



**TELFORD**  
OFFSHORE

## **TELFORD 34**

**DP3 Pipelay  
Offshore Construction  
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  
✕ 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** 37.20m
- **Depth Main Deck** 8.40m
- **Operating Draft** 5.00m
- **Maximum Draft** 5.84m
- **Maximum Draft** 8.94m  
(Retractable thrusters deployed)
- **Gross Tonnage** 14725t
- **Net Tonnage** 4605t

### 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. 1350m<sup>2</sup>**

### Deck load

- **10t/m<sup>2</sup>**

### Cargo Capacities

- **Dead weight** 9378t
- **Fuel Oil** 2313.5m<sup>3</sup>
- **Lube Oil** 97.70m<sup>3</sup>
- **Fresh Water** 2666.80m<sup>3</sup>
- **Ballast Water** 7129.7m<sup>3</sup>

### Service Air

- **Service Air Compressor (Deno)**  
2x24m<sup>3</sup>/min FAD@6 bar

### DP System

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

### DP Reference System

- **2x Radius 1000**  
(independent operated)
- **2x DGPS Receivers**
- **3x Gyro Compass**
- **3x Motion Reference Units**
- **2x Lightweight Tautwire**
- **1x HIPAP 500**
- **1x Gangway (if connected)**
- **1x Cyscan + Prisms Clusters**
- **3x Wind Sensors**

### Power Plant

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

### Propulsion

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

### Endurance

- **Fresh Water** 2x50t/24hrs
- **1x200t/24hrs**
- **Fuel Oil (typical)**
  - ▶ **Harbor** 5m<sup>3</sup>/24hrs
  - ▶ **Transit** 20m<sup>3</sup>/24hrs  
(2x aft thrusters only)
  - ▶ **DP** 15m<sup>3</sup>/24hrs

### Helideck

- **ABS, CAP437 7<sup>th</sup> 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 339 persons in cabins all with individual bathroom facilities. Including conference room, offices, cinema, gymnasium, recreation rooms, laundry, internet café as well as a hospital.
- **339 berths in 101 cabins**
  - ▶ 5x 1 person cabins
  - ▶ 25x 2 persons cabins
  - ▶ 71x 4 persons cabins

### Radio/Communication

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

### Lifesaving appliances

- **Liferafts** 28x25 persons
- **Lifeboats** 4x102 persons  
2x106 persons
- **Fast Rescue Boat** 1x6 persons

### Gangway

- **Electric-Hydraulic Telescopic Personnel Transfer Gangway (Uptime/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 57.5

### 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)**  
2x Electrical 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 6.50 x 3.30m



# LOCATIONS - OPERATIONS



**We serve all operators, from majors, internationals and NOCs to small independents and contractors — so let's keep in touch.**

## Latin America

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