

## Sonangol Quenguela

The Sonangol Quenguela is a 7th generation ultra-deepwater dual activity drillship with operational history in West Africa.



### GENERAL (U.S.)

Built	2015 Daewoo, South Korea
Design	DSME e-Smart
Flag/Class	Bahamas / ABS
Dimensions	780 ft x 137 ft
Draft	29 ft (transit) 39.4 ft (operating)
Displacement	46,100 st (at loadline)
Variable Load	22,000 st (transit) 27,500 st (drilling)
Accommodations	200
Helideck	Sikorsky S92 & MIL-Mi-8, 14.3 st
Max. Water Depth	12,000 ft design
Max. Drilling Depth	40,000 ft

### STATION KEEPING

Dynamic Positioning	DPS-3
Thrusters	6 x Rolls Royce 7,200 hp
Transit Speed	Up to 11.5 kn
Mooring Lines	Harbour mooring only
Mooring Winches	Harbour mooring only

### STORAGE CAPACITIES

Fuel	55,000 bbl
Drill Water	22,000 bbl
Potable Water	13,200 bbl
Active Liquid Mud	9,200 bbl
Reserve Liquid Mud	12,800 bbl
Bulk Bentonite / Barite	21,800 ft <sup>3</sup>
Bulk Cement	14,650 ft <sup>3</sup>

### DRILLING PACKAGE

Derrick	1 x 1,100 st + 1 x 1,400 st
Top Drive	2 x TDX 1250
Drawworks	6,900 hp 1,100 st + 9,000 hp 1,400 st
Rotary Table	NOV RST 60.5 in + 75.5 in
Compensator	NOV CMC 1,100 st + 1,400 st
Tubular Handling	2 x NOV Hydraracker IV
Mud Pumps	4 x NOV 14-P-220 2,200 hp
HP Mud System	7,500 psi
Shale Shakers	8 x NOV Brandt VSM 300

### SUBSEA EQUIPMENT

BOP	NOV NXT 6 ram 15,000 psi 18-3/4 in
Annular	2 x NOV SBOP 10,000 psi 18-3/4 in
Diverter	NOV Shaffer 21-1/4 in
Wellhead Connector	Vetco SHD H4 18-3/4 in
Riser	NOV Shaffer FT-H 75 ft
MPD	Not outfitted
Tensioners	8 x NOV dual wire 2,000 st

### CRANES

Primary Cranes	3 x Liebherr 110 st 1 x Liebherr 181.5 st (AHC)
X-mas Tree Crane	Primary Crane

### POWER

Main Engines	6 x Himsen 10,500 hp
Main Generators	6 x ABB 9,200 hp
Emergency Power	1 x Caterpillar 2,300 hp

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### GENERAL (METRIC)

Built	2015 Daewoo, South Korea
Design	DSME e-Smart
Flag/Class	Bahamas / ABS
Dimensions	238 m x 42 m
Draft	9 m (transit) 12 m (operating)
Displacement	41,948 mt (at loadline)
Variable Load	20,000 mt (transit) 25,000 mt (drilling)
Accommodations	200
Helideck	Sikorsky S92 & MIL-Mi-8, 13 mt
Max. Water Depth	3,600 m design
Max. Drilling Depth	12,100 m

### STATION KEEPING

Dynamic Positioning	DPS-3
Thrusters	6 x Rolls Royce 5,500 kW
Transit Speed	Up to 5.6 m/s
Mooring Lines	Harbour mooring only
Mooring Winches	Harbour mooring only

### STORAGE CAPACITIES

Fuel	8,800 m <sup>3</sup>
Drill Water	3,500 m <sup>3</sup>
Potable Water	2,100 m <sup>3</sup>
Active Liquid Mud	1,470 m <sup>3</sup>
Reserve Liquid Mud	2,030 m <sup>3</sup>
Bulk Bentonite / Barite	620 m <sup>3</sup>
Bulk Cement	415 m <sup>3</sup>

### DRILLING PACKAGE

Derrick	1 x 1,000 mt + 1 x 1,270 mt
Top Drive	2 x TDX 1250
Drawworks	5,200kW/1,000mt + 6,800kW 1,270 mt
Rotary Table	NOV RST 1.5 m + 1.9 m
Compensator	NOV CMC 1,000 mt + 1,270 mt
Tubular Handling	2 x NOV Hydraracker IV
Mud Pumps	4 x NOV 14-P-220 1,640 kW
HP Mud System	517 bar
Shale Shakers	8 x NOV Brandt VSM 300

### SUBSEA EQUIPMENT

BOP	NOV NXT 6 ram 1,034 bar 47.6 cm
Annular	2 x NOV SBOP 690 bar 47.6 cm
Diverter	NOV Shaffer 54 cm
Wellhead Connector	Vetco SHD H4 47.6 cm
Riser	NOV Shaffer FT-H 22.8 m
MPD	Not outfitted
Tensioners	8 x NOV dual wire 1,810 mt

### CRANES

Primary Cranes	3 x Liebherr 100 mt 1 x Liebherr 165 mt (AHC)
X-mas Tree Crane	Primary Crane

### POWER

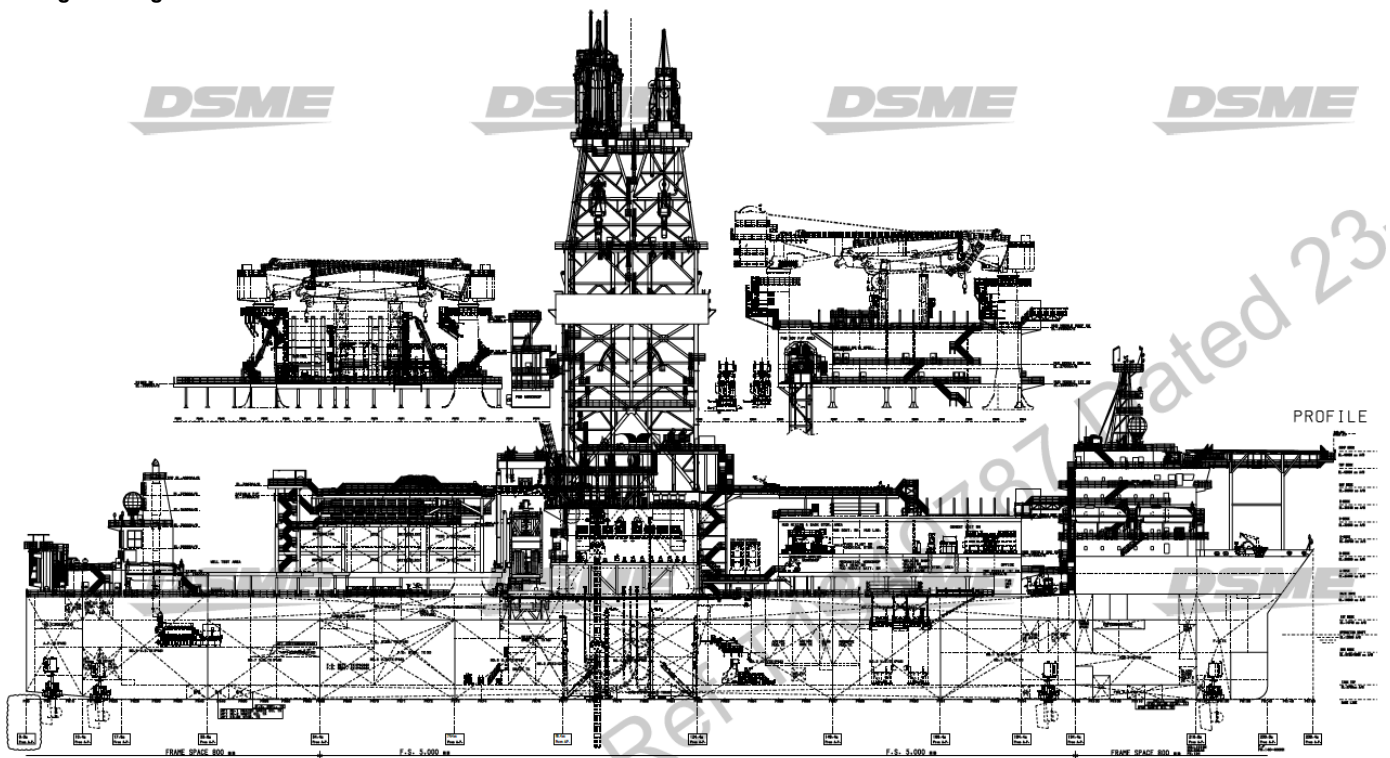
Main Engines	6 x Himsen 8,000 kW
Main Generators	6 x ABB 6,900 kW
Emergency Power	1 x Caterpillar 1,760 kW

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Sonangol Quenguela – Side View



Sonangol Quenguela – Top View

