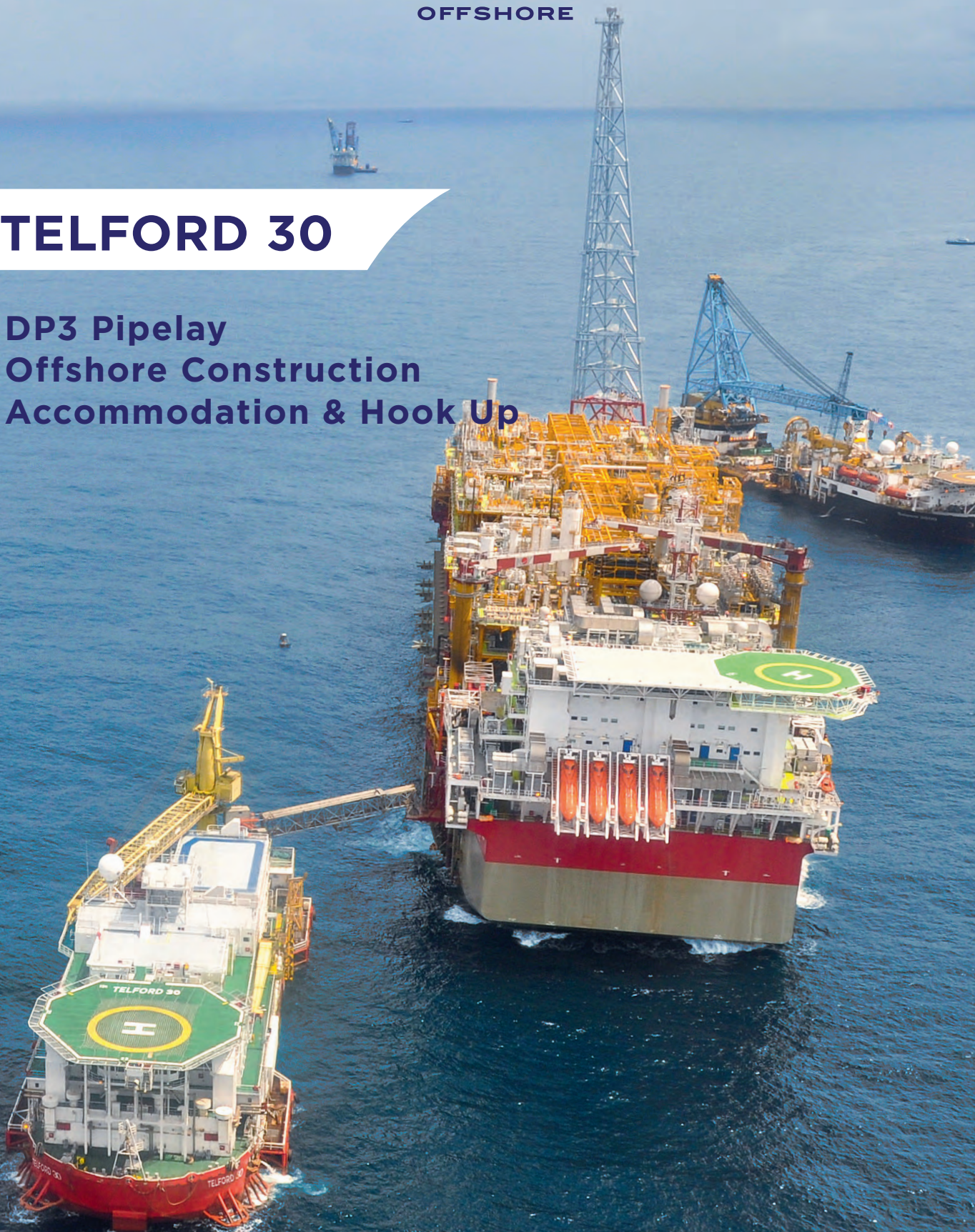


## TELFORD 30

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





# TELFORD 30



Built according to a distinctive hybrid design philosophy, the Telford 30 is a multipurpose DP3 vessel suitable for rigid pipelay, offshore construction and accommodation and hook up activities. The Telford 30 vessel has a large unobstructed main deck, a 270mt crane and large-scale accommodation capacity.

## SPECIFICATIONS

### General

- **Classification** ABS ✕ A1 Barge, ✕ PAS, ✕ DPS-3, CRC
- **Flag** Gibraltar
- **Call Sign** ZDHS6
- **IMO Number** 9420655
- **Delivery** October 2007

### Principal Dimensions

- **Length Overall** 111.00m
- **Breadth** 30.48m
- **Extreme Breadth** 38.00m
- **Depth Main Deck** 6.71m
- **Operational Draft** 4.719m
- **Maximum Draft** 7.719m (Retractable thrusters deployed)
- **Gross Tonnage** 12020t
- **Net Tonnage** 3606t

### Cranage

- **Mast Crane** (*Seatrax*)
  - Main Hoist 270mt @16m
  - Aux. Hoist 27mt @12.2m
- **Pedestal Crane** (*TTS Marine*)
  - Main Hoist 34mt @ 20m  
22mt @ 30m
  - Aux. Hoist (man-riding) 5mt @ 31m

### Clear Deck Area

- Approx. 700m<sup>2</sup>

### Deck Load

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

### Capacities

- **Fuel Oil** (storage) 1995.4m<sup>3</sup>
- **Fuel Day** (day tank) 102.22m<sup>3</sup>
- **Fuel Oil Purification** 64.2m<sup>3</sup>
- **Fuel Oil Settling** 64.2m<sup>3</sup>
- **Lube Oil** (Storage) 54.8m<sup>3</sup>

- **Fresh Water** 3110.6m<sup>3</sup>
- **Ballast Water** 4950.2m<sup>3</sup>
- **Sludge Oil** 40.1m<sup>3</sup>
- **Dirty Oil** 45.4m<sup>3</sup>
- **Black/Grey Water** 470.4m<sup>3</sup>
- **Bilge Water** 160.4m<sup>3</sup>

### Service Air

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

### DP System

- **Kongsberg Simrad SDP 21**  
Aft Working Bridge
- **Kongsberg Simrad SDP 11**  
Fore Navigation Bridge

### DP Reference System

- **1x Radius 1000**  
(independent operated)
- **2x DGPS Receivers**
- **3x Gyro Compass**
- **3x Motion Reference Units**

- **1x Lightweight Tautwire**
- **1x Gangway** (if connected)
- **1x Cyscan + Prisms Clusters**
- **3x Wind Sensors**

### Power Plant

- **Main Generators** (*Caterpillar*)  
3x diesel engines CAT 3516B  
(1 825kW)

### Propulsion

- **Bow Thruster** (*Wartsila*)  
1x electrically driven 1355kW
- **Forward/Aft Thrusters** (*Thrustmaster*)  
4x fixed pitch hinged azimuth hydraulic driven thrusters type OD1500 (1200kW)
- **Center Aft Thruster** (*Wartsila*)  
1x electrically driven retractable fixed pitch thruster (1000kW)





## Endurance

- **Fresh Water**      2x 45m<sup>3</sup>/24hrs  
                                 1x 65m<sup>3</sup>/24hrs
- **Fuel Oil** (typical)
  - Harbor              5m<sup>3</sup>/24hrs
  - Transit              20m<sup>3</sup>/24hrs  
(2 x aft thrusters only)
  - DP                    13m<sup>3</sup>/24hrs

## Helideck

- ABS, CAP 437 7 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)

## Accommodation

- Fully air-conditioned permanent accommodation for up to 296 persons in cabins all with individual bathroom facilities. Including conference room, offices, cinema, gymnasium, recreation rooms, laundry, internet café as well as an hospital.
- **296 berths in 77 cabins**
  - 2x1 person cabins
  - 3x2 persons cabins
  - 72x4 persons cabins

## Radio/Communication

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

## Lifesaving Appliances

- **Liferafts**              24x25 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**  
1x100t Horizontal Tensioner
- **Davits** (OPTIONAL)  
5x60t with load cells
- **Stinger**  
Length 35m, supported by stuts
- **Workstations**  
5 working stations for welding, NDE (X-ray or Ultrasonic), pipe repair and coating
- **A&R system** (*Rolls Royce*)
  - 100t A&R Winch 100t
  - 100t A&R Measuring Sheave

## Mooring System (OPTIONAL)

- **10 point Mooring System** (*PH HYDRAULICS*)
  - 4x110t Single drum winches, hydraulic driven, with 1500m of Ø52mm Steel Wire Rope capacity
  - 4x150t Single drum winches, hydraulic driven with 2000m of Ø63mm Steel Wire Rope capacity

- 2 single drum winches (*Rolls Royce*), hydraulic driven Type 100t, 64mm wire, 1800m in 14 layers
- **Capstan** (*Mentrade*)  
4x10t

## Additional Data

- **Sewage Treatment Unit** (*Hamworthy*)  
1 unit, with nil overboard discharge
- **Incinerator** (*TeamTec*)  
1x800,000kcal/h
- **Yokohama Fenders**  
2 x 6.50x3.30m
- **Fuel Monitoring System**  
(*Royston Engine - I*)





# LOCATIONS - OPERATIONS



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