

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 has been 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	94.10 m
Length BP	80.40 m
Breadth Moulded	22.00 m
Depth (Main Deck)	9.65 m
Draught (Max.)	7.10 m
Gross Tonnage	7,082
Deadweight	4,585 T



Power & Propulsion

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

Performance

Bollard Pull	150 MT
Max Speed	abt. 13.0 kn
Consumption on Max Speed	abt. 25 T/D
Economic Speed	abt. 11.0 kn
Consumption on Econ. Speed	abt. 18 T/D
Port Consumption	abt. 3.0 T/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. 1,000 m ²
Deck Strength	10MT/m ²
Max. Deck Load	abt. 1,500 MT
Stern Roller	SWL 100 MT
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. 3,500 MT
Fresh Water	abt. 276 MT (Production 50 T/D)
Ballast Water	abt. 2,500 MT



Lifting Appliances

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



Personnel Transfer Systems

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



ROV Arrangements

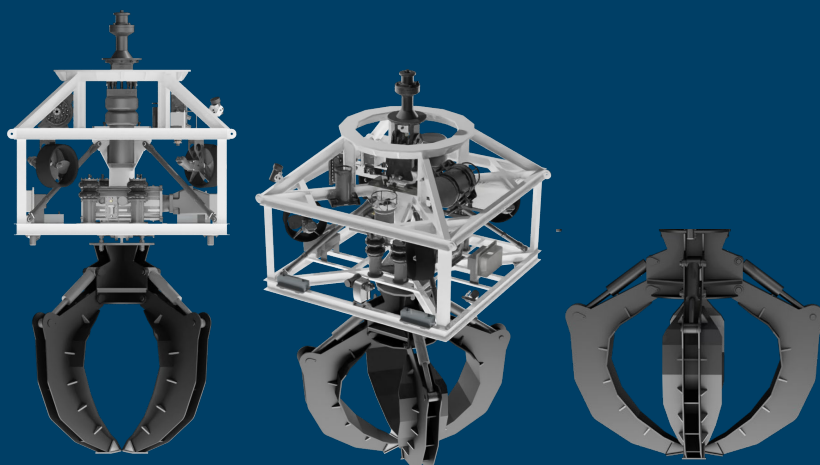
ROV Hangar	abt. 240 m ²
ROV Moonpool	4.9m x 5.2 m (In hangar)
ROV Side Doors	Port side, 3.3m (W) x 8.9m (H)
ROV Workshop	1 off
Control rooms	Vessel-integrated

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	3,000 m
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	200 hp
Depth rating	3,000m
Max capacity heaped	~2.3 m ³
Grab type	5-tine, hydraulic



Accomodation

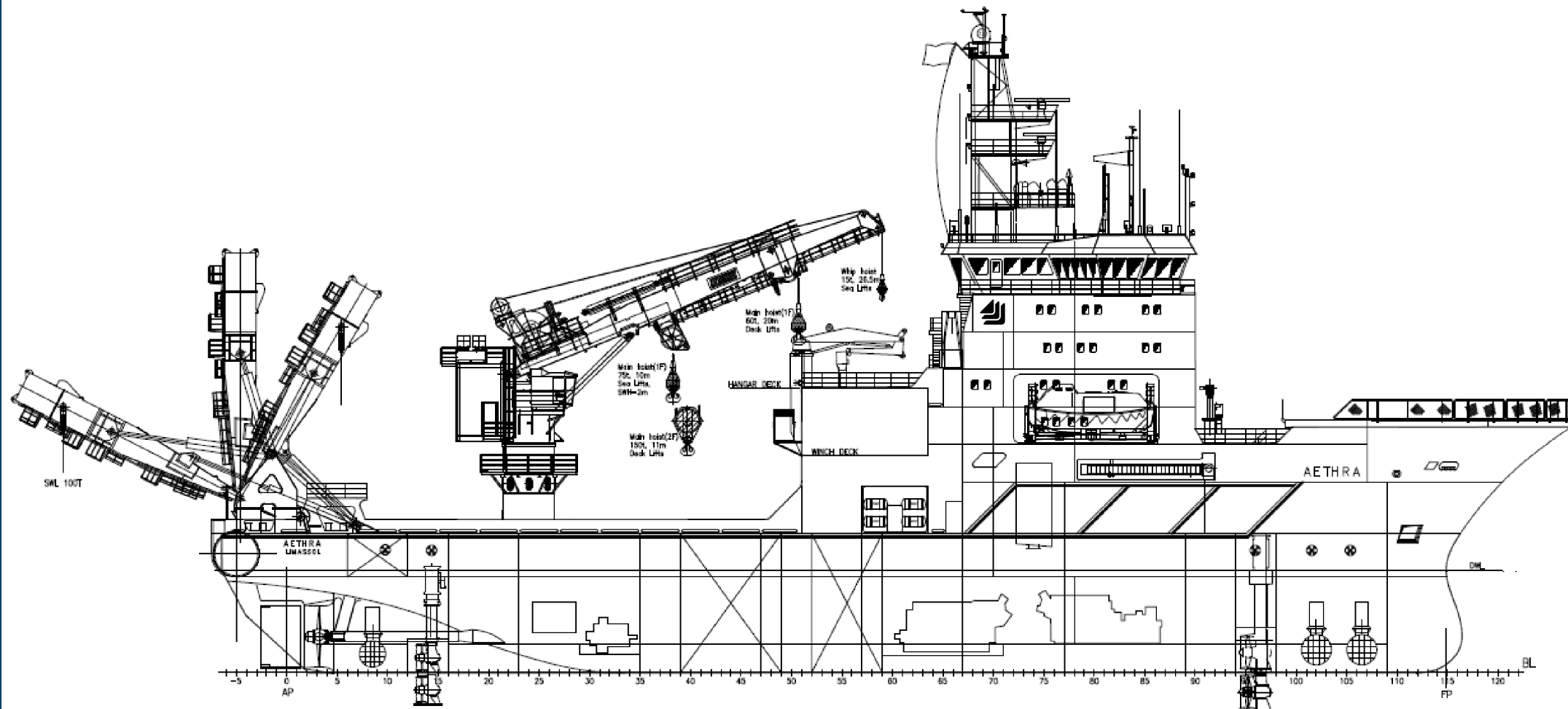
Total POB	87
SPS Status	Certified for 50 special persons
Cabins	6 x Suites 11 x Single Cabins 8 x Double Cabins 15 x Quad Cabins
Dedicated smoker's lounge	
Mess Room	
3 x Saloons incl. one dedicated for Client use	
6 x Offices	
Conference Room	
Hospital	
Gymnasium with solarium and sauna	
Changing / 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 ([/ˈiːθrə/](#); 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

Membership - Accreditations



Disclaimer

The specification details are illustrative for marketing purposes only. Actual equipment may be different as a result of product improvement or other reasons. Specific interface and performance information should be reconfirmed at time of order placement. Specifications are subject to change without any prior notification.

