



I Innovative well intervention, construction and drilling vessel – the complete package I



Q4000

The Q4000 is a unique multi-purpose vessel designed to operate in depths up to 3,048 metres of water - a stable platform for a wide variety of tasks, including slimbore drilling, slimbore completion and decommissioning well intervention

Constructed in 2002 and refitted with a slimbore drilling capability in 2008, the Q4000 operates under US flag and is specifically designed for well intervention and construction in depths of up to 3,048 m of water.

The multi purpose vessel provides a stable platform for a wide variety of tasks, including subsea completion, decommissioning and coiled tubing deployment.

The Q4000 features a multi purpose tower capable of fulfilling all traditional derrick roles, two cranes with lifting capacities of up to 360 Te and seabed access to 3,048 m, an 11.9 m x 6.4 m moonpool, a 7 3/8" intervention riser system, a 3,048 m heavy weather ROV system and an overall deck capacity of 4,000 Te.

The Q4000 is designed to be operationally flexible and can rapidly be configured to meet customer requirements.

Specifications

Classification
Class A+1 Column Stabilized Drilling Unit Classed by ABS as a MODU AMS, ACCU, DPS3

Accommodates
133 People

Dimensions	
Length	95.2 m (312 ft)
Beam	64 m (210 ft)
Operating draft	15.1 m (50 ft)

Operating Parameters	
Water depth	3,048 m (10,000 ft)

Deck	
Variable Deck Load	4,000 Te

Crainage	
Main crane	360 Te
Secondary crane	160 Te

Moonpool	
Weather deck	11.9 m x 6.4 m (39 ft x 22 ft)

ROV system
150 HP cursor deployed unit, suitable for heavy weather rated to 3,048 m (10,000 ft)

Dynamic Positioning (DP) System
Triple voting Alstom DPS 902 with 901 back up

Drilling Equipment and Well Operations Systems	
Derrick - Huisman multi-purpose tower Hook load 600 Te Free lifting height 44 m (144 ft)	
Rotary topdrive system	Hydralift HPS 650E rated to 7,500 psi
Travelling block	Huisman 6 sheave splittable block
Pipe handling	Hydralift horizontal pipe racking system with 22.7 Te knuckleboom crane
Motion Compensator:	600Te Passive and active Heave systems
Riser tensioners – 8 x 200 kip tensioners	
Well Service pumps - two Schlumberger MD 1000	
Intervention riser system (IRS) 7 3/8"	
Mud Pumps	2 National HEX pumps 7500 psi 1000 gpm+
Mud Gas Separator	2000 gpm 22mm scf/day 85 psi working pressure
Liquid Mud Capacity	1190 bbls surface, 1800 bbls reserve, 16ppg fluid
Bulk Mud Capacity	4 x 42.5 m ³ (1500 cu ft)
Bulk Cement	2 x 42.5 m ³ (1500 cu ft)

Thrusters	
Installed Power	6 generator sets each 3,520 kW
Azimuthing Thrusters	4 aft and 2 fwd each 2,900 kW x 900 RPM
Fixed Thrusters	2 fwd each 900 kW