

Seven Champion

Rigid Pipe-lay /
Heavy Lift

subsea 7



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

- Length 142m x breadth 40m
- 1x 2,200t @ 26.5m radius, Huisman offshore mast crane
- 2x 68t @ 15.2m radius, pipe handling crane
- 2x 100t horizontal tensioner, S-Lay system centre firing
- Accommodation for 360 - 470 persons
- Deck Area, 4,000m², deck strength 17t/m²
- DP Class II DP (AA) with LRS

General Information

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

Principal Dimensions

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| 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 |

Power and Propulsion

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| 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 |
| Auxiliary Generator | 2x Bergen KRMB-6 rated 1,325kW / 440V / 60 Hz / 3Ph |
| Emergency Generator | 1x CAT 3408 rated 350kW / 440V / 50Hz / 3Ph |

Dynamic Positioning Systems

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|---------------------------------|---|
| 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 |
| DGPS 2x Veripos LD6 | Demodulator |
| LD6 | GPS/GLONASS |
| Laser Reference | 1x CY Scan |
| Acoustic Reference | 1x Sonardyne Ranger 2 Survey USBL |
| Radar Reference | 1x Radascan |

Main Deck

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| Deck Area | 4,000 m ² |
| Deck Strength | 17t/m ² |
| Deck Cargo Capacity | 6,464t |

Tank Capacities (100%)

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

Accommodation

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| Berths (No.) | 470 beds L/B Cap 360 |
| Cabins (No.) | 10x 1 man, 30x 2 men, 100x 4 men |

Cranes

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| Deck Crane (main) | 2,200t @ 26.5m , rear lift. 2,200t @ 22m, 360° lift 302t @ 64.3m and 76m hook travel |
| Pipe Handling Crane | 2x AmClyde 35000 HD, SWL 68t @ 15m |

Pipe Lay Equipment

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| Type | S Lay System Centre Firing |
| Pipe Outer Diameter | 6" - 56" |
| 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 220t |
| A&R System | |
| Steel Wire Rope Capacity | 1,200m x 88mm (Ø) |
| Stinger | Fixed Type Stinger |
| Type | Dedicated winch for stinger handling system |
| 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

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| Type | 27.5m x 22.2m (Suitable for Sikorsky S-92) certified CAP437 |
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Vessel System

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| Anti-heeling system | 4 pairs of tanks / 4 pumps |
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