



VESSELS

Rigid Pipelay /
Heavy Lift

Our Values



Safety



Integrity



Sustainability



Performance



Collaboration



Innovation

subsea 7



Seven Champion

Vessel Info

Full specification overleaf

Seven Champion is a DP2 Pipelay / Construction / Accommodation / Work barge capable of pipelay, pipe recovery, platform installation and maintenance.

- Length 142m x breadth 40m
- 1x 2,200t at 26.5m radius, Huisman offshore mast crane
- 2x 68t at 15.2m radius, pipe handling crane
- 2x 100t horizontal tensioner, S-Lay system centre firing
- Deck Area, 4,000m², deck strength 17t/m²
- DP Class II DP (AA) with LRS

Fast Facts

- Shallow water DP operation (up to 10m water depth)
- Operational flexibility: can work on DP and on Anchor
- Air-conditioned firing line
- Large accommodation facility for 360 - 470 persons



Seven Champion

subsea 7

General Information

Type	Rigid Pipelay / Heavy Lift
Classification	Lloyds Register, Heavy Lift Barge, 100 A1 Accommodation Barge / Pipe Laying Barge, Helideck Area Deck Strengthened for 17 Tonnes / M2 Uniform Distributed Loading, LA, X LMC, DP (AA), IWS
Builder	Labroy Shipbuilding & Engineering Pte Ltd, Indonesia
Year Built	2007
Flag	Singapore

Principal Dimensions

Length Overall (m)	142.0m
Breadth Moulded	40.0m
Depth Moulded	10.0m
Draught (max)	6.5m
Deadweight	16,258t
GRT	25,112t
NRT	7,533

Main Deck

Deck Area	4,000 m²
Deck Strength	17t/m²
Deck Cargo Capacity	6,464t

Tank Capacities (100%)

Fuel Oil (m ³)	3,310m³
Potable Water (m ³)	2,260m³
SWB (m ³)	11,607m³
Industrial Water (m ³)	707m³

Power and Propulsion

Stern Azimuth Thruster Fwd	3x Ulstein Aquamaster US255, 2,400 kW ea
Stern Azimuth Thruster Aft	3x Ulstein Aquamaster US255, 2,400 kW ea
Main Generator	6x Bergen B32:40L8A rated 3,840kW / 6,600V / 60Hz / 3Ph
Auxillary Generator	2x Bergen KRMB-6 rated 1,325kW / 440V / 60 Hz / 3Ph
Emergency Generator	1x CAT 3408 rated 350kW / 440V / 50Hz / 3Ph

Vessel Speeds and Fuel Consumption

Maximum Speed	7.0 knots (must be towed)
Economic Speed	5.5 knots
Economic Speed Fuel Consumption	18.0m³/day

DP Systems

DP 2 System	Converteam A-Series Duplex DP System
DP Position Reference Interface Taut Wire	2x Bandak AS MK-15B Light Wt Taut Wire
	700 m x 4.9 mm + 0.1 mm, Diepa Super 4 Rope
	Minimum Breaking Force 18.1 kN
	2x Trimble DSM 232 + Fugro LRS 3510
	Demodulator
	GPS/GLONASS
	1x CY Scan
	1x Sonardyne Ranger 2 Survey USBL
	1x Radascan
DGPS 2x Veripos LD6 LD6	
Laser Reference	
Acoustic Reference	
Radar Reference	

Pipelaying System

Type	S Lay System Centre Firing
Pipe Outer Diameter	6-inch - 60-inch
Pipe Tensioning System	2x 100t, Horizontal Tensioner, SAS SE100LCS25AC
Workstations - Firing Line	5x Single Joint Welding Stations, 1x NDT Station
	2x Coating Stations
	A & R Winch, SAS ARW220E25AC, SWL 200t

A&R System	
Steel Wire Rope Capacity	
Stinger	
Type	

Features:

Length (section 1)	50m
Length (section 2)	17m
Weight (section 1)	300t
Weight (section 2)	70t
Pipe Handling Davits	5x 50t with load cells, SAS HDLD50FB

Helideck

Type	27.5m x 22.2m (Suitable for Sikorsky S-92) certified CAP437
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Cranes

Deck Crane (main)	2,200t at 22m, rear lift. 2,200t at 22m, 270° Port/Stbd (0° reference at the AFT) 302t at 64.3m and 76m hook travel
Pipe Handling Crane	2x AmClyde 35000 HD, SWL 68t at 15m

Accommodation

Berths (No.)	350 (max POB)
Cabins (No.)	10x 1 person 30x 2 person, 100x 4 person

Vessel System

Anti-heeling system	4 pairs of tanks / 4 pumps
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The Subsea7 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.

