

TELFORD
OFFSHORE

TELFORD 34

**DP3 Pipelay
Offshore Construction
SURF
Accommodation & Hook Up**



TELFORD 34



Built according to a distinctive hybrid design philosophy, the multipurpose Telford 34 DP3 vessel includes a large unobstructed deck, an 800mt capacity crane with active heave compensated (AHC) features, a heave compensated gangway and a modular rigid/flexible pipelay system.

SPECIFICATIONS

General

- **Classification** ABS ✱ A1 Barge (E), ✱ PAS, ✱ DPS-3, CRC
- **Flag** Gibraltar
- **Call Sign** ZDJL7
- **IMO Number** 8770273
- **Delivery** April 2010

Principal Dimensions

- **Length Overall** 118.80m
- **Breadth** 30.40m
- **Extreme Breadth** 36.40m
- **Depth Main Deck** 8.40m
- **Operating Draft** 5.00m
- **Maximum Draft** 8.94m (Retractable thrusters deployed)
- **Gross Tonnage** 14 725t
- **Net Tonnage** 4 605t

Cranage

- **Mast Crane** (*Huisman-Itrec*)
 - **Main Hoist**
800mt @30m over the stern
800mt @26m revolving
 - **Whip Hoist** (man-riding)
120mt @33.50m 3 falls
100mt @39.00m 2 falls (AHC)
50mt @72.00m 1 fall (AHC)
- **Pedestal Crane** (*TTS Marine ASA*)
 - **Main Hoist**
34mt @20m
22mt @30m
 - **Aux. Hoist** (man-riding)
5mt @31m

Clear Deck Area

- Approx. 1350m²

Deck Load

- 10 t/m²

Capacities

- **Fuel Oil** (storage) 1783m³
- **Fuel Oil** (day tanks) 137m³
- **Fuel Oil Overflow** 24m³
- **Fuel Oil Purification** 83m³
- **Lube Oil** (Storage) 49.4m³
- **Fresh Water** 2667m³
- **Ballast Water** 7130m³
- **Sludge Oil** 115m³
- **Dirty Oil** 82.3m³
- **Black/Grey Water** 524m³
- **Bilge Water** 172m³

Service Air

- **Service Air Compressor** (*Deno*)
2 x 24m³/min FAD@6 bar

DP System

- **Kongsberg K-POS 22**
Aft Working Bridge
- **Kongsberg K-POS 12**
Fore Navigation Bridge

DP Reference System

- **2 x Radius 1000**
(independent operated)
- **2 x DGPS Receivers**
- **3 x Gyro Compass**

- **3 x Motion Reference Units**
- **2 x Lightweight Tautwire**
- **1 x HIPAP 500**
- **1 x Gangway** (if connected)
- **1 x Cyscan + Prisms Clusters**
- **3 x Wind Sensors**

Power Plant

- **Main Generators** (*Caterpillar*)
4 x Diesel Engines type CAT 3516 B
(1825 kW)

Propulsion

- **Bow Thruster** (*Rolls Royce*)
1 x electrically driven 1355kW
- **Stern Thruster** (*Rolls Royce*)
2 x FPP azimuth, 1920kW each
direct driven diesel
- **Forward/Aft Thruster** (*Rolls Royce*)
4 x FPP retractable azimuth,
1920kW each direct driven diesel

Endurance

- **Fresh Water** 2 x 50t/24hrs
1 x 200t/24hrs
- **Fuel Oil** (typical)
 - **Harbor** 5m³/24hrs
 - **Transit** 20m³/24hrs
(2 x aft thrusters only)
 - **DP** 15m³/24hrs





Helideck

- ABS, CAP437 7 Edition compliant suitable for Sikorsky S-92A Helibus
- Max. "D" 22.20 m
- Max. T.O.W 13t
- Helideck Monitoring System 100
- Fixed Foam System (3 monitors)

Accommodation

- Fully air-conditioned permanent accommodation for up to 335 persons in cabins all with individual bathroom facilities. Including conference room, offices, cinema, gymnasium, recreation rooms, laundry, internet café as well as a hospital.
- **335 berths in 100 cabins**
 - 5x1 person cabins
 - 25x2 persons cabins
 - 70x4 persons cabins

Radio/Communication

- V-Sat Antenna (*Intellian V150NX*)
- GMDSS Areas 1, 2 & 3
- EPIRB
- SART
- Integrated Telephone System
- Sound Powered Telephone
- Public Address System

Lifesaving Appliances

- Liferafts 30x25 persons
- Lifeboats 4x102 persons
2x106 persons
- Fast Rescue Boat 1x6 persons

Gangway

- Electric-Hydraulic Telescopic Personnel Transfer Gangway (*Marine Aluminium*)
- Operational length 36.50m

Pipelay Equipment

- **Pipelay System (SAS)**
Starboard mounted single joint S-lay system
- **Capacity**
4" - 48" diameter pipe (with coating 60")
- **Tensioners**
2x60t Horizontal Tensioners
- **Stinger**
Length 55m, supported by A-Frame
- **Workstations**
7 working stations for welding, NDE (X-ray or Ultrasonic), pipe repair and coating
- **A&R system**
 - 120t A&R winch
 - 120t Measuring Sheave

Mooring System

- **Anchor Windlass (DMT)**
2xElectrical Anchor Windlasses with wrapping heads
- **Capstan (DMT)**
4x10t

Additional Data

- **Moonpool**
7.90x7.20m near midship, PS, between frame 48 and 60
- **Sewage Treatment Unit (EVAC)**
Vacuum system, with nil overboard discharge
- **Incinerator (TeamTec)**
1x800,000 kcal/h
- **Yokohama Fenders**
2x 6.50x3.30m



LOCATIONS - OPERATIONS



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Latin America

Mexico

Calle 35 D, Suite 10
Col Malibran, 24197
Cuidad del Carmen, Campeche
Mexico
Tel: +52 (1) 5564 151 719 (Mexico)
+54 (9) 11 2790 2463 (Argentina)

Europe

The Netherlands

Maxwellstraat 2
3316 GP Dordrecht
The Netherlands
Tel: +31 78 6526 930

West Africa

Angola

Condominio Mares do Sul
Casa no. A07
Talatona - Benfica
Luanda
Angola
Tel: +244 923 522175

Ghana

F181/5 Josiah Tongorara Street
PMB CT 68 Cantonments
Accra, Ghana
Tel: +233 203 654 079
+233 544 312 460

Middle East

UAE, Dubai – Headquarters

Telford Offshore Ltd
Floor 31, Reef Tower
P.O. Box 5003365
Jumeirah Lakes Towers
Dubai, United Arab Emirates
Tel: +971 4 350 7600

Asia-Pacific

Australia

Level 24, 77 St Georges Terrace
Perth WA 6000
Australia
Tel: +61 4 2417 0254

contact@telfordoffshore.com