Seven Sun

Vessel Info

- **Seven Sun** is a construction / flex-lay vessel capable of operating in water depths of up to 3,000m.
  - Length 145.9m x breadth moulded 29.9m
  - Service Speed 13.0 knots
  - Accommodation 120 persons
  - Special Purpose Ship Code Compliant

Fast Facts

- Full specification overleaf

- Proven track record operating in water depths up to 3,000m in Brazil for pre-salt area projects
- Work-class ROVs rated to 3,000m for pipelay and ROV support operations
- ECO Lloyds notation at design/service
- Vertical Lay System rated to 550t top tension capacity for flexible products and moonpool designed to hang off products (flexible and rigid) up to 600t load capacity
Seven Sun

Classification
Lloyds Register, +100A1, Pipe Laying Ship, Helicopter Landing Area, WDL(10/ m2 Aft to Fr.120), *IWS, LI, ECO. LMC, UMS, OCC, DP(AA), NAV1, IBS, CAC3

Built / Delivery
Merwede Shipyard,
The Netherlands / 2016

Flag State Authority
Isle of Man Government

Port of Registry
Douglas

Length Overall
145.9m

Breadth moulded
29.9m

Depth to maindeck
13.0m

Draught (operational)
7.2m

Draught (max)
8.3m

Deadweight (operational)
7,025t

Deadweight (max)
11,312t

Gross Tonnage
18,666

Net Tonnage
5,185t

Air draft (with TLS vertical)
66.9m at 6.6m draught

Air draft (with TLS inclined)
47.4m at 6.6m draught

Deck strength
10t/m² partially on aft deck, 5t/m² elsewhere approx 1,200m²

Deck area
approx 1,200m²

Cranes
MacGregor Offshore Knuckle Boom Crane
Main line (AHC) 100t
Whip line (man riding) 10t

MacGregor Auxiliary Knuckle Boom Crane
Main line (AHC) 25t
Whip line (man riding) 10t

H5 Marine Service Crane on the TLS tower
Main line (man riding) 25t

H5 Marine Combined Knuckle Boom/Telescopic Stern Crane
Main line 30t

TTS Stores / Moonpool Handling Knuckle Boom Crane
Main line 5t

TTS Stores / Moonpool Handling Telescopic Boom Crane
Main line 10t

Pipe Lay Systems
The vessel is fitted with two underdeck storage carousels, with a capacity for 2,500t and 1,500t of product. A vertical (tiltable) lay system (550t top tension capacity) is permanently installed for deployment of a range of flexible products with a diameter from 50 to 647.6mm. The lay tower can operate at up to 10° and is fitted with two tensioners, each of 275t capacity which can be retracted clear of the firing line, and with two wire centralisers. The system has two A&R winches, one 600t capacity with 3,500m wire and one 200t capacity with 3,000m wire. The moonpool is designed to hang off products up to 600t and is fitted with a mechanism to allow the product to be rotated under full load.

ROV Systems
The vessel is fitted with two over side launched work-class Forum XLX-C ROVs rated to 3,000m.

General Information

Power and Propulsion

Service Speed
13 knots (approx)

Main Engines / Generators / Propulsion
6x 3,840kW (Wartsila diesel electric)
3x 2,950kW stern azimuth thrusters (Wartsila)
2x 2,400kW retractable bow azimuth thrusters (Wartsila)
2x 2,200kW bow tunnel thrusters (Wartsila)

Total thruster power 18,050kW

Accommodation

120 persons
Single cabins (with dayroom) 4
Single cabins 40
Double cabins 38
Hospital (not included in total) 3

Helideck

D value 22.2m
T value 12.8t

The vessel is fitted with an approved and certified helideck suitable for Sikorsky S92 and Super Puma operations.

The Subsea 7 fleet comprises of vessels that have exceptional versatility, capable of operations worldwide including; pipelay, construction, survey, remote intervention, diving support, heavy lifting operations, renewables and decommissioning.

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