



ULSTEIN®

XDS 3600



XDS 3600

DEEPWATER DRILLSHIP

- Length overall 208 metres
- Breadth 35 metres
- Waterdepth 3600 metres
- Upgradable for arctic operations

Developed by Ulstein Sea of Solutions BV



General specifications

Type	XDS 3600 deepwater drillship for 3600m waterdepth
Design	Ulstein Sea of Solutions BV
Positioning system	DP3
Transit speed	14 knots
Aft azimuthing thrusters	3 x 4500 kW (under water mountable)
Forward azimuthing thrusters	2 x 3300 kW (retractable)
Tunnel thrusters	2 x 2500 kW
Main Generator Sets	6 x 5530 kW
Emergency generator set	1 x 1500 kW
Derrick	2,500 kips, 50ft x 50ft x 180 ft clear height
Mud pumps	4 x 2200HP pumps

Drilling equipment:

Top drive	Length (over waterline)	208.0 m
Rotary table (60" table opening, 1000t hang-off)	Length (bpp)	198.0 m
Active heave compensated draw works	Beam	35.0 m
Setback (1250t)	Depth (moulded)	18.2 m
BOP (18 3/4", 15,000 psi)	Draft (scantling)	11.0 m
Marine riser storage (12,000 ft of 75 ft riser, 21")	Draft (operational)	9.0 m
Riser tensioning (3,200 kips)	Displacement (at 9 m)	ca. 46,500 t
Vertical racking system		
Drill pipe 3 1/2" – 6 5/8"	Accommodation:	200 persons

Vessel capacities:

Fuel oil	6235 m ³	Brine	2 x 370 m ³
Potable water	2000 m ³	Base oil	2 x 310 m ³
Drilling water	2 920 m ³	Silos	12 x 50 m ³
Mud tanks	2689 m ³	Deck load capacity	10 t/m ²

The XDS 3600 is a self propelled dynamically positioned deepwater drillship featuring the unique ULSTEIN X-bow®. The XDS 3600 is based on experiences gained by USOS people on successful ultra deepwater drillships currently in use. The XDS 3600 design provides a further optimization of size versus costs, resulting in a relatively compact, efficient and integrated design at the lowest possible costs and shortest delivery schedule.

The XDS 3600 drillship is designed to be used for waterdepths up to 3600 m. The main advantages for utilizing this drillship compared to a semi-submersible are:

- lower building costs
- higher payload
- higher transfer speed

The relatively high payloads compared to semi-submersibles, ensure that the XDS 3600 is far less dependent on nearby infrastructures. This is of great importance for new developments and remote areas.

Using the ULSTEIN X-bow® on the XDS 3600 drillship reduces the vessel accelerations exchanging the operational profile furthermore it offers the possibility to winterize the design for arctic drilling campaigns.