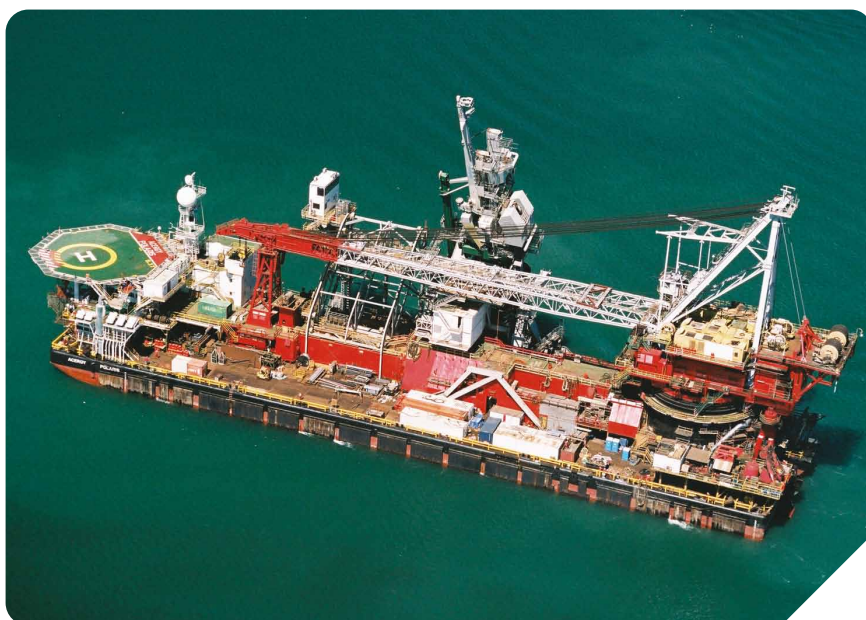


Acergy Polaris

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The *Acergy Polaris* is the ideal barge for pipelay and heavy lift activities in deepwater fields, offering IMO Class 3 dynamic positioning.

Type:
Pipelay / Heavy Lift

Classification:
Bureau Veritas (BV)

- Length 137m x breadth 39m
- S-lay 136t up to 60-inch pipe diameter
- Main crane 1,440t
- Accommodation for 262 persons
- 2 x workclass ROVs

Acergy Polaris

General Description

Type	Pipelay / Heavy Lift
Classification	Bureau Veritas (BV)
Flag	Panamanian
Year Built	1979

Principal Dimensions

Length Overall (m)	137.16m (hull)
Breadth (m)	39.01m
Depth Main Deck (m)	9.14m
Operating Draft (m)	5.85m
	Operating DP water depth 15m
	Operating anchor water depth 10m
Gross Tonnage (t)	16455t
Transit Speed (knots)	Maximum: 7.5 knots Operational: 5.5 knots
Endurance (days)	365 days. All provisions, stores, equipment, fuel, etc received while offshore from supply vessels

DP System

DP Classification	Dynamic Positioning Class 3
Reference System	2 x DGPS, Fan Beam, 2 High Precision Acoustic Positioning HiPAP, light weight taut wire

Power and Propulsion

Main Engines	
Number	4
Type	ULSTEIN BERGEN BRM - 8
Power (hp)	4740 at 750 RPM
Generators	
Number	3 x Wartsila
Type	Model 9 L 20
Power (kW)	1987kVA each at 900 RPM
Number	2 x Caterpillar
Type	Model 3516 TA
Power (kW)	1800kVA at 1800 RPM
Number	1 x Wartsila
	Emergency generator
Type	Model UD 25V12 S5D
Power (kW)	800kVA at 1200 RPM
Thrusters	
Number	4 x ULSTEIN BERGEN (variable pitch)
Type	TCNS 120/85 - 280
Power (hp)	4023/thruster
Location	2 foward, 2 aft
Number	2 x ULSTEIN propeller (fixed pitch)
Type	800 TM
Power (hp)	2279 at 892 RPM/thruster
Location	1 foward tunnel, 1 aft tunnel

Main Deck

Clear Deck Area (m ²)	900m ² on PS, 500m ² on SB
Deck Strength (t/m ²)	7.35t/m ²

Capacities

Fuel Oil (m ³)	3217m ³
Fresh Water (m ³)	1684m ³ 2 reverse osmosis units, 100m ³ /day

Accommodation

Berths (No.)	262 (15a)
Cabins (No.)	28 x double cabins 56 x four man cabins

Helideck

Type	Maximum D value: 18.95 mtow = 9.3t Designed for Sikorsky S61 Helicopters
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Cranes

Main Crane Capacity (t)	Main hook 1440t @ 30.5m special lift, 1100t @ 36m radius
Manufacturer	Clyde
Location	Stern of barge
Main Crane Comments	2 x Manitowoc 555 Crawler Cranes Can be positioned on either side of barge if needed
Auxiliary Crane Capacity (t)	61t @ 7.3m
Location	Port side, 1 forward, 1 aft
Auxiliary Crane Comments	Certified for man riding up to 1500kg

Pipelaying System

Rigid Lay	S-Lay
S-Lay:	
Max Tension (t)	136t
Tensioners (No. and type)	2 x Westech LPT 150 Upgraded in 2008
Pipe Range (inches)	6-inch to 60-inch, 12m long
Storage Capacity (t)	Varies depending on pipe outside diameter
Welding Stations (No.)	4
Stinger (m)	1 x Steep S Stinger - 64.5m long 1 x Shallow Water Stinger - 34m long
Operating Water Depth (m)	Shallow Water Stinger - 10m to 200m, Deep Water Stinger - 200m to 1800m
A&R Capacity (t)	Drum 1900m, 2.5-inch wire, 140t on last layer

ROV System

ROVs (No. and type)	2 x SCV3000
Operating Depth Rating (m)	3000m