



## COSL Prospector

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



### GENERAL

<b>Built</b>	CIMC Yantai 2014
<b>Design</b>	GG 5000
<b>Flag</b>	Singapore
<b>Class &amp; notations</b>	DNV 1A1, Drill (N), Dynpos-Autro, Posmoor-ATA, Crane, Heldk,CLEAN, ICE-T, Winterized basic
<b>Dimensions</b>	OA length 104,5 m, OA width 70,5 m
<b>Draft</b>	Operating 17,5m, Survival 15,5 m
<b>Displacement</b>	30830 mT Transit, 40710 mT Drilling
<b>Variable load</b>	5000
<b>Accommodation</b>	130 single bed cabins
<b>Helideck</b>	Sikorsky S92
<b>Max waterdepth</b>	1 500 m
<b>Max drilling depth</b>	7500

### STORAGE CAPACITIES

<b>Fuel</b>	3650 m3 / 3082 mT
<b>Drill water</b>	1320 m3
<b>Potable water</b>	800 m3
<b>Active liquid mud</b>	750 m3
<b>Reserve liquid mud</b>	1075 m3
<b>Bulk bentonite/barite</b>	400 m3
<b>Bulk cement</b>	400
<b>Brine</b>	1200 m3
<b>Base Oil</b>	1080 m3

### DRILLING PACKAGE

<b>Derrick Hook Load</b>	750 sT /680 mT
<b>Top drive</b>	NOV HPS 750 (680 mT), 1100 HP, Max cont. Torque 68900 ft-lbs at 0-152 rpm, max. Rpm 300, retractable dolly
<b>Drawworks</b>	NOV AHD-5750, 5750 HP active heave drawworks
<b>Rotary table</b>	NOV D-605
<b>Tubular handling</b>	NOV Hydraracker HR-III-XY
<b>Mud pumps</b>	3 x NOV HEX 240 pumps, 7500 psi, 4000 lpm
<b>HP mud system</b>	7500 psi

### STATION KEEPING

<b>Dynamic positioning</b>	Kongsberg maritime DP3, with backup
<b>Thrusters</b>	6 x Rolls Royce Ulstein Aquamaster
<b>Transit speed</b>	4-8 knots
<b>Mooring lines</b>	8 x 600 m, 90 mm wire
<b>Mooring winches</b>	4 x double Rolls Royce winches

### CRANES

<b>Pedestal cranes</b>	2 x Liebherr , 80 mT at 28 m, max radius 55 m, 15 mT at 55 m
<b>Pipe handling crane</b>	NOV knuckle boom crane with 20" yoke & screen yoke, 24,2 mT at 17,7 m, Max radius 26,6 m
<b>BOP / X-tree tree handling</b>	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 ØMRP 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

<b>Main engines</b>	6 x Rolls Royce Bergen
<b>Main generators</b>	6 x Siemens, 5535 KW, 6.6 KV, 60 HZ
<b>Emergency power generator</b>	Supplied by main generators
<b>Power distribution</b>	690 V, 440 V, 230 V

### SUBSEA EQUIPMENT

<b>BOP</b>	NOV Shaffer NXT 18 3/4", 15 000 PSI, Extended double ram shear seal & casing shear, 22" 5K Poslock operators, tripple ram with 14" operators, ultralock II
<b>Annulars</b>	2 ea Shaffer 18 3/4", wedge cover spherical
<b>Diverter</b>	NOV Shaffer, CSO diverter, 21 1/4"
<b>Risers</b>	Shaffer 21" FT-E, 50 ft joints, 3" ID choke lines, 4" boost, 2 x 2,3 hydr. return lines, 1500 m Riser
<b>Tensioners</b>	4 double riser tensioners
<b>Wellhead connector</b>	Vetco H-4
<b>Safety equipment</b>	
<b>Life boats</b>	4 x 65 persons free fall
<b>Mob boats</b>	2 x watercraft WHFRB 6.5 DJ

<b>Drillers control cabin</b>	NOV Cyberbase system with 2 operating stations
<b>Shale shakers</b>	5 x VSM 300 Thule

<b>Liferafts</b>	Escape chutes with liferafts for 130 persons
<b>MISCELLANEOUS</b>	
<b>Harsh environment</b>	Yes