

Aethra

Trenching Support Vessel

Features

- DP 2
- SPS Certified
- 150T Offshore Crane
- 100T Wide-angle A-Frame
- ROV Hangar with Moonpool





Aethra

The **Aethra** is a DP-2 Trenching Support Vessel built for worldwide operations, specially designed and outfitted for supporting a variety of subsea trenching vehicles. She is also well equipped for cable laying and repairs, as well as for diving, ROV, Survey and IMR work.

She is fitted with an ROV Hangar for 2 WROVs, a moon pool, a 100T A-Frame, and a 150T offshore crane, with light-load heave compensation (up to 30T) and an auxiliary whip hoist for 15T.

She was built in Norway in 1999 as the Polar Prince and was acquired by her current owners in June 2015. In September 2015, her DP system was upgraded by Kongsberg Maritime to the latest KPos-21 (with C-Joy) and she was certified under the Special Purpose Ships Safety Code (SPS Code) for up to 50 Special Persons, beyond marine crew.

She holds an extensive track record on a variety of diverse subsea construction projects, and she is well known in the market as a reliable and robust unit, capable of handling harsh environmental conditions.



General information

IMO Number	9181481
Classification	ABS A1, AMS, HELIDK, ACCU, DPS-2, NBLES
Flag	Greece
Built	Norway, 1999
Length Overall	94.10m
Length BP	80.40m
Breadth moulded	22.00m
Depth (Main Deck)	9.65m
Draught (Max.)	7.10m
Gross Tonnage	7,082
Deadweight	4,585T



Power & Propulsion

Main Engines	2 x MaK 9M32, each 4,320kW
Propulsion	2 x KaMeWa CPPs in Kort Nozzles
Shaft Generators	2 x 3,375kVA
Aux. Generators	2 x MaK 8M25, each 2,750kVA
Em'cy Generator	Caterpillar 3306,190kVA
Bow Thrusters	1 x Tunnel, 800kW 1 x Tunnel, 1,125kW 1 x Azimuthing, 1,500kW
Stern Thrusters	1 x Tunnel, 800kW 1 x Azimuthing, 800kW

Performance

Bollard Pull	150MT
Max Speed	abt. 13.0kn
Consumption on Max Speed	abt. 25T/D
Economic Speed	abt. 11.0kn
Consumption on Econ. Speed	abt. 18T/D
Port Consumption	abt. 3.0T/D



D.P. System

Maker	Kongsberg Maritime
Type	KPos 21 with C-Joy (DP-2)
ABS SKP No.	(99, 99, 99, 97, 1.5, North Sea)
Sensors	2 x Gyro Compass 1 x FOG KM MGC R3 1 x Kongsberg SeaPath 330 2 x MRU 5 3 x Wind Sensors
Position Reference Units	4 x DGPS with Sat. Corrections 2 x Kongsberg HiPAP-501 1 x MDL Laser Fanbeam 1 x Kongsberg RADius 1000 1 x LTWS Bandak MK12

Survey Systems

EIVA NaviSuite	1 x NaviPac , NaviScan online 1 x NaviModel , NaviEdit 6 x NaviPac Remote Stations
Time	1 x ATTU (Accurate Time Tagging) 1 x PPS Distributor
Network	2 x Moxa Nports Fiber Optics , Lan & Serial connections through all Stations



Deck Facilities

Main Deck Area	abt. 1,000m ²
Deck Strength	10MT/m ²
Max. Deck Load	abt. 1,500MT
Stern Roller	SWL 100MT
Bulwarks	Removable (port side)
Deck/ROV Workshop	1 off
Electrical Workshop	1 off
CCTV System	Full coverage of deck areas with surveillance & recording stations



Tank Capacities

Fuel (MGO)	abt. 3,500MT
Fresh Water	abt. 276MT (Production 50T/D)
Ballast Water	abt. 2,500MT



Lifting Appliances

Offshore Crane	KENZ Fixed Boom Crane with SWL 150 MT (Double fall) / SWL 75MT (Single Fall) for 2,000 mWD with L.L. Heave Compensation at SWL 30MT
Auxiliary Cranes	1 x TTS-Norlift ROV Crane with SWL 5MT @ 10m
A-Frames	1 x Hydralift, Provision Crane with SWL 2MT @ 9m 1 x AKTRO, SWL 100MT 1 x CALLEY, SWL 50MT



Personnel Transfer Systems

Boat Landing	Removable type
Helideck	10t M.T.O.W (Super Puma)



ROV Arrangements

ROV Hangar	abt. 240m ²
ROV Moonpool	4.9m x 5.2m (In hangar)
ROV Side Doors	Port side, 3.3m (W) x 8.9m (H)
ROV Workshop	1 off
Control rooms	Vessel-integrated

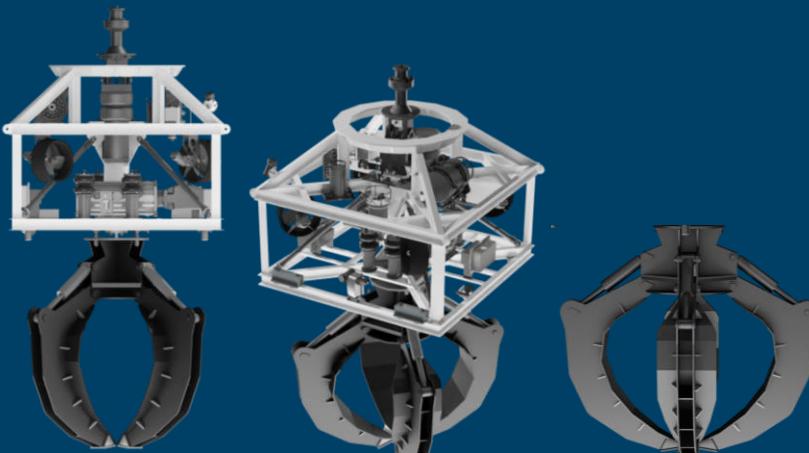
ROV Installed

Number	1
Owner / Operator	Asso.subsea Ltd.
Position	Hangar – port side
Launching method	Over side
Type / Class	Work-Class
Maker / Model	SMD Atom
Power	100hp
Depth Rating	3,000m
Special Tooling	tba



Boulder Removal Tool

Number	1
Owner/Operator	Asso.subsea Ltd.
Position	Hangar, Centre
Launching Method	Through moonpool, AHC winch
Control	Remotely Operated w/ thrusters
Power	200hp
Depth rating	3,000m
Max capacity heaped	~2.3m ³
Grab type	5-tine, hydraulic



Accommodation

Total POB	87
SPS Status	Certified for 50 special persons
Cabins	6 x Suites 11 x Single Cabins 8 x Double Cabins 15 x Quad Cabins
Dedicated smokers' lounge	
Mess Room	
3 x Saloons incl. one dedicated for Client use	
6 x Offices	
Conference Room	
Hospital	
Gymnasium with solarium and sauna	
Changing / Washing Room	
Duty Mess / Smokers' Room	
Helicopter briefing room / lobby	



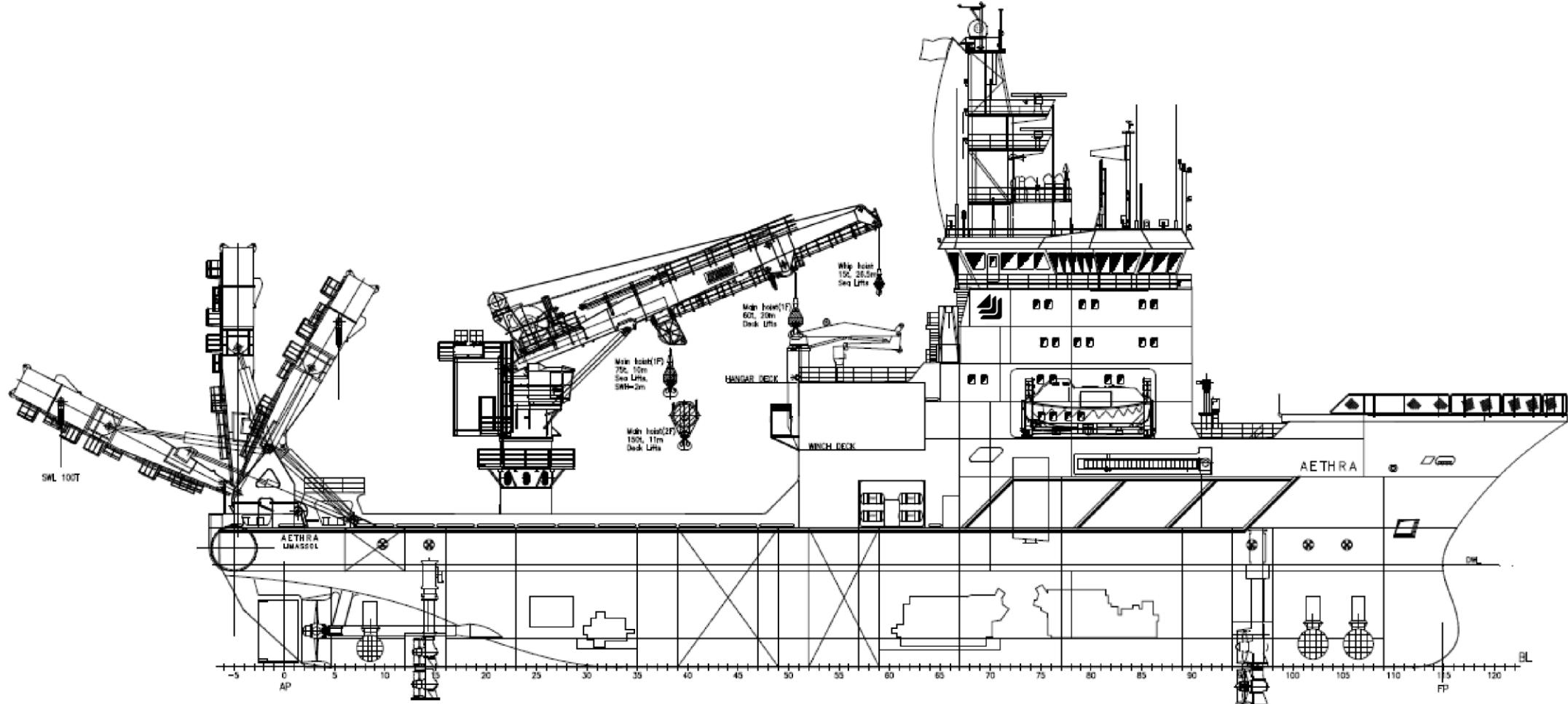
Communications

FBB500 Satellite Telephone	
2 x Ku Band V-Sat System	
2 x TV Satellite Antenna Systems	
GMDSS Plant as required for A3 Area	



Life Saving Arrangements

Fast Rescue Craft	1 off, starboard side
Life Boats	1 x 70 persons, port side
Life Rafts	4 x 25 person, throw-overboard type 6 x 25 person, launchable type
Other LSA	As required by the SOLAS Convention





Name “Aethra”

The Aethra (/iθra/; in Greek: Αἴθρα) is named after the mythological princess, daughter of King Pittheus of Troezen, who according to Greek mythology gave birth to Theseus (fathered by King Aegeus of Athens). Etymologically, the name Aethra means “clear/bright sky”.



Contact Information

Asso.subsea

Greece

1 Alieftikis Str., Elefsis 19200,
Greece

Contact

T (Direct) : (+30) 211.888.5100 T (Main) : (+30) 211.888.5180
E. central@assogroup.com

www.assogroup.com

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Disclaimer

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