

Astrea

Multipurpose Support Vessel

Features

- DP 2
- SPS Certified
- 55T Wide-angle A-Frame
- Low fuel consumption
- Shallow draft operation





Astrea

The **Astrea** is a DP-2 Multipurpose Support Vessel built for worldwide operations and specially designed for cable laying, protection and repairs as well as for ROV work and surveys. She is fitted with twin CP propellers, twin split rudders, bow and stern thrusters linked to a Kongsberg DP-2 system, which give her an excellent station keeping capability.

Originally built in Norway in 1987 as a PSV, and fully refitted/renovated in Greece in 2008 under the highest DNV Class and Greek Flag Standards, she is now classed with ABS as a Special Purpose Vessel fully complying with the SPS Safety Code.

Her thruster and propulsion arrangements allow for full DP-2 operations with no protrusions below the keel, allowing her to approach relatively shallow waters.

She holds an extensive track record, on a variety of diverse projects ranging from cable laying and protection to FPSO installation works, and is being constantly kept up to date with new equipment and careful maintenance to ensure zero down-time and highest possible performance on her employments.

General information

IMO Number	8520771
Classification	ABS A1, AMS, ACCU, TCM, DPS-2
Flag	Greece
Built	Norway, 1987
Length Overall	71.30 m
Length BP	65.50 m
Breadth Moulded	17.50 m
Depth (Main Deck)	7.30 m
Draught (Max.)	6.10 m
Gross Tonnage	2,592
Deadweight	2,851 T



Power & Propulsion

Main Engines	2 x Wartsila 6R32, each 3,060 BHP
Propulsion	2 x Liaaen CPP 4-Blade Propellers
Shaft Generators	2 x 2,100 kVA
Aux. Generators	2 x Caterpillar C-18, each 430 kVA 1 x Volvo D12D-AMG, 440 kVA
Em'cy Generator	Mercedes OM-407, 183 kVA
Bow Thrusters	2 x Tunnel, each 800 HP
Stern Thrusters	2 x Tunnel, each 800 HP

Performance

Max Speed	abt. 13.0 kn
Consumption on Max Speed	abt. 18~20 T/D
Economic Speed	abt. 11.0 kn
Consumption on Econ. Speed	abt. 12~14 T/D
Port Consumption	abt. 1.0 T/D



D.P. System

Maker	Kongsberg Maritime
Type	KPos 21 with C-Joy (DP-2)
ABS SKP No.	(99,98,89,64,1.5,North Sea)
Sensors	1 x Seapath 380, 3 x Gyro Compass, 4 x MRU 3 x Wind Sensors 1 x MBES Kongsberg EM 2040
Position Reference Units	3 x DGPS with Sat. Corrections 1 x Kongsberg HiPAP-500 1 x MDL Laser Fanbeam



Communications

FBB250 Sat Phone
Ku Band V-Sat System
TV Satellite Antenna System
GMDSS Plant as required for A3 Area



Deck Capacities

Main Deck Area	abt. 500 m ²
Deck Strength	8 MT/m ²
Max. Deck Load	abt. 1,500 MT
Mezzanine Deck	abt. 80 m ²
Bulwarks	Open stern
Deck Workshop	1 off
Electrical Workshop	1 off
Boat Landing	Removable type



Tank Capacities

Fuel (MGO)	abt. 800 MT
Fresh Water	abt. 400 MT (Production 17 T/D)
Ballast Water	abt. 1,690 MT



Personnel Transfer Systems

Boat Landing	Removable type
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Lifting Appliances

Main Crane	Sormec Telescopic Boom Crane with SWL 20 MT @ 11.5m, and SWL 6.8 MT @ 25m
Auxiliary Crane	Sormec Telescopic Boom Crane with SWL 17.5 MT @ 8m, and SWL 4 MT @ 21m
A-Frame	Wide angle type with SWL 55 MT



Accommodation

Total POB	55
SPS Status	Certified
Cabins	2 x Suites, 9 x Single Cabins, 22 x Double Cabins
Mess Room	
2 x Saloons	
2 x Offices	
Hospital	
Gymnasium	
Changing / Washing Room	
Duty Mess / Smokers Room	



ROV Installed

Owner / Operator	Asso.subsea Ltd.
Position	Mezzanine Deck
Type / Class	Work class
Maker / Model	SMD Quasar
Power	150hp

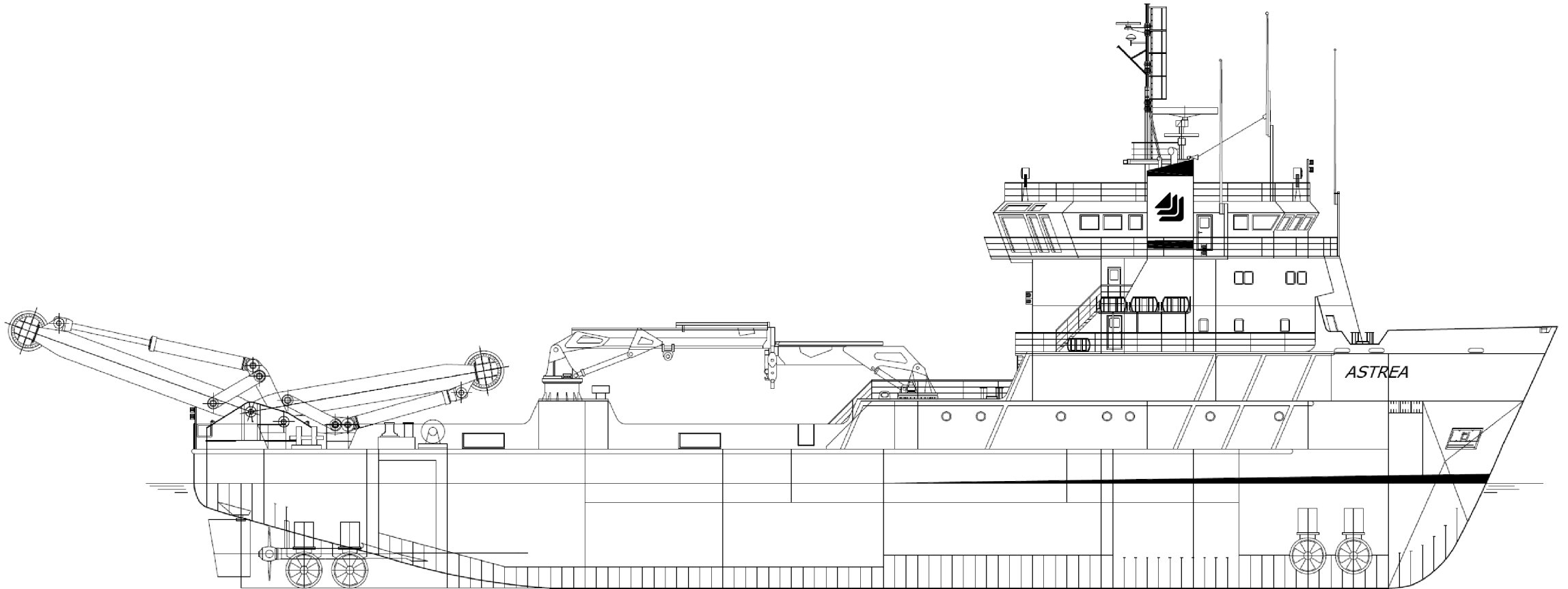


Life Saving Arrangements

Rescue Craft	1 x 22 person MOB boat, port side
Life Rafts	6 x 25 person, throw-overboard type 2 x 15 person, throw-overboard type
Other LSA	As required by the SOLAS Convention

Survey Systems

EIVA NaviSuite	1 x NaviPac online, 1 x NaviScan, 1 x NaviEdit & NaviModel 2 x NaviPac Remote Stations
Network	Survey Network, Lan & Serial connections through all Stations





Name “Astrea”

The Astrea (/æˈstriːə/; in Greek: Αστρέα) is named after the Greek mythological virgin goddess of justice, innocence, purity and precision, and was the daughter of Astraeus and Eos. Etymologically the name Astrea means “star-maiden” and “starry night”



Contact Information

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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.

