

LEIGHTON



LEIGHTON STEALTH

Pipelay Accommodation Work Barge

- Shallow water pipelay barge with min. draft of 2.7 m
- Suitable for cable lay, lifting, diving, and hook-up support
- 2 x 80 MT crawler cranes
- Reinforced stinger A-frame for 400 MT heavy lift
- Accommodation for 232 pax





Vessel Features

Leighton Stealth

GENERAL

Class	ABS + ✱A1, Pipelay / Accommodation / Work barge / BWT+ / Helideck
Flag	Singapore
Port of Register	Singapore
Year of Built	2006
Gross Tonnage	7'863 MT
Net Tonnage	2'358 MT
Official No.	392271
Compliance	MODU code 1989 ISM: Interim DoC,SMC,ISPS, SVOC DMLC
Dry Dock	Last: 29 Dec 2022, Next: 09 Aug 2026

DIMENSIONS

LOA	100.59 m
Breadth	30.48 m
Depth	6.16 m
Draft (Minimum)	2.7 m
Draft (Operating)	4.3 m
Draft (Maximum)	4.5 m
Deck Loading Capacity	Min. 15 MT/m ²
Deck Frame Spacing	1.83 m
Deck Working Space	Approx. 1000m ²

MOORING SYSTEM

Arrangement	9-point mooring system
Fwd Mooring Winches	5 x single drum, 45 MT (mid drum) capacity, complete with 1200m of 42mm diameter wire rope
Aft Mooring Winches	4 x single drum, 35 MT (mid drum) capacity, complete with 1200 m of 42 mm diameter wire rope
Winch Control System	Local and remote control Electro hydraulic system
Tension Monitoring System	Fully automatic with payout length and tension measurement
Anchor	9 x 7 MT Delta Flipper & 1x 6 MT Stockless Anchor

CRANEAGE / LIFTING

Main Crane	2 x Hitachi Sumitomo SCX 2800-2 (80MT) crawler cranes with 45.7 m & 51.8 boom
Bow Crane	1 x knuckle boom crane on STBD bow
Stinger Frame (Optional)	Lifting capacity of 400 MT dynamic load, suitable for lifting subsea structures including PLEMS

PIPELAY CAPABILITY

Tensioner	2 x 50 MT track tensioners
Pipe Size Range	8" - 60" overall OD
Control System	Fully automatic electro hydraulic with manual override joystick control, pay in and pay out
Work Stations	Beveling station 7 totals stations in the firing line: 1 x fit up plus root & hot pass 2 x fill 1 x cap 1 x repair 1 x NDT 1 x field joint coating and strapping
Welding System	Accommodates manual, semi-automatic and fully automatic
Abandonment and Recovery Winch with Auto Load Transfer	100 MT capacity single drum complete with 600m of 60mm diameter wire rope
Pipe Handling System	Accommodates single pipe joint with Max pipe weight 32 MT 1 unit transverse pipe conveyor 2 units transfer vehicles 2 units line up tables 3 units longitudinal fixed rollers 1 unit auxiliary support 2 units elevating track supports 4 units stinger horizontal rollers 1 unit stinger vertical rollers Electro-hydraulic control system
Pipe Ramp	2.7 degree inclination
Stinger	Fixed truss type 30 m long
Stinger Winches	2 x 30 MT Capacity

MACHINERY

Generators	4 x 1291 kW – Cummins engines 1 x 400 kW (Harbor) 1 x 448 kW (Emergency) System voltage: 415 V, 3 phases, 50 Hz
Air Compressors	4 x 290 cfm – CompAir
Air Dryer	174psi - Ingersoll-Rand
Sewage Treatment Plant	1 no Hamworthy model ST15 - 240 man capacity
Water Maker	2 x 50 m ³ /day - Watertek



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ACCOMODATION & HELICOPTER FACILITIES

Accommodation	Fully air-conditioned & furnished 232 persons (4 x 1 man, 10 x 2 man, 52 x 4 man cabins)
Hospital	With 3 beds
Galley	Fully-equipped to cater 240 man, with cool room, freezer room, and dry store
Common Facilities	2 x Recreation room Internet room Gymnasium Locker room Common toilets Laundry Stores
Control Room & Offices	Radio and control room Conference room Multi-purpose room
Workshop	Fully-equipped mechanical, electrical, welding and common workshops
Helideck	Suitable for Sikorsky S61 and S92 type helicopters. Compliant helideck CAP 437 & ABS

SAFETY EQUIPMENT

Lifeboats	4 x 116 persons
Rescue Boats	2 x Viking 470 GRP
Navigation	COLREGS compliant arrangement
Life Rafts	20 x 25 persons
Immersion Suit	272 (30x S, 80x M, 90x L, 60x XL, 12x Adult 1.5to1.9m)
LifeJacket & Buoy	264x Life Jacket & 14x Buoy
Fire Detection, Alarm & Fighting	Fire detection & alarm system Water sprinkler system Fire hydrants Portable & Non-Portable fire extinguishers CO ₂ system Emergency fire pump, 100 m ³ /hr @60 m Helideck sea water pump / direct bilge pump, 150 m ³ /hr @100 m

SERVICE TANKS

Marine Diesel Storage	976.3 m ³ @ 98%
Fresh Water Storage	1348.4 m ³ @ 100%
Ballast Water	Total 5882.75 m ³ certified tanks barge full ballast system comprising 10 ballastable compartments
Sewage Storage	65.5 m ³

AUXILIARY EQUIPMENTS AND PUMPS

Ballast Water Treatment System	1x Tech-Cross Electro-Clean System ECS150B
Bilge / Fire / Ballast Pump	2 x 200 m ³ /hr @ 60 m
Machinery Cooling / GS	2 x 35 m ³ /hr @ 15 m
FO Cargo Pump	2 X 70 m ³ /hr @ 50 m
FW Cargo Pump	1 x 40 m ³ /hr @ 40 m
FW Domestic Pump	2 x 15 m ³ /hr @ 50 m
Plimsoll / Anchor Wash Pump	2 x 20 m ³ /hr @ 60 m
Sewage Discharge Pump	1 x 5 m ³ /hr @ 20 m
Sludge / Dirty Oil Discharge Pump	1 x 11.3 m ³ /hr @ 20 m
FO Transfer Pump	2 x 3.5 m ³ /hr
LO Transfer Pump	1 x 3.5 m ³ /hr @ 20 m
Hydraulic Oil Transfer Pump	1 x 3.5 m ³ /hr @ 20 m
Hot Water Circulating Pump	2 x 4 m ³ /hr
Sprinkler Pump	1 x 85 m ³ /hr @ 100 m

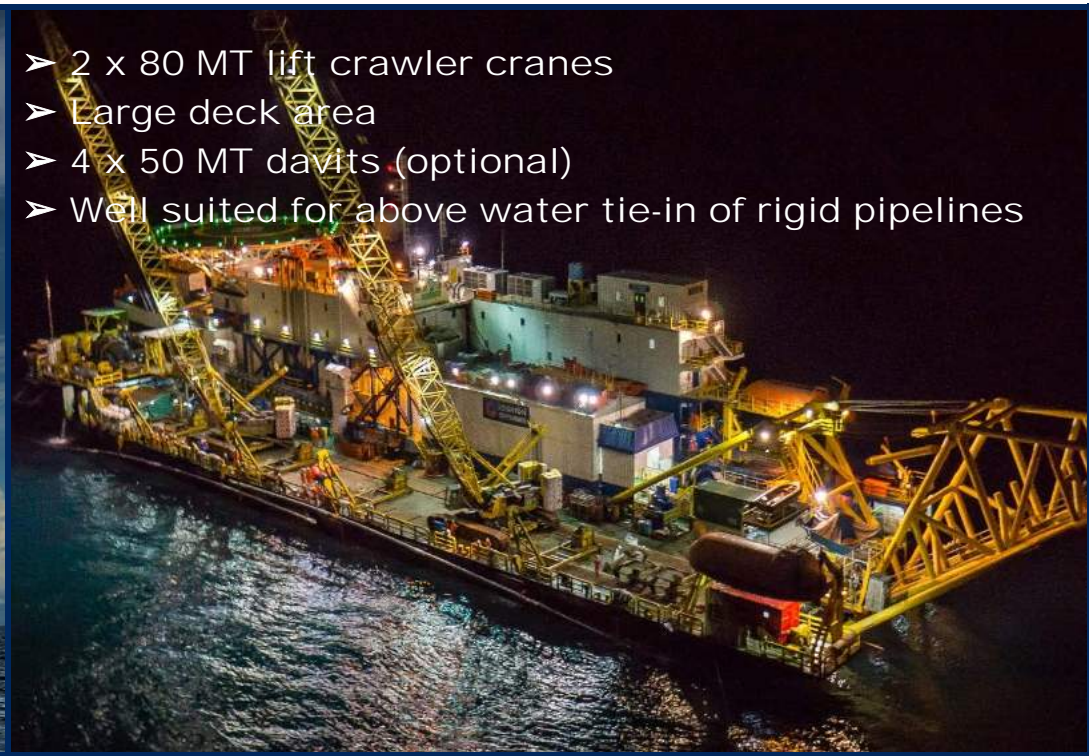
COMMUNICATION & NAVIGATION

Communication System	2 – GMDSS Sea Area: A1+A2+A3 (INMARSAT) MF / HF radio VHF DSC radio Inmarsat, Mini Sat-C Explosion proof IS portable VHF radio Aero VHF fixed & portable radio SSAS EPIRB, SART Distress safety system area KU band satellite system CCTV system Satellite TV antenna PA system & talkback system Integrated telephone system LAN System
Navigation System	GPS positioning Navtex AIS Compass Weather stations Searchlight, inclinometer, and daylight Navigation lights Signaling lamp

- Solid track record in pipelay & hook-up support works
- Achieved production of 100 joints of 48" Diameter (X65 PSL 2) pipe in a day
- Laid rigid pipe in Australia, Africa, Europe, and Asia (Middle East, SEA and India)



- 2 x 80 MT lift crawler cranes
- Large deck area
- 4 x 50 MT davits (optional)
- Well suited for above water tie-in of rigid pipelines



- Accommodation for 232 pax with helideck
- Min. draft of 2.7 m



- Stinger heavy lifting for subsea structure installation (optional): Dynamic capacity of 400 MT

