INO-80™

Compact Deepwater Drillship

A compact dynamically positioned drillship with large free deck areas, designed for year-around operations in ultra deep waters. Well planned utility arrangement with safe and reliable material handling. Hull shaped for cost efficient and easy fabrication, as well as for challenging conditions during station keeping and transit. INO-80 features for exploration, appraisal and development drilling.

GENERAL:

Displacement approx	80 000 mt
Variable Deck Load in Transit	20 000 mt
Variable Deck Load in Operation	20 000 mt
Length overall approx	203 m
Breadth moulded	40,0 m
Design draught, operation	12,0m
Moonpool	12,0 x 30,0 m

Performance:
Service speed at transit approx. 12 knots

Rated Depths:
Capable of operating in 3 000 m of water
Currently designed for well depth 10 000 m

Dynamic Positioning System:
DP Class 3 (DNV Autro), 3 Split System
Vessel arranged for 2 Hydro-acoustic HiPap, space allocated for the third

Design Criteria:

Parameter	Survival	Max. Drilling approx	Standby connected approx
Wave height, Hs m	14,4	6,5	8,5
Wave period, Tz sec	12,1	7-10	8-10
Wind m/s	50	27,0	31,0
Current m/s		0,8	0,85

Helicopter Deck:
Designed in accordance with CAP 437, suitable for Sikorsky S-92

Craneage:
4 Electric Hydraulic Knuckle boom cranes, 85mt and gantry crane for riser handling. Optional one 165mt heave compensated knuckle boom

Regulations and standards:
- The vessel will fly flag of convenience
- Relevant ISO standards, API standards
- IMO,SOLAS and other relevant international standards

Class:
The vessel will be built in full compliance with offshore class notations as DNV or similar.

Storage Capacities:

Fuel oil:	7 500 m^3
Drill Water:	2 800 m^3
Potable Water:	1 000 m^3
Brine:	1 300 m^3
Base Oil:	1 400 m^3
Liquid Mud (active):	1 500 m^3
Liquid mud (passive):	2 000 m^3
Bulk Mud:	510 m^3
Bulk Cement:	370 m^3
Sack store indoor:	300 m^2

Power system:
6 off 16V32 engines @ 7 680 kW each
6 off 7 370 kW generator sets at 720 RPM
11 kV, 690kV, 440V, 240V, 60 Hz
Integrated vessel management systems

Propulsion System:
6 sets, LMT 3 500, 4 500 kW steerable thrusters with fixed pitch and variable propeller speed. Prepared for retractable solution in the fore-ship.

Accommodation/Complement:
220 POB, accommodation quarter (single and double man cabins), 10 offices, Hospital, Galley & mess, lounges , recreation spaces and gym.

Safety equipment:
Escape and safety equipment according to SOLAS for 220 persons.

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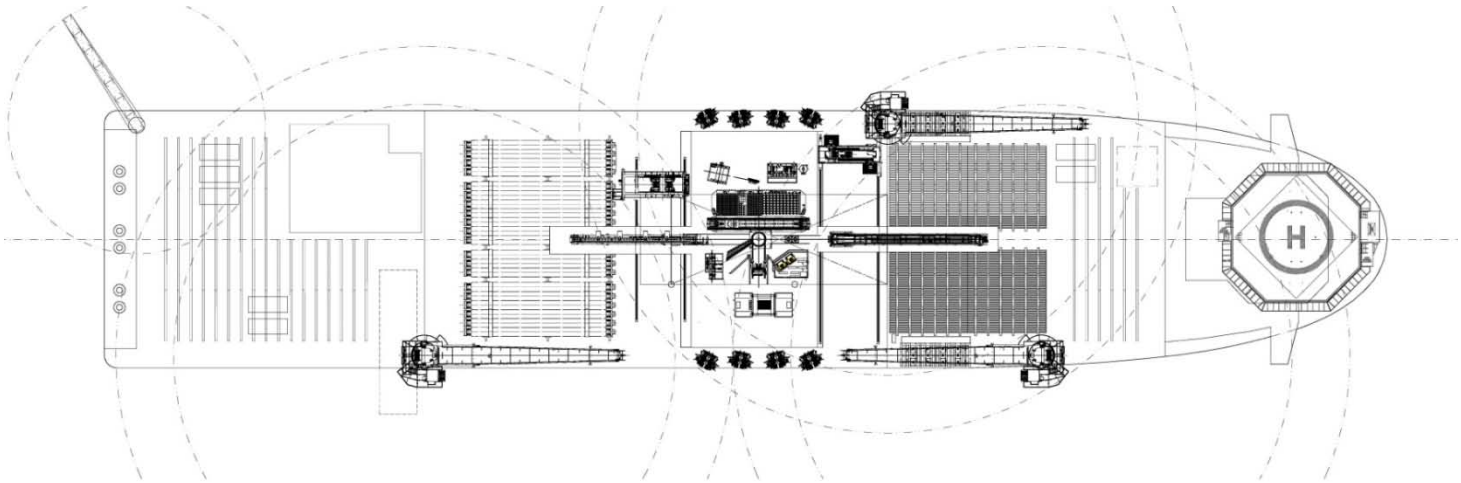
inocean™ WATERPROOF SOLUTIONS



DRILLING EQUIPMENT

Derrick
One dynamic bottle neck shape Derrick for drilling activities and simultaneous stand building activities. Dimension at its base is 15m x 16m with a free lifting height of 64m for racking of quadruples range 2DP. The derrick is rated for 2000kips static hook load.

The derrick accommodates the following equipment; Crown block, Top drive and retractable dolly, Travelling block, Guide rails, Casing stabbing basket, Wire blocks for winches, Pipe racking system, elevator, Ladders and platforms, Electrical lightning, Cable ladders, Tong counter weights, Mud gas vent pipes, Mud and cement stand pipes. Wind walls are to be provided at fingerboard level.

Crown Block
Capacity of 2000kips included in the crown compensator, with sheave set up for a 14 line reeving system sheave cluster. 6 sheaves and two additional guide sheaves wires. All sheaves will be of 1,828mm (72") diameter sheave grooved for 51mm (2") wire line.

CMC
Crown mounted motion compensator , type CMC-1000-25 with a compensating capacity of 454 tonnes (1,000 kips), stroke of 7.6m (25ft). Crown block capacity of 908 tonnes (2000 kips)

Travelling Block
Capacity 908 tonnes (1,000 sh Tons), a 7 sheave travelling block and 1,828mm (72") diameter sheave grooved for 51mm (2") wire line.

Top Drive
The 2 x 850 kw AC-motor driven Top Drive is connected to guide rails by a retractable dolly. The swivel is rated for 7,500 psi working pressure.

Rotary Table
A 60 ½ "opening, a 908 tonnes (1,000 s Tons) capacity rotary table allowing 54" OD riser running through. Max continues torque of 65,000 lb.ft at 125 rpm.

Drawworks
One Drawworks AC motor driven, approx 6,000 HP with disc brakes and regenerative braking is installed. The draw-works maximum line pull of a 14 lines string-up is approximately 908 tonnes (1,000 sh Tons).

Dead Line Anchor
200 Kip dead line anchor, floor mounted, Rotating.

Riser Tensioner System
4 dual wire line riser tensioners with 75 feet line travel . 2,400,000 lbs installed tensioner capacity.

BOP and X-Mas Tree Handling
One 18 3/4" guidelineless BOP stack and lower marine riser package, complying with:18 ¾", 15,000 psi annular (two each), six 1,500 psi rams

BOP stack handling equipment includes BOP trolley and BOP overhead (2x250 tonnes) crane. X-mas tree and base plates handled with separate overhead crane and trolley to and from well centre of the unit. Equipment hydraulically driven and locally controlled.

750 mt BOP trolley, C shaped w/hang off pins and integrated BOP guiding skirt. BOP trolley hydraulically operated with onboard mounted control platform. Hydraulic supply through drag chain. Trolley equipped with gripping units to secure the stack during BOP Handling. Trolley runs on rails mounted inside the moon pool.

Mud supply pumps
4 (5) mud pumps located in the hull with drive unit for 4 x 2200 HP AC motors, 7,500 psi working pressure, manifolds, discharge and suction pulsation dampers, discharge and suction relief valves, discharge strainer cross, puller kit and tools for fluid end work, gaskets, studs and pressure gauges.

Dry Bulk System
Dry bulk storage and transfer system arranged with remote control. Storage tanks located in the hull. Dust collectors to be installed. Transportation of bulk materials arranged by a pressurized air system.

Please note *that the information above can be changed to suit the client`s requirements from case to case.*