



Wave Venture

The Wave Venture was converted in 1999 as a cable lay and multi-purpose offshore vessel.

The vessel has been designed and constructed to a very high standard and has the ability to perform a variety of offshore and subsea operations.

The vessel has the ability to perform multi-purpose roles, including ROV support, cable installations and offshore construction projects.

Propulsion and Electric Power Generation

Main Engine:	1 x MAK Type 12 M453-600RPM 3600 kw
Main Auxiliary:	3 x Wartsila Type 9L20C Diesel Engines Rating - 1530 kW @ 900 rpm - each
Auxiliary Generators:	3 x Caterpillar 3516 TA/SR4 Rating - 1511 kW @ 1800 rpm - each
Propellers:	1 Controllable Pitch Propeller
Thrusters:	2 x Aquamaster azimuth Type US 1401 Each 1100kW 1 x Forward Tunnel - Brunvoll Type FU-80, 1350 kW 1 x Forward Tunnel - Brunvoll Type FU-63, 700 kW 1 x Forward Tunnel - Brunvoll Type SAX-VP, 590 kW

Fuel Consumptions

Alongside:	2.7 tonnes/day
Cablework:	16 tonnes/day
Economic:	16 tonnes/day
Maximum Speed:	26 tonnes/day
Bunker Capacity:	733 tonnes @ SG 0.84

Capacity and Equipment

Cable Tanks

Main Cable Tanks:	3
Internal Diameter:	14.40m
Cone Outer Diameter:	2.00m
Tank Height:	3.50m
Cone Height:	3.10m
Volume of Cable Tanks:	400 cubic metres
Maximum Load per Tank:	798 tonnes
Tank Top Loading:	5 tonnes/square metre

Particulars

Endurance	40 days at sea
Speed	
Service Speed:	12.5 Knots
Accommodation	
Total Berths:	62
Officer Cabins:	28
Crew Cabins:	4 x Single 15 x Double

Cable Machinery	2 x (P & S) Dowty AC electric 28 Tonnes SWL 4 m Diameter Cable Drums with fixed angle fleeting knives plus fleeting rings 2 x (P & S) Dowty AC electric 4WP Draw Off/Hold Back (DOHB), with a hydraulic cable diverter 2 x2 WP electric drive Cable Transporters
Repeater Stowage	One air conditioned, temperature controlled repeater stack Total repeater capacity of 35 repeaters at 340 mm diameter
Deck Equipment	SMD 30 Tonne SWL (Sea State 5) A Frame
Starboard Aft Crane:	Hydralift Model: MCVC2T 1610-(2-5)-(19-10)-(10), 2 tonne SWL @ 19m Radius, 5 Tonnes @ 10m Radius.
Port Aft Crane:	Hydralift Model: MCVC2T 1610-(2-5)-(19-10)-(10), 2 tonne SWL @ 19m Radius, 5 Tonnes @ 10m Radius.
Stores Crane - Port Fwd	Hydralift Model: MCV 886-2-10. 2 tonne SWL @ 10m Radius Hydralift Model: MCV 886-2-10, 2 Tonne SWL @ 10m Radius 2 x Deck Tugger Winches, 1 off 10 Tonne SWL, 1 off 5 Tonne SWL
Plough	Longbeam passive share with 1.5m burial capability
ROV Equipment	ROV A Frame - Dynacon 12t SWL ROV A-frame with ST204 ROV

Technical and Navigational Info

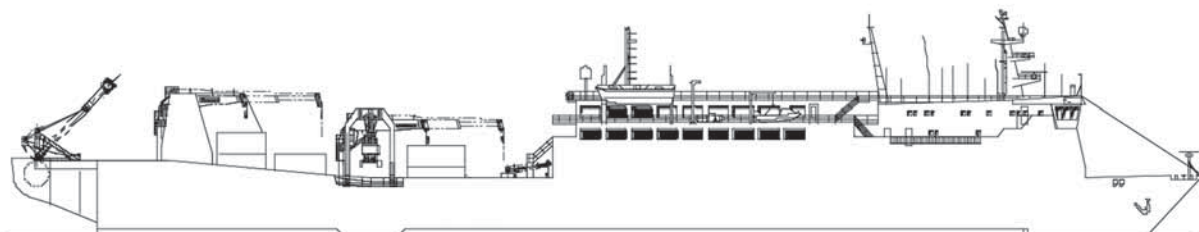
Navigational Aids, Radio Equipment & Communications

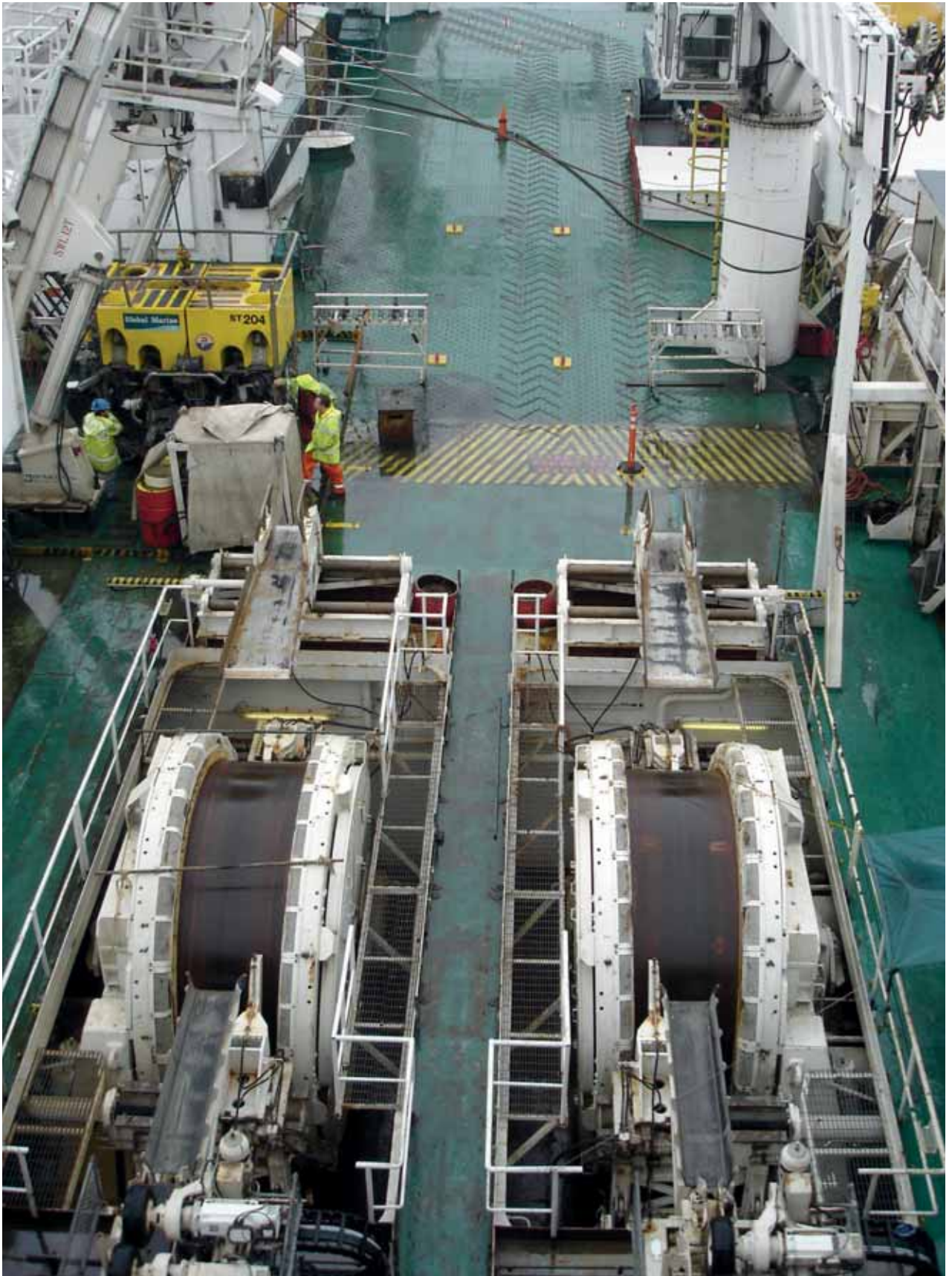
Radar:	Operations Control Room Radar 2 x Racal Decca, Bridge Master E (Litton Marine Systems)
GPS:	2 x LMX400 (Litton Marine Systems)
Gyro:	2 x Sperry Marine Navigatx Mk1
Standard Compass:	Iver, C. Weilbach Co. Copenhagen
Echo Sounder:	1 x Elac LAZ 5000, 1 x Simrad EA500
DP system:	A Class 1 Converteam (CEGLEC) Duplex DP system with 3x DGPS PME, 1x Tautwire PME and a HPR reference system, provide a high degree of position keeping accuracy.
Modes of Operation:	Joystick Manual/Auto Heading Dynamic Positioning, DP Minimum Power ROV Follow, Auto Track, Pilot & Sail, Model Control
Navtex:	Furuno NX 500
Satcom Saturn 'B':	2 x Telephone+ Fax
Satcom Standard 'C':	2 x SAILOR Transceiver H2095

General Dimensions and Particulars

Type of Ship	Cable Ship
Builders	Danyard Frederikshavn
IMO Number	8027810
ABS I.D.	82147301
Call Sign	MZD07
Port of Registry	London
Length Overall	141.50 metres
Length Between Perpendiculars	122.85 metres
Breadth Moulded	19.39 metres
Depth Moulded	11.60 metres
Summer Draft	3.514 metres
Designed Draft	6.10 metres
Deadweight	5012 tonnes
Gross Registered Tonnage	10076 tonnes
Net Registered Tonnage	3023 tonnes
Suez Tonnage	8168.85 tonnes
Classifications:	ABS, A1, AMS

Fitted with 'Navigator' survey spread for instant & accurate position referencing and post processing capability to meet all clients needs.





All performance figures quoted are nominal, actual performance is dependent on environmental conditions prevailing at the time of operations.

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