

TELFORD 31



Built according to a distinctive hybrid design philosophy, the 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.



Accommodation & Hook Up



Offshore Construction



Telford Offshore International Ltd,
Jumeirah Business Center 5, 30th Floor, Office 3001, POB 337673,
Cluster W, Jumeirah Lakes Towers, Dubai, United Arab Emirates



+971 4 575 5061



tenders@telfordoffshore.com



www.telfordoffshore.com

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

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

POWER PLANT

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

Deck Area	Approx. 1300 m ²
Deck Load	10 t/m ²

GANGWAY

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

CRANAGE

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

PROPULSION

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

CARGO CAPACITIES

Dead Weight	5873 t
Fuel Oil	2662.40 m ³
Lube Oil	138.80 m ³
Fresh Water	2219.4 m ³
Ballast Water	2359.60 m ³

RADIO/COMMUNICATION

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

DP REFERENCE SYSTEM

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

HELIDECK

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

ENDURANCE

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

LIFESAVING APPLIANCES

Liferafts	60 x 25 persons
Lifeboats	4 x 102 persons
Fast Rescue Boat	1 x 6 persons

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