

TELFORD 34

**DP3 Pipelay
Construction
Accommodation
Hook Up**





Telford 34 (ex Jascon 34) combines advanced pipelay capability with accommodation for up to 335 people according to our hybrid design philosophy. With DP3, a large unobstructed main deck, an 800mt crane, a hydraulic heave compensated telescopic gangway, S-lay pipelay equipment for 4" to 48" diameter pipe and a 55m stinger, she can handle a wide range of projects.

T34 was chosen for accommodation projects in the difficult waters of the Sea of Okhotsk during the summer season at the Exxon-Neftegaz Arkutun Dagi field as well as for ENAP on the PIAM area at the Eastern entrance of the Magellan Strait off Argentina.

As a pipelay vessel she completed an EPCI assignment for the Total Anguille pipeline project, off Gabon. This project included the design, procurement and installation of a 32 km, 18" pipeline between the Torpille and Anguille platforms at depths of 30-40m.

SPECIFICATIONS

General

- **Classification** ABS ✕ A1 Barge (E), ✕ PAS, ✕ DPS-3, CRC
- **Flag** Gibraltar
- **Call sign** ZDJL7
- **IMP number** 8770273
- **Delivery** April 2010

Principal dimensions

- **Lenght overall** 118.80m
- **Breadth** 30.40m
- **Extreme breadth** 36.40m
- **Depth** 8.40m
- **Draft (max)** 4.98m
- **Draft (max)** 8.08m including retr. (3.10m) thrusters
- **Gross tonnage** 14 725t
- **Net tonnage** 4 605t
- **Deadweight** 9 378t (summer)
- **Displacement** 19 291t (summer)

Cranage

- **Main crane (Huisman Itrec)** 800mTon @ 30m over the stern in sheltered waters and revolving at a radius of 26m
- **Whiphoist** 120mTon @ 33.50m 3-fall config. 100mTon @ 35.00m 2-fall config. 50mTon @ 72.00m 2-fall config. Heave compensation in 2 and single fall configuration
- **Auxiliary deck crane** Pedestal type, 34t @ 20m, 22t @ 30m, make TTS

Deck space

- Approx. 525-1350m²

Deck load

- 10 t/m²

Capacities

- **Fuel oil (storage)** 1783m³
- **Fuel day tank (total)** 137m³
- **Fuel overflow** 24m³
- **Fuel purification** 83m³
- **Fuel oil settling tank** 187m³
- **Lube oil** 97m³
- **Fresh water (potable)** 2 667m³
- **Ballast water** 7 130m³
- **Sludge oil** 115m³
- **Dirty oil** 81m³
- **Black/grey water** 524m³
- **Bilge water** 172m³

Service Air

- 2 x DENO Compressors
- 24 m³/min FAD at 6 bar

DP System

- Kongsberg K-POS 22 aft working bridge
- Kongsberg K-POS 12 fwd navigation bridge

DP Reference System

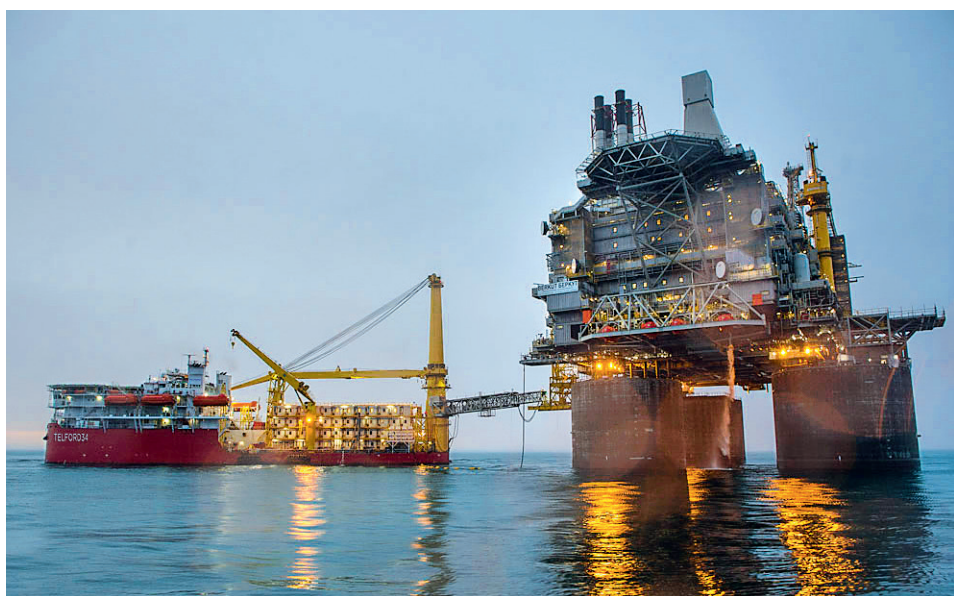
- 2 x Radius 1000 (independent separate) + transponders
- 2 x DGPS receivers
- 3 x Gyro compass
- 3 x Motion reference units
- 2 x Lightweight Tautwire
- 1 x HIPAP 500
- 1 x Gangway (if connected)
- 1 x Cyscan + Prisms clusters
- 3 x Windsensors

Power Plant

- 4 x Caterpillar 3516 B diesel engines (1825kW) each

Propulsion

- **Bow thruster ROLLS ROYCE** 1x electrically driven 1355kW
- **Stern thruster ROLLS ROYCE** 2x FPP azimuth, 1920kW each direct driven diesel
- **Forward/aft thruster ROLLS ROYCE** 4 x FPP retractable azimuth, 1920kW each direct driven diesel





Endurance

- **Freshwater making capacity** 2x50t/24 hrs+1x200t/24 hrs
- **Fuel consumption** (typical)
 - In port 5m³/24hrs
 - Transit (2x aft thrusters only) 20m³/24hrs
 - DP 15m³/24hrs

Helideck

- Suitable for Sikorsky S-92A Helibus
- Maximum "D" Value helideck 22.20 m
- Maximum take-off weight 13t
- Helideck Monitoring System 100 Kongsberg
- Fixed foam system with 3 monitors

Accommodation

- 335 bunks in 100 cabins
 - 5x1 person cabins
 - 25x2 persons cabins
 - 70x4 persons cabins

Fully air-conditioned permanent accommodation for up to 335 bunks in cabins all with individual bathroom facilities. Including conference room, offices, cinema, gymnasium, recreation rooms, laundry, internet café as well as a medic room with hospital.

Radio/Communication

- V-Sat Standard bandwidth 512/256kb
- GMDSS Area 3
- EPIRB

- SART
- Integrated Telephone System
- Sound Powered Telephone
- Public Address System

Livesaving appliances

- **Liferafts** 16 x 25 persons
- **Lifeboats** 4 x 102 persons
2 x 106 persons
- **Fast rescue boat** 1 x 6 persons

Gangway (optional)

- **Max lenght** 42.50m
- **Lenght in mid position** 36.50m
- **Make** Marine Aluminium, Norway

Pipelay equipment (optional)

- **Concept** Starboard mounted single joint S-lay system, make SAS, in dismountable Firing Line shelter
- **Capacity** 4" - 48" diameter pipe (with coating 60")
- **Tensioners** 2x tensioner of 60t each
- **Davits** 5x with load cells, capacity 60t each
- **Stinger length** 55m, supported by A-Frame
- **Workstations** Firing Line 5 welding stations, 1 NDE (X-ray or Ultrasonic) / repair station, 2 coating stations; all stations sheltered
- **A&R system** A&R winch 120t, make SAS

Mooring System

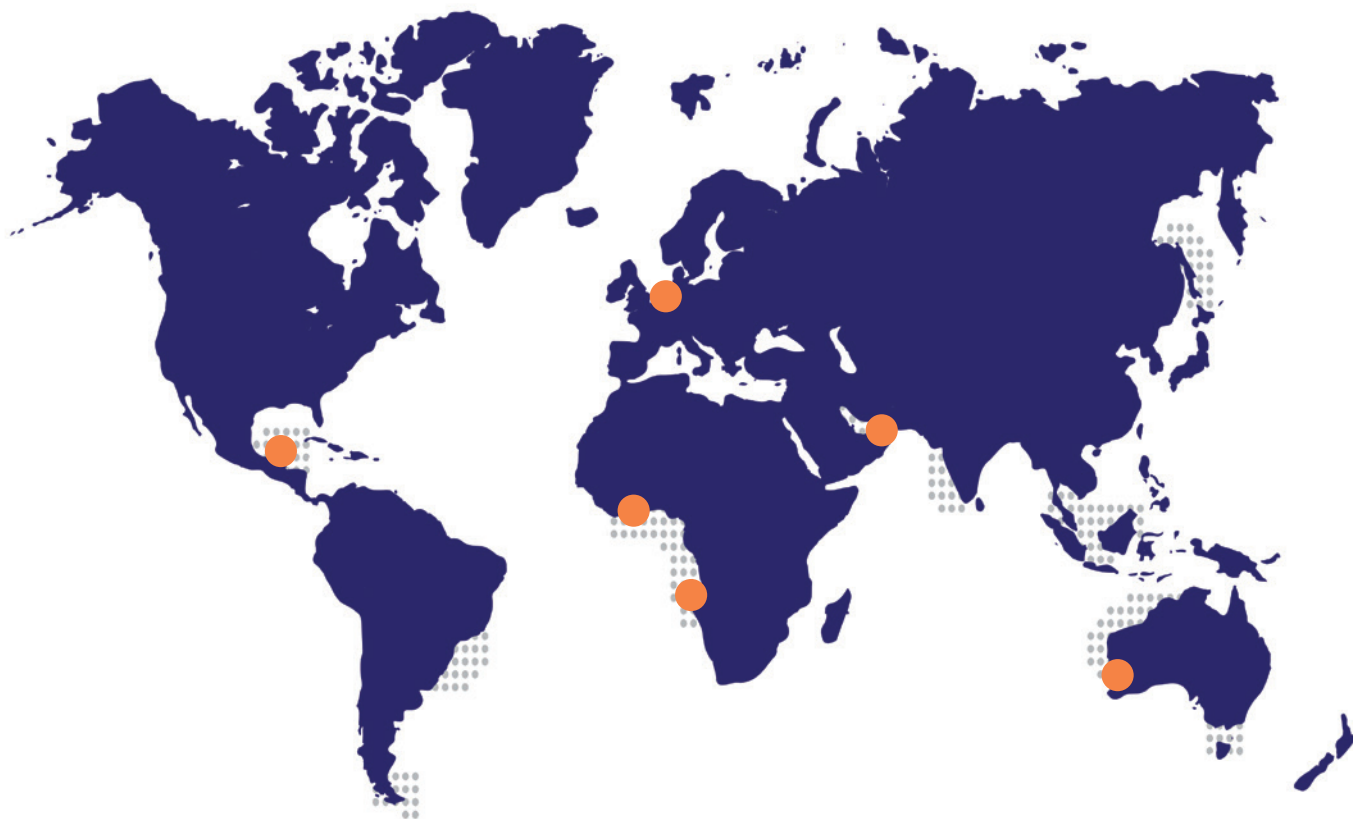
- **Anchor windlasses** 2x electrical windlasses with wrapping heads, chain and anchor
- **Capstans** 4x 10 t, make DMTZ

Additional Data

- **Sewage treatment unit** vacuum system, with nil overboard discharge, make EVAC
- **Incinerator** 800,000 kcal / hrs, make Teamtec
- **Yokohama fenders** 6.50x3.30 m
- **Moon pool** 7.90x7.20 m near midship at port side, between frame 48 and 60



LOCATIONS - OPERATIONS



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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 Malibran, 24197
Cuidad 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

PMB CT 68
Cantonments
Accra
Ghana
Tel: +233 203 654 079
+233 544 312 460

Middle East

UAE - Dubai Headquarters

Telford Offshore Ltd
Reef Tower, Floor 31
P.O. Box 5003365
Jumeirah Lakes Towers
Dubai, United Arab Emirates
Tel: +971 4 350 7600

Asia-Pacific

Australia

77 St Georges Terrace, Level 24
Perth WA 6000
Australia
Tel: +61 8 9218 5888

contact@telfordoffshore.com

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