 ft Outfitted

STATION KEEPING

Dynamic Positioning	Kongsberg Class 3
Thrusters	6 x Rolls Royce Aquamaster 6,118 HP Azimuthing
Transit Speed	Up to 11.5 Knots
Mooring Lines	Harbor Mooring Only
Mooring Winches	Harbor Mooring Only

STORAGE CAPACITIES

Fuel	33,738 bbl
Drill Water	17,600 bbl
Potable Water	9,126 bbl
Active Liquid Mud	7,250 bbl
Reserve Liquid Mud	6,300 bbl
Bulk Bentonite / Barite	12,768 ft ³
Bulk Cement	12,966 ft ³

DRILLING PACKAGE

Derrick	Dual NOV 200 ft Tall with 80 ft x 60 ft Base 1,000 + 1,000 st Gross Nominal Capacity
Top Drive	2 x NOV HPS 10002E-ACKT Rated for 1,000 st Hoisting Capacity 2 x 1,150 HP AC Motors, Max. Continuous Torque 78,450 ft-lbs

Drawworks	2 x NOV SSGD1000, 2" Drill Line Max. Line Pull 14 Lines of 2,000,000 lbs
Rotary Table	2 x VARCO RST 60.5"
Compensator	2 x NOV Crown Mounted Rated for 500 st Compensated, 1,000 st Static
Tubular Handling	NOV Automated Hydraracker
Mud Pumps	4 x NOV 14-P-220, 5-9" Liners, 2,200 HP
HP Mud System	Rated for 7,500 psi
Shale Shakers	6 x NOV VSM 300

SUBSEA EQUIPMENT

BOP	Shaffer 18 3/4" 6 RAM NXT 15,000 psi
Annular	2 x Shaffer 18 3/4" 10,000 psi
Diverter	Shaffer Max. Bore 21-1/4"
Wellhead Connector	Vetco 15K, H4 Profile Dressed for 18 3/4" Wellhead
Riser	Shaffer ft-h 90 ft Length 21" OD, 4" ID Boost Line
Tensioners	8 x Dual Shaffer Wire Tensioners 200 st Capacity EA, 50 ft Line Travel

CRANES

Primary Cranes	4 x NOV Hydralift Knuckle Boom Rated for 93.6 st at 62.3 ft Radius
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POWER

Main Engines	6 x MAN/STX 16V32 10,728 HP Diesel Engines
Main Generators	6 x ABB 10,728 HP @ 0.8 P.F.
Emergency Power	1 x MTU 2,175 HP Diesel Engine 1 x Leroy Somer 1,350 kW Generator @ 0.8 P.F.

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GENERAL (METRIC)

Built	2010 Samsung Heavy Industries
Design	Samsung 10,000
Flag/Class	Panama / ABS
Dimensions	228 m Long / 42 m Wide
Draft	12 m Drilling / 8.5 m Transit
Displacement	96,400 mt Drilling / 66,782 mt Transit
Variable Load	20,000 mt Drilling / 16,500 mt Transit
Accommodations	200 Persons
Helideck	Chinook
Max. Water Depth	3,048 m Designed / 2,134 m Outfitted
Max. Drilling Depth	11,433 m

STATION KEEPING

Dynamic Positioning	Kongsberg DP Class 3
Thrusters	6 x Rolls Royce Aquamaster 4,562 kW Azimuthing
Transit Speed	Up to 5.9 m/s
Mooring Lines	Harbor Mooring Only
Mooring Winches	Harbor Mooring Only

STORAGE CAPACITIES

Fuel	5,364 m ³
Drill Water	2,798 m ³
Potable Water	1,452 m ³
Active Liquid Mud	1,152 m ³
Reserve Liquid Mud	1,008 m ³
Bulk Bentonite / Barite	452 m ³
Bulk Cement	452 m ³

DRILLING PACKAGE

Derrick	Dual NOV 61 m Tall with 24.4 m x 18.3 m Base 907 + 907 mt Gross Nominal Capacity
Top Drive	2 x NOV HPS 1000 Rated for 907 mt Hoisting Capacity, 2 x 860 kW AC Motors, Max. Continuous Torque 106,364 nm

Drawworks	2 x NOV Dresco SSGD1000. 50.8 mm Drill Line Max. Line Pull 14 Lines of 907 mt
Rotary Table	2 x VARCO RST 153 cm
Compensator	2 x NOV Crown Mounted Rated for 454 mt Compensated, 907 mt Static
Tubular Handling	NOV Automated Hydraracker
Mud Pumps	4 x NOV 14-P-220, 12.70-22.86 cm Liners, 1,640 kW
HP Mud System	Rated for 517 Bar
Shale Shakers	6 x NOV VSM 300

SUBSEA EQUIPMENT

BOP	NOV 47.625 cm 6 RAM NXT 1,034 Bar
Annular	2 x Shaffer DL 47.625 cm 689 Bar
Diverter	Shaffer Max. Bore 53.9cm
Wellhead Connector	Vetco 15K, H4 Profile Dressed for 46.54 cm Wellhead
Riser	Shaffer ft-h 27.43 m Length 0.5334 m OD 10.16 ID Boost Line
Tensioners	8 x Dual Shaffer Wire Tensioners 91 mt Capacity EA, 15.24 m Line Travel

CRANES

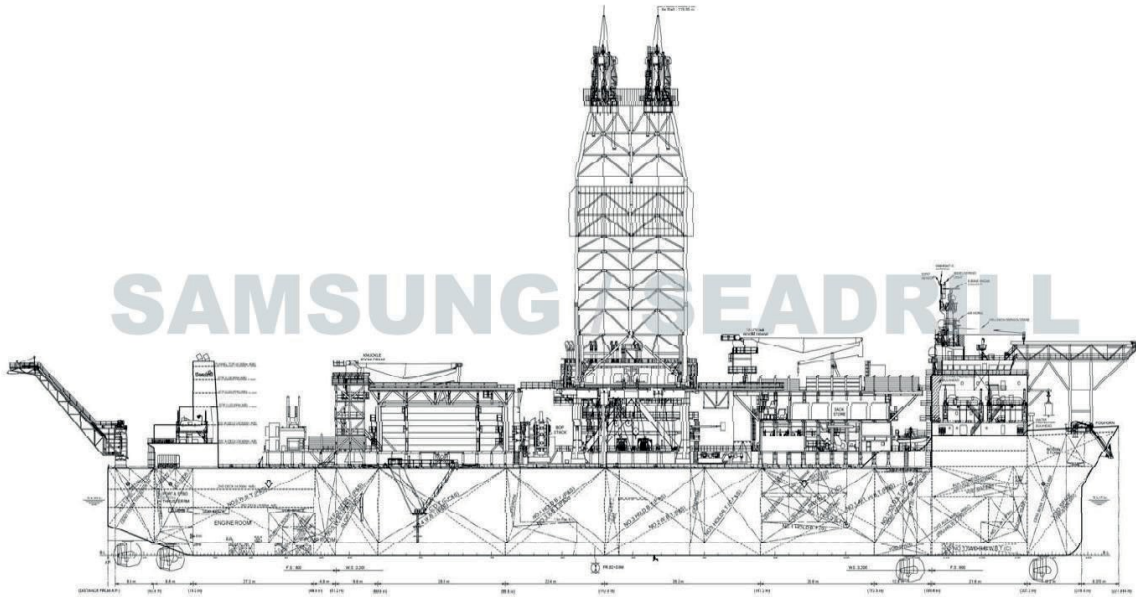
Primary Cranes	4 x NOV Hydralift Knuckle Boom Rated for 85 mt At 19 m Radius
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POWER

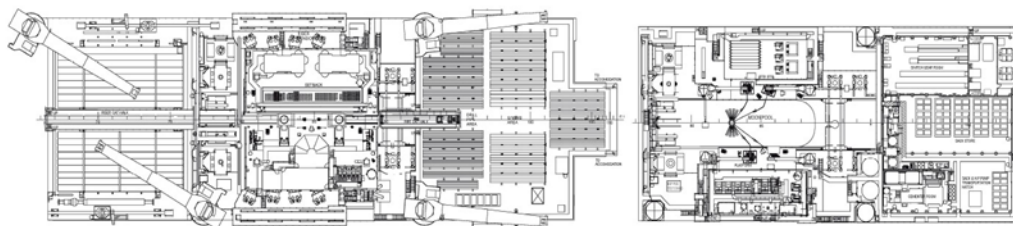
Main Engines	6 x STX-MAN 16V32/40 8,000 kW Diesel Engines
Main Generators	6 x ABB 7,000 kW @ 0.8 P.F.
Emergency Power	1 x MTU 1,600 kW Diesel Engine 1 x Leroy Somer 1,350 kW Generator @ 0.8 P.F.

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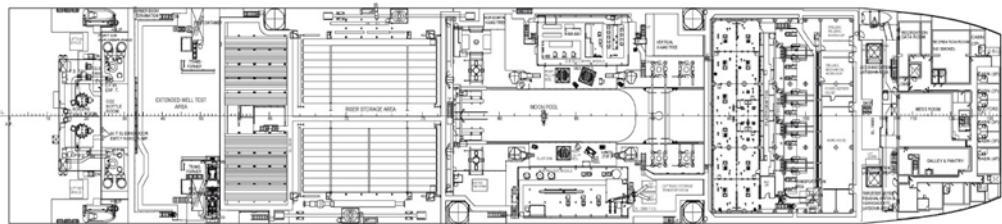
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PROFILE



SAMSUNG / SEADRILL



23.0 MAB PLAN