



STAR CENTURION

S-LAY PIPELAY VESSEL / DP2

The 146.5 meter S-lay pipeline installation vessel Star Centurion is a worldclass platform for installing various diameter pipelines in shallow and deepwater. The versatile vessel offers a range of depth configurations with a variable-radius (70-300 metres) and adjustable length (70 and 100 metres) stinger. The Star Centurion can lay coated pipe up to 42-inch OD. With transit speeds of 12 knots, the Star Centurion is readily available for service around the world.

SPECIFICATIONS

LENGTH

146.5m

ACCOMMODATION

Hotel accommodation is provided for total complement of 237 Persons

CRANE

Kenz Crane - 300T Main Crane @ 15 with man-riding capability
Boom length 54.5m. Optional 300m block travel at single line
Huisman Crane – 36T @ 30m with man-riding capability

STINGER

90m max. length, adjustable radius between 70m and 300m

CLASSIFICATION

LR 1A1 LMC UMS DP(AA), IMO Special Ship,

MAIN PARTICULARS

Call sign	YJUU8
IMO no	9241712
Flag	Port Vila, Vanuatu
Year Built	2002 (Conversion 2008)

MEASUREMENT

Length Overall	146.5 m
Including Stinger, 236.5m	
LBP	128.6 m
Beam	30.0 m
Depth	17.1 m
Draft	Transit: 8.5 m Operating: 9.5 m Maximum: 10.0 m
Gross Tonnage	27,082GT
Net Tonnage	8,124NT

CAPACITIES

Bunkers	2,522 m ³
Fresh water	1,250 m ³
Ballast water	8,638 m ³
Chain lockers	6 x 260 m ³

CONSUMPTION/ENDURANCE RANGE

@ Maximum Speed	45 Tons / 55 days
@ Economical Speed	30 Tons / 80 days
@ DP Operations	20 Tons / 120 days

MACHINERY AND PROPULSION

Main Engines (6)	4 x MAN 8L32/40, 3,840 kW each
Emergency gen set	2 x CAT 3512C, 1,785 kW each
Harbor gen set	MAN D2876, 436 kW MAN 6L32/30, 967 kW

PROPELLION

Main Propulsion	2 x 4,500 kW Azimuth Thrusters
Stern Thrusters	2 x 1,500 kW swing down Azimuth Thrusters
Mid Ship Thrusters	1 x 883 kW swing down Azimuth Thruster
	1 x 2,000 kW swing down Azimuth Thruster
Bow Thrusters	2 x 2,000 kW retractable Azimuth Thrusters 1 x 1,320 kW cpp Tunnel Thruster

DYNAMIC POSITIONING SYSTEM

DP-2	Kongsberg SDP 32 3 x DGPS 1 x RADius 2 x Light weight Taut wire 1 x HiPAP 500 3 x Wind Sensor 3 x Gyro Compasses 3 x MRU
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NAVIGATIONAL AND COMMUNICATION EQUIPMENT

Navigational Equipment	Gyro, Auto pilot, Echo sounder, DGPS, GMDSS AREA A1-A3, Radar (2), X-band and S-band, ECDIS, V-Sat
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CRANE/LIFTING EQUIPMENT

Main Crane (Kenz)	300MT @ 15m with man-riding capability, boom length 54.5m Optional 300m block travel at single line
Pipe Transfer Crane (Huisman)	36T at 30 m radius, with man-riding capability, boom length 31m
Shipboard Cranes	15T @ 25 m knuckle boom 10T @ 25 m knuckle boom
Hold Cranes	2 x 25T @ 2.5 provision crane
Bead Stall Crane	Overhead 2 x 25T (can be coupled)
Firing Line Crane	2 x 15T Line-up overhead crane in bead stall
Pipe Elevator	3 x 15T
Cranes can be used in tandem.	1 x 25T from hold to production deck

PIPELAY CAPABILITIES

Pipeline Sizes up to 42" steel OD, optional piggy back min. diameter 2"	
Tensioners	3 x 135MT @ 30 m/min each, total 405MT
A & R Traction Winch	1 x 450MT
A & R Storage Winches	1 x 109mm Wire, Drum Capacity 3500m 1 x 83mm Wire, Drum Capacity 4000m
Work Stations	9
Pipe Hold Storage Capacity	5,000T
Stinger (2 Sections)	90 m max. length, adjustable radius between 70 m and 300 m
Tail Anchor/Start-up winch	100T with 15T FD anchor (alt. suction anchor)
J-mode A-Frame	A-frame 450T

ACCOMODATION

Single Cabins	13 cabins
Double Cabins	94 cabins
4-men Cabins	9 cabins
Total	237 persons
Cabin sizes in compliance to MLC 2006. Hospital with all facilities including quarantine. Smoking and non-smoking lounges for staff, gym, sauna and table tennis room.	

SAFETY

Helideck	S-61 N, CAA,
Lifeboats	2 x 77 men equipped per SOLAS requirements
	4 x 80 men equipped per SOLAS requirements

Fast Rescue Boat

6 men

MISCELLANEOUS

Fresh Water Production	230 m ³ / day
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