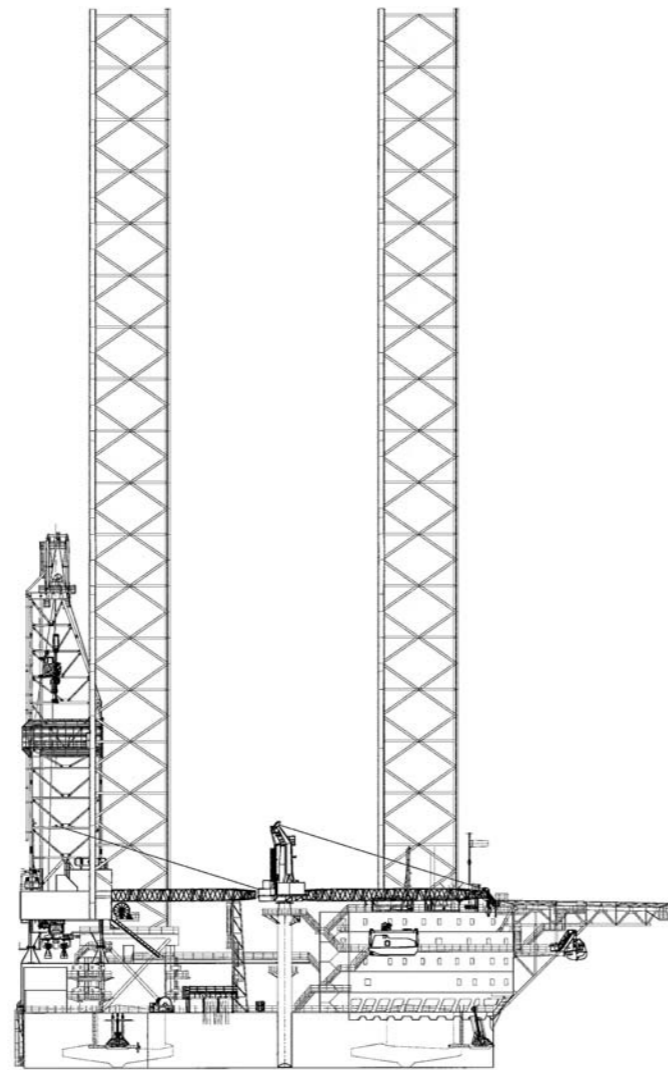


GENERAL ARRANGEMENT PROFILE  
(CANTILEVER FULLY RETRACT)



GENERAL ARRANGEMENT  
OUTBOARD PROFILE





# Jack-Up Drilling Rig

**Perisai's first Jack-Up Drilling Rig** is a PPL Pacific Class<sup>®</sup> 400 with technologically advanced drilling capabilities. The Rig is designed and equipped to drill high pressure and high temperature wells as deep as 30,000 feet. It is also capable of operating in water depths of up to 400 feet, capable of doing offline activity while drilling, can be jacked-up with full pre-loading tanks and has full service accommodation for 150 personnel.

## Classification & Characteristics

ABS + A1, Pacific Class<sup>®</sup> 400 ft Jack-Up Rig Independent Leg Jack-up, Self-Elevating Drilling Unit using PPL J800-2P Jacking System

<b>Water Depth</b>	400 ft nominal rating
<b>Drilling Depth</b>	30,000 ft
<b>Builder</b>	PPL Shipyard Pte Ltd, Singapore
<b>Year of Construction</b>	2012 and expected to be delivered in July 2014
<b>Country of Registration</b>	Panama

## Principal Dimensions

<b>Hull Length</b>	236.5 ft
<b>Hull Breadth</b>	224.4 ft
<b>Hull Depth</b>	27.9 ft
<b>Leg Length</b>	532.4 ft
<b>Spud Can</b>	55.4 ft

## Cantilever

<b>Reach</b>	75 ft from transom
<b>Transversal Travel</b>	15 ft either side CL
<b>Load Capacity</b>	1,920 kips on CL @ 75 ft 2,350 kips on CL @ 65 ft 2,599 kips on CL @ 55 ft

## Capacities

<b>Fuel</b>	4,085 bbls
<b>Drill Water</b>	21,760 bbls
<b>Portable Water</b>	3,520 bbls
<b>Liquid Mud</b>	4,150 bbls
<b>Base Oil</b>	1,255 bbls
<b>Brine</b>	1,255 bbls
<b>Bulk Tanks</b>	11,653 ft <sup>3</sup>
<b>Sack Storage</b>	5,000 sacks
<b>Variable Load (Operating)</b>	7,500 kips
<b>Variable Load (Survival)</b>	6,500 kips
<b>Variable Load (Floating)</b>	5,000 kips
<b>Accommodations</b>	150 persons
<b>Helideck</b>	12.8 T (S92)

## Power System

<b>Diesel Engines</b>	2,150 HP x 5 CAT 3516C HD (Total: 10,750 HP)
<b>Generators</b>	Kato 6P6-3300
<b>Emergency Generator</b>	1 x CAT 3508B
<b>VFD System</b>	Siemens

## Drilling Equipment

<b>Derrick</b>	NOV Offset derrick, 160 ft (H) with 35 ft x 35 ft base and a 18 ft x 12 ft top. Static Hook Load capacity 1,500,000 lbs on 14 lines
<b>Crown Block</b>	NOV 750 T
<b>Drawworks</b>	3,000 HP NOV ADS-10 T
<b>Top Drive</b>	750 short ton NOV TDS-8SA
<b>Rotary</b>	NOV D-495 (Hydraulic)
<b>Travelling Block</b>	NOV 760TB-750
<b>Auto Driller</b>	NOV Cyberbase System
<b>High Torque Make Up / Breakout</b>	NOV HC-26EV Dual Hydraulic Catheads
<b>Tubular Handling</b>	ST120 with remote control from Driller Cabin ST100 for offline standbuilding Bridge Crane 22,000 lbs
<b>Conductor Tension System</b>	225 MT SWL
<b>Drilling Instrumentation</b>	NOV Cyberbase System
<b>Offline Makeup</b>	Offline standbuilding and racking for Range 2 tubular ranging from 3 1/2 in Drill Pipe thru 7 1/4 in Drill Collars while drilling
<b>Drill String</b>	5 1/2 in DP, S135, Range 2, 21.9ppf (NOV Top Drive c/w XT57)

## MUD System

<b>Mud Pumps</b>	3 x 2,200 HP NOV 14-P-220 (7,500 psi)
<b>Shale Shakers</b>	4 x NOV VSM 300
<b>Desilter</b>	NOV Brandt, 16 x 4 in cones, mounted above one shaker
<b>Desander</b>	NOV Brandt with 2 x 10 in cones mounted above one shaker

## BOP Equipment

<b>BOP Stack</b>	15,000 psi, HPHT (121°C) Single stack 18-3/4 in with 1 x 10k Annular and 2 x 15k Dual Ram
<b>BOP Handling</b>	JD NEUHAUS 2 x 75 T
<b>Control System</b>	CAD 60009380U2
<b>Choke and Kill</b>	FORUM 15 Ksi
<b>Diverter</b>	49 1/2 in 500 psi VETCO GRAY KFDJ 500

## Auxiliary Equipment

<b>Cranes</b>	3 x Baker Marine BMC-2250, 50 T
<b>Air Hoists</b>	Ingersoll Rand, 3 x 5,000 kg at drill floor, 2 x 5,000 kg at substructure, 1 each 150 kg manrider at drill floor and substructure, 2 x 600 kg at monkey board 1 x 5,000 kg towing retrieval at bow, and 1 x 2,500 kg towing retrieval below helideck
<b>Hydraulic Power Unit</b>	Bosch Rexroth
<b>Watermaker</b>	Reverse Osmosis 50 T/day each
<b>Air Compressors</b>	3 x Sullair LS200S - 125H / WC
<b>Fire / Gas Detection System</b>	Omega Thorn
<b>Sewage Treatment</b>	Hamworthy ST - 13C
<b>Lifeboats</b>	3 x 75 men
<b>Rescue Boat</b>	One dedicated Rescue Boat
<b>Mooring Equipment</b>	4 Mentrade single drum mooring winches with 3,000 ft 1-1/2 in cable and 6 MT anchors

