



TELFORD
OFFSHORE

TELFORD 31

**DP3 Offshore
Construction
Accommodation &
Hook Up**

TELFORD 31



- Built according to a distinctive hybrid design philosophy, the multipurpose Telford 31 combines strong offshore construction capability with high accommodation capacity. With 1300m² of unobstructed deck area and a 400mt capacity active heave-compensated (AHC) subsea crane, she offers extensive subsea support services for a wide variety of projects.
- T31 has delivered accommodation services for BP Angola to support the hook-up operations of the PSVM turret moored FPSO on Block 31, and on multiple deep water FPSO hook up and commissioning projects for Total Angola (Dalia , CLOV, Pazflor).
- Telford 31's deep water crane capabilities were used by Exxon on the Erha project in Nigeria for the installation of suction piles and subsea manifolds at water depths in excess of 1000m. She has also been utilized on multiple subsea projects in the Gulf of Mexico for a wide range of clients and contractors.



SPECIFICATIONS

General

- **Classification** ABS ✱ A1 Barge, ✱ AMS-NP, ✱ DPS-3, CRC
- **Flag** Gibraltar
- **Call Sign** ZDKB6
- **IMO Number** 8770285
- **Delivery** February 2011

Principal dimensions

- **Length Overall** 111.00m
- **Breadth** 30.48m
- **Depth Main Deck** 6.71m
- **Operating Draft** 4.78m
- **Maximum Draft** 5.00m
- **Maximum Draft** 7.45m (Retractable thrusters deployed)
- **Gross Tonnage** 12536t
- **Net Tonnage** 4356t

Cranage

- **Mast Crane** (*Huisman Itrec*)
 - **Main hoist** (AHC)
400mt @16m 2 falls
200mt @29m 1 fall

- **Whip Hoist** (man-riding)
40mt @all radii 2 falls
20mt @all radii 1 fall

- **Pedestal Crane** (*TTS Marine*)

- **Main Hoist** 34mt @20m
22mt @30m

- **Aux. Hoist** (man-riding)
5mt @31m

Clear Deck Area

- **Approx. 1300m²**

Deck load

- 10 t/m²

Cargo capacities

- **Dead weight** 5873t
- **Fuel Oil** 2662.40m³
- **Lube Oil** 138.80m³
- **Fresh Water** 2219.4m³
- **Ballast Water** 2359.60m³

Service Air

- **Service Air Compressor** (*Quincy*) 2x6 m³/h@10 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**
- **1x Lightweight Tautwire**
- **1x HIPAP 500**
- **1x Gangway** (if connected)
- **1x Cyscan**
- **3x Wind Sensors**

Power Plant

- **Main Generators** (*Caterpillar*)
7x Diesel engines type CAT 3516 B (1825kW)

Propulsion

- **Bow Thruster** (*Wartsila*)
1x electrically driven (1355kW)
- **Forward/Aft Thrusters** (*HRP*)
4x fixed pitch retractable azimuth thrusters, electrically driven (1600kW)
- **Center/Aft Thruster** (*Wartsila*)
1x electrically driven retractable fixed pitch thruster (1 000kW)

Endurance

- **Fresh Water** 2x 60t/24hrs
1x 100t/24hrs
- **Fuel Oil** (typical)
Harbor 6m³/24hrs
Transit (2x aft thrusters only)
19m³/24hrs
DP 12m³/24hrs

Helideck

- **ABS, Cap437 7th Edition**
compliant, suitable for Sikorsky S-92A Helibus
- **Max. "D"** 22.20m
- **Max. T.O.W.** 13t
- **Helideck Monitoring System 100**
- **Fixed Foam System** (3 monitors)
- **Heli refueling system**

Accommodation

- Fully air-conditioned permanent accommodation for up to 477 persons in cabins all with individual bathroom facilities. Including conference room, offices, cinema, gymnasium, recreation rooms, laundry, internet café as well as a hospital.

- **477 berths in 133 cabins**

- 5x1 person cabins
- 20x2 persons cabins
- 108x4 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** 61 x 25 persons
- **Lifeboats** 4 x 102 persons
- **Fast Rescue Boat** 1 x 6 persons

Gangway

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

Mooring System

- **Anchor Windlass** (*DMT*)
2x Electrical Anchor Windlasses with wrapping heads
- **Capstan** (*DMT*) 4 x 10t

Additional Data

- **Moonpool**
7.90x6.06m near midship at SB
- **Sewage Treatment Unit** (*EVAC*)
Vacuum system, with nil overboard discharge
- **Incinerator** (*Team Tec*)
1x 800,000 kcal/h
- **Yokohama Fenders**
6.50x3.30m



LOCATIONS - OPERATIONS



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

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