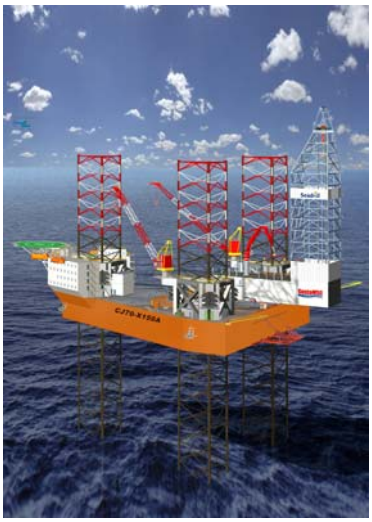
West Elara



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(Metric)

GENERAL	
Built	Q1 - 2011
Hull ID	11-1092
Major upgrades	-
Design	Gusto MSC CJ70-X150A
Previous names	-
Flag	TBA
Classification agency	DNV
	+1A1 Self Elevating Drilling Unit
Classification notations	E0, DRILL(N), CRANE & HELDK
Dimensions	88,6m (hull longitude) x
	97,2m (hull transversal)
Design draft	8 m
VDL - operating	12000 mt*
VDL - survival	
VDL - transit	
Designed max WD	150 m*
Min WD	25 m*
Max drilling depth	10,670 m
VDL + Storage hull	20,676 mT (Operational)
Quarters	120
Helideck size	**TBA**
Helideck capacity	S92/ EC225
Helideck certification	HELID
DRILLING PACKAGE	**TTS Sense**
Derrick (SHL)	1.134 mt
Racking capacity	8,260 m 6 5/8", 4,360 m 5 7/8"
BHA	744 m DC/BHA
Csg storage 13 3/8" or 9 5/8" or 7	2,286 m or 2,950 m or 4,267 m
Drawworks	TTS Sense Ultra Hoist 1250-5600
Rotary table	1.54 m VBJ RST (60,5")
Top drive	TTS Sense TD 1150 AC-2M
	(Dual AC) 2 x 850 kW
- continuous torque	122,1 kNm
Pipehandling	TTS Sense
	Smartracker Standbuilding
	Wellquip JIM 20 Roughneck
	w/ integrated pipe cleaning,
	Doping and mud bucket.
TUBULARS	
Drillpipe	149,22 mm (5 7/8")

* Subject to seabed fixation

CAPACITIES	
Diesel	2040 m³
Drillwater	3557 m³
Potable water	538 m³
Bulk product	315 m³ Barite/ Bentonite
	228 m³ Cement
Sack storage	4160 sacks 25 kg (104 pallet places)
Base oil	608 m³
Brine	889 m³
Liquid mud	854 m³ WBM,
	854 m³ OBM
Mud active tanks	207 m³ WBM, 207 m³ OBM,
	(operable volum)
Mud mixing tanks	65 m³ WBM, 65 m³ OBM (op. volum)
Mud reserve tanks	350 m³ WBM, 350 m³ OBM
	(operable volum)
Mud pill/ slug	37 m³ WBM, 37 m³ OBM (op. volum)
WELL CONTROL	
Diverter	Vetco KFDS CSO,
	1,25 m (49½") Diverter housing
BOP	4 ram BOP - Hydril 0.467 m (18.75")
	2 x double 1034 bar (15ksi)
	1 Annular Hydril GX
C&K manifold	Techdrill 1034 bar (15Kpsi)
TENSION SYSTEM	
Conductor tension	400 mt (883 kips)
POWER	
Diesel engines	4 x Cat C280-12
Main generators	3,460 bkW
Total power	13,84 MW
Mooring lines	Harbour mooring and rig positioning
Mooring winches	4 x 800kN winch/ 2050kN brake
CRANES	
Offshore deck cranes	NOV - 3 x 85 mt
Pipe handling crane	1 x 3,5 mt TBA
BOP crane	2 x 60 mt
MUD SYSTEM	517 bar
Pressure rating	Wirth TPK 7 ½" x 14" / 2200
	3 x 1,620 kW (2,200 hp)
Mud pumps	2 x 4 MI Swaco BEM 650 Shakers
Solids control	2 with Mud cleaning device.
	Segregated for WBM/ OBM handling

West Elara is new built jack-up of Gusto MSC design, under construction at Jurong Shipyard in Singapore and will be delivered in Q1, 2011. West Elara is designed to operate in harsh environments, in water-depths down to 150 m with drilling depths down to 10,670 m.
Other key features are; Dual mud system for both WBM/OBM, large storage area, high variable deckload and long out reach.