



COSL Innovator

COSLInnovator is a 6th generation midwater semi-submersible drilling rig built to operate in harsh environment as well as benign waters



GENERAL

Built	CIMC Yantai 2012
Design	GM 4000
Flag	Singapore
Class & notations	DNV 1A1, Drill (N), Dynpos-Autro, Posmoor-ATA, Crane, Heldk, Next renewal survey: 24.01.23
Dimensions	OA length 104,5 m, OA width 65 m
Draft	Operating 17,75m, Survival 15,75 m
Displacement	26700 mT Transit, 36400mT drilling
Variable load	3800 mT
Accommodation	120 single bed cabins (120 NCS / 116 UKCS)
Helideck	Sikorsky S92
Max waterdepth	750 m
Max drilling depth	7500 m

STORAGE CAPACITIES

Fuel	3400 m3 / 2873 mT
Drill water	2038 mT
Potable water	600 m3
Active liquid mud	460 m3
Reserve liquid mud	400 m3
Bulk bentonite/barite	240 m3
Bulk cement	240 m3
Brine	1526 m3
Base Oil	814 m3

DRILLING PACKAGE

Derrick Hook Load	650 sT /590 mT
Top drive	NOV HPS 650 (590 mT), 1000 HP, Max cont. Torque 55250 ft-lbs at 0-96 rpm, max. Rpm 180, retractable dolly
Drawworks	NOV AHD-4600, 4600 HP active heave drawworks
Rotary table	NOV D-605
Tubular handling	NOV Hydraracker HR-III-XY
Mud pumps	3 x NOV HEX 240 pumps, 7500 psi, 4000 lpm
HP mud system	7500 psi
Drillers control cabin	NOV Cyberbase system with 2 operating stations
Shale shakers	5 x VSM 300 Thule

STATION KEEPING

Dynamic positioning	Kongsberg maritime DP3, SDP-22 + SDP-12 backup
Thrusters	6 x Wartsila LIPS
Transit speed	4-8 knots
Mooring lines	8 x 600 m, 90 mm wire

Mooring winches	4 x double Rolls Royce winches
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CRANES

Pedestal cranes	2 x NOV Molde, 80 mT at 20 m, max radius 50 m
Pipe handling crane	NOV knuckle boom crane with 20" yoke & screen yoke, 24,2 mT at 17,7 m, Max radius 26,6 m
BOP / X-tree tree handling	2 x 60 mT overhead crane starboard moonpool
	300 mT BOP elevator system / main skid
	300 mT BOP skid (from parked to BOP elevator)
	300 mT LMRP skid (to carry LMRP or X-mas trees)
	420 mT riser hang-off trolley
	100 mT X-mas tree cantilever transport & skidding system
	2 x 15 mT overhead crane, portside moonpool

POWER

Main engines	6 x Wartsila Vasa 12V32, 5110 KW, 720 RPM
Main generators	6 x Siemens, 4840 KW, 6.6 KV, 60 HZ
Emergency power generator	1190 KW Mitsubishi
Power distribution	690 V, 440 V, 230 V

SUBSEA EQUIPMENT

BOP	NOV Shaffer NXT 18 3/4", 15 000 PSI, Extended double ram shear seal & casing shear, 22" operators, tripple ram with 14" operators, ultralock 2
Annulars	2 ea Shaffer 18 3/4", wedge cover spherical
Diverter	NOV Shaffer, CSO diverter, 21 1/4"
Risers	Shaffer 21" FT-E, 50 ft joints, 3" ID choke lines, 4" boost, 2 x 2,3 hydr. return lines
Tensioners	4 double riser tensioners
Wellhead connector	Vetco H-4, 18 3/4" 15 KSI DWHD E-style

Safety equipment

Life boats	4 x 60 persons free fall
Mob boats	2 x watercraft WHFRB 6.5 DJ
Liferafts	Starboard side 3 x 20 persons Port side 3 x 20 persons

MISCELLANEOUS

Harsh environment	Yes
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