

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 (E), ✕ PAS, ✕ 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

Capacities

- Fuel Oil (storage) 2672m³
- Fuel Oil (day tank) 65m³
- Fuel Oil Overflow 109m³
- Fuel Oil Purification 65m³
- Lube Oil 95m³
- Fresh Water 2000m³
- Ballast Water 2346m³
- Sludge Oil 28m³
- Dirty Oil 46m³

- Black/Grey Water 415m³
- Bilge Water 160m³

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

- 2xRadius 1000
(independent operated)
- 2xDGPS Receivers
- 3x Gyro Compass
- 3x Motion Reference Units
- 1xLightweight Tautwire
- 1xHIPAP 500
- 1xGangway (if connected)
- 1xCyscan
- 3xWind 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 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)

Accommodation

- Fully air-conditioned permanent accommodation for up to 408 persons in cabins all with individual bathroom facilities. Including conference room, offices, cinema, gymnasium, recreation rooms, laundry,

internet café as well as a hospital.

- **408 berths in 129 cabins**
 - 5x1 person cabins
 - 16x2 persons cabins
 - 108x4 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** 38x25 persons
- **Lifeboats** 4x102 persons
- **Fast Rescue Boat** 1x6 persons

Gangway

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

Mooring System

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

Additional Data

- **Moonpool**
7.90x6.06m near midship at SB
- **Sewage Treatment Unit** (*EVAC*)
Vacuum system, with nil overboard discharge
- **Incinerator** (*TeamTec*)
1x800,000 kcal/h
- **Yokohama Fenders**
6.50x3.30m



LOCATIONS - OPERATIONS



Our locations around the world mean we're always close to our customers.
We serve all operators, from majors, internationals and NOCs to small independents and contractors —
so let's keep in touch.

Latin America

Mexico

Calle 35 D, Suite 10
Col Malibrán, 24197
Ciudad 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