

# TELFORD 31



Built according to a distinctive hybrid design philosophy, the Telford 31 combines strong offshore construction capability with high accommodation capacity. With 1300m<sup>2</sup> 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.



Accommodation & Hook Up



Offshore Construction



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# SPECIFICATIONS

## GENERAL

<b>Classification</b>	ABS, A1, Barge, Ⓢ, AMS-NP, DPS-3, CRC
<b>Flag</b>	Gibraltar
<b>Call Sign</b>	ZDKB6
<b>IMO Number</b>	8770285
<b>Delivery</b>	February 2011

## PRINCIPAL DIMENSIONS

<b>Length Overall</b>	111.00 m
<b>Breadth</b>	30.48 m
<b>Extreme Breadth</b>	6.71 m
<b>Depth Main Deck</b>	4.78 m
<b>Operating Draft</b>	5.00 m
<b>Maximum Draft</b> <i>(Retractable thruster deployed)</i>	7.45 m
<b>Gross Tonnage</b>	12536 t
<b>Net Tonnage</b>	4356 t

## 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

- 5 x 1 person cabins
- 20 x 2 persons cabins
- 108 x 4 persons cabins

## DP SYSTEM

<b>Kongsberg K-POS 22</b>	Aft Working Bridge
<b>Kongsberg K-POS 12</b>	Fore Navigation Bridge

## POWER PLANT

<b>Main Generators</b> <i>(Caterpillar)</i>	7 x Diesel engines type CAT 3516 B (1825 kW)
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## MAIN DECK

<b>Deck Area</b>	Approx. 1300 m <sup>2</sup>
<b>Deck Load</b>	10 t/m <sup>2</sup>

## GANGWAY

<b>Electric-Hydraulic Telescopic Personnel Transfer Gangway</b> <i>(Uptime/Marine Aluminium)</i>	
<b>Operational length</b>	36.50 m

## CRANAGE

<b>Mast Crane</b> <i>(Huisman Itrec)</i>	
<b>Main Hoist</b> <i>(AHC)</i>	400mt @16m 2 falls 200mt @29m 1 fall
<b>Whip Hoist</b> <i>(man-riding)</i>	40mt @all radii 2 falls 20mt @all radii 1 fall
<b>Pedestal Crane</b> <i>(TTS Marine)</i>	
<b>Main Hoist</b>	34 mt @20 m 22 mt @30 m
<b>Aux. Hoist</b> <i>(man-riding)</i>	5mt @31 m

## PROPULSION

<b>Bow Thruster</b> <i>(Wartsila)</i>	1 x electrically driven 1355kW
<b>Forward/Aft Thruster</b> <i>(HRP)</i>	4 x fixed pitch retractable azimuth thrusters, electrically driven (1600kW)
<b>Center Aft Thruster</b> <i>(Wartsila)</i>	1 x electrically driven retractable fixed pitch thruster (1000kW)

## CARGO CAPACITIES

<b>Dead Weight</b>	5873 t
<b>Fuel Oil</b>	2662.40 m <sup>3</sup>
<b>Lube Oil</b>	138.80 m <sup>3</sup>
<b>Fresh Water</b>	2219.4 m <sup>3</sup>
<b>Ballast Water</b>	2359.60 m <sup>3</sup>

## RADIO/COMMUNICATION

<b>V-Sat Antenna</b> <i>(Intellian V150NX)</i>
<b>GMDSS Areas 1,2 &amp; 3</b>
<b>EPIRB</b>
<b>SART</b>
<b>Integrated Telephone System</b>
<b>Sound Powered Telephone</b>
<b>Public Address System</b>

## DP REFERENCE SYSTEM

<b>2 x Radius 1000</b> <i>(independent operated)</i>
<b>3 x DGPS Receivers</b>
<b>3 x Gyro Compass</b>
<b>3 x Motion Reference Units</b>
<b>1 x Lightweight Tautwire</b>
<b>1 x HIPAP 500</b>
<b>1 x Gangway</b> <i>(if connected)</i>
<b>1 x Cyscan</b>
<b>3 x Wind Sensors</b>

## HELIDECK

<b>ABS, CAP437 9<sup>th</sup> Edition compliant</b> suitable for Sikorsky S-92A Helibus
<b>Max. "D" 22.20m</b>
<b>Max. T.O.W. 13t</b>
<b>Helideck Monitoring System 100</b>
<b>Fixed Foam System</b> <i>(3 monitors)</i>

## ENDURANCE

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

## LIFESAVING APPLIANCES

<b>Liferafts</b>	60 x 25 persons
<b>Lifeboats</b>	4 x 102 persons
<b>Fast Rescue Boat</b>	1 x 6 persons

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