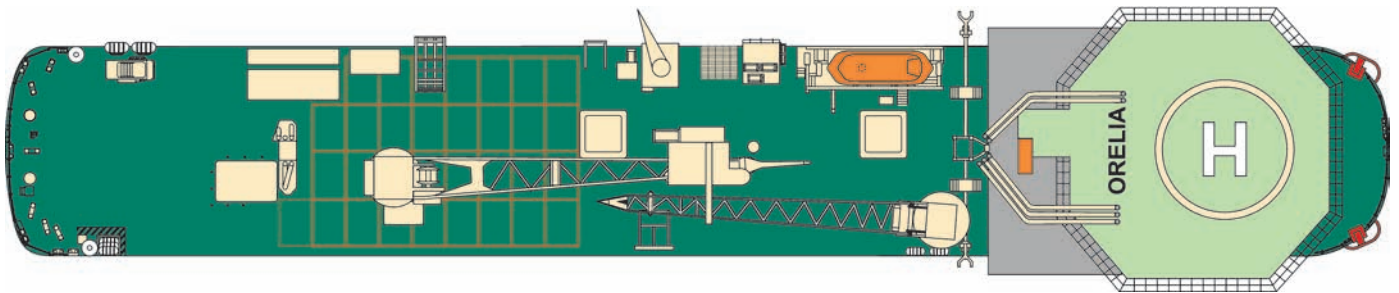
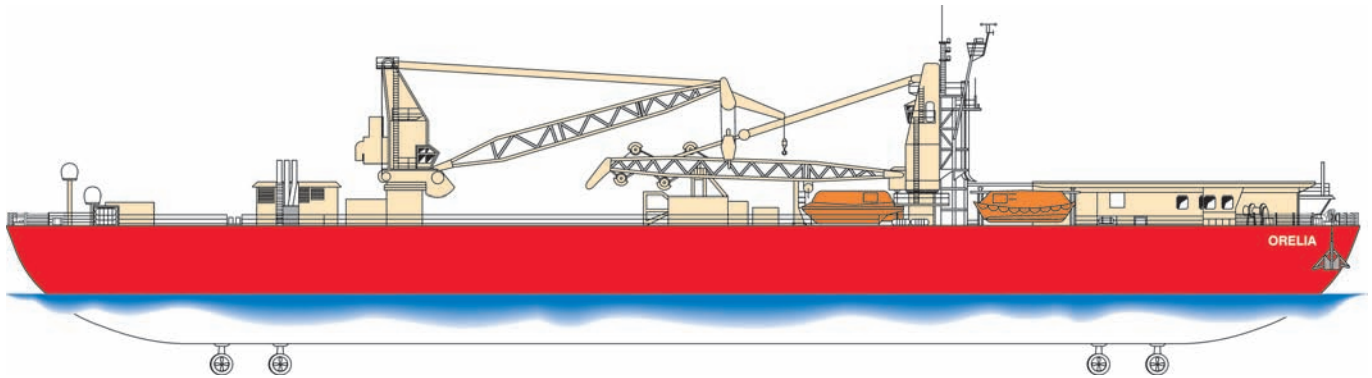


Orelia



Orelia



The Orelia is a unique diving support vessel with exceptionally low roll characteristics and low profile, which allow efficient operation in most weather and seastate conditions.

CAPABILITIES

The vessel is arranged for continuous and simultaneous operation of two 3-man bells. There is an exceptionally large work deck, which makes the Orelia readily adaptable for a wide range of subsea activities.

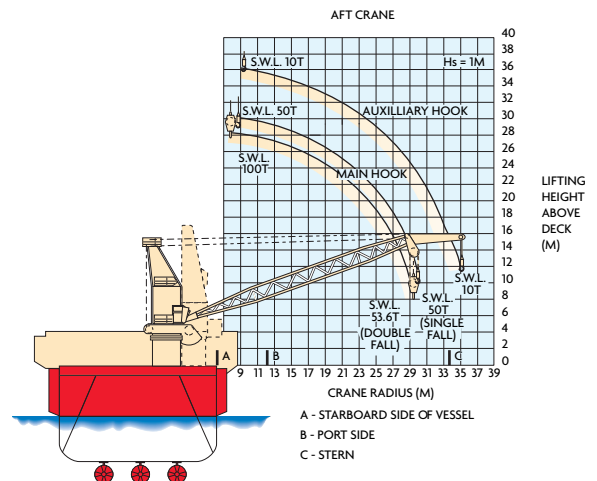
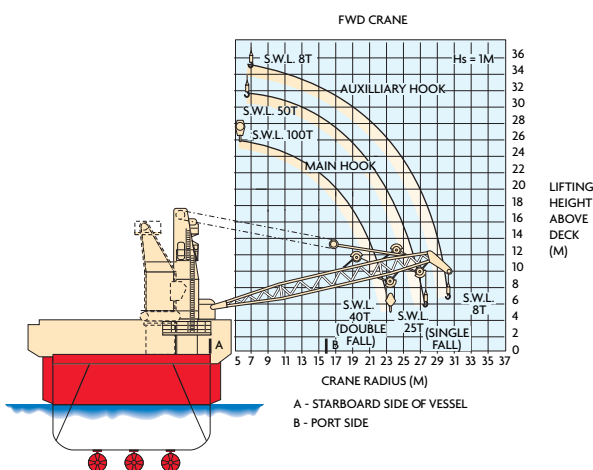
resulting in unique motion characteristics, comparable in roll to a semi-submersible. The Orelia has achieved diving operations in significant wave heights of four metres.

Hull-motion characteristics

The vessel is a monohull of unconventional shape with double bottom ballast tank arrangement

Diving system

The Orelia is fitted with a twin bell saturation diving system, capable of supporting a total of 18 divers at five separate depth levels. The system, which is designed for 450 msw (but



SPECIFICATIONS

Principal dimensions

Length overall	126 m
Length between pp	114.14 m
Breadth moulded	19.00 m
Depth moulded	11.25 m

Operating draft 6.7 m - 7.7 m
(depending on loading conditions)

Displacement 9,232 te
at 7.7 m draft

Gross tonnage 7,260 te

Craneage

Main lifting facility

- 1 x Pedestal crane aft
100/50 te at 15/30.6 m radius
Max wire length 450 m
Max op. wire depth 100 te
at 164 m
50 te at 360 m
Whip line 10 te at 36 m radius
Max wire length 320 m (255 m)
- 1 x Pedestal crane forward
100/50 te at 12/20 m radius,
100/200 m wire length

Additional lifting facilities

- 1 x Telescopic articulated crane
4.15 te at 2.6 m to 14.88 m

radius
Deck space
Main deck 1,800 m²

Deck load
■ 5 te/m² locally strengthened
to 10 te/m²
■ Max overall load 1,750 te at 1 m
above the deck

Capacities
■ Fuel oil 758 m³
■ Fresh water 578 m³
■ Ballast water 2,524 m³

Service air
44.6 m³/min FAD, 8.5 bar pressure

DP system
Kongsberg K-Pos

Reference systems
■ Kongsberg HiPAP
■ Simrad 410 hydroacoustic
■ 2 x GEC taut wires
■ 2 x DGPS
■ 1 x Fan beam system

Power plant
■ 6 x Mirrless Blackstone (906
kW) (for Azimuth propulsion)
■ 4 x Mirrless Blackstone (650
kW) (auxiliary power
generation)

■ Total power production
8,036 kW
Propulsion
Forward
3 x Azimuth thrusters
906 kW each

Aft
3 x Azimuth thrusters
906 kW each

Bollard pull 70 te

Endurance
■ FW making capacity 50 te/24
hrs
■ Fuel consumption (typical)
- In port 5 te/24 hrs
- Transit 17 to 24 te/24 hrs
- DP 6 to 10 te/24 hrs

Service speed 10 knots

Helideck D-Value 22.2 m
Supa Puma EC225 (12 te)

Accommodation
(excl. Sat chamber)
99 people in 62 cabins

Lifesaving appliances
■ Lifeboats (TEMPSC type)

2 x 100 persons
■ Lifeboat (SPHL Type)
18 x divers + 4 x crew
■ Life rafts 12 x 20 persons
Diving system
■ Depth cert./design 350/450 m
■ No. in sat. 18
■ No. of bells 2
■ Bell volume 6.3 m³ each
■ System volume 123 m³
■ Gas storage 20,000 m³ (STP)
at 200 bar
■ Reclaim system fitted to both
chambers and bells

Flag Marshall Islands

Call sign V7GY7

Classification
■ Vessel: Lloyds +100A1, LA,
DP(AA), LMC, UMS
■ DnV: SBM, ISM
■ Dive System:
Lloyds +100A1, 350 m



currently certified to 350 msw), comprises one triple lock, one double lock, one single lock and two transfer chambers. The two 3-man diving bells, which are deployed through two separate moonpools, spaced 25 m apart, are heave compensated to further enhance the system's performance.

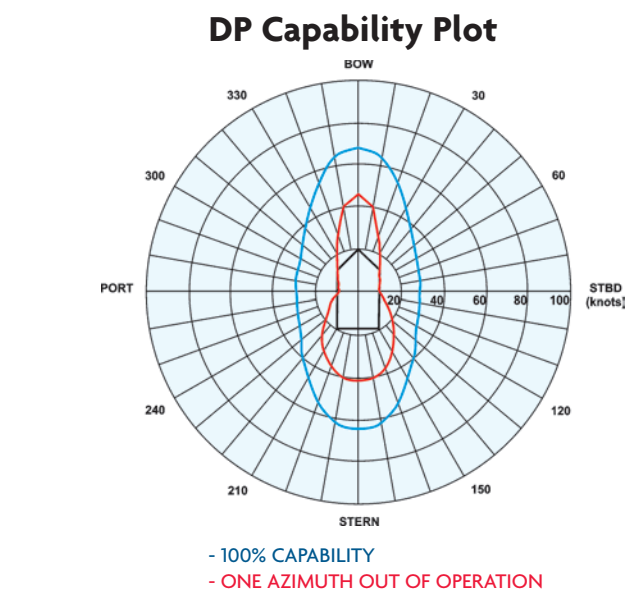
Working areas

The main deck has an exceptionally large, flat working area of 1800 m². The steel deck plating is designed for a mean loading of 5 te/m² but its cellular construction allows very high local loads to be accommodated. The location of deck outlets for

hydraulic and electrical power, compressed air, communications, oxygen, acetylene and welding facilities have been given special attention. The vessel also has extensive workshop and work area facilities.

Craneage

The vessel is fitted with two Liebherr electrohydraulic cranes with centres spaced 49.5 m apart. The aft crane has a 100 te double fall lifting capacity down to 164 m or a 50 te single fall capacity down to 360 m. It is also equipped with a 10 te whip line. The forward crane has a 100 te double fall lift to 65 m or a 50 te single fall lift to 154 m. Spool pieces and risers



up to 100 m in length have been handled by the two cranes operating in tandem mode.

Machinery/propulsion

Three direct drive thrusters and two generating sets are situated in both the forward and aft engine rooms for optimum redundancy.

Dynamic positioning system

The Orelia is equipped with a Kongsberg K-Pos, fully redundant dual

dynamic positioning system. The system accepts simultaneous position references from 2 taut wires, satellite positioning (DGPS x 2), a Simrad HPR hydroacoustic system, a Kongsberg HPR/HiPAP hydroacoustic system and laser fan beam.

Technip is a world leader in the fields of project management, engineering and construction for the oil & gas industry, offering a comprehensive portfolio of innovative solutions and technologies.

With 23,000 employees around the world, integrated capabilities and proven expertise in underwater infrastructures (Subsea), offshore facilities (Offshore) and large processing units and plants on land (Onshore), Technip is a key contributor to the development of sustainable solutions for the energy challenges of the 21st century.

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The Technip share is listed on Euronext Paris exchange and over the counter (OTC) in the USA.

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