

# 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 downtime and the 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	71.30m
Length BP	65.50m
Breadth Moulded	17.50m
Depth (Main Deck)	7.30m
Draught (Max.)	6.10m
Gross Tonnage	2,592
Deadweight	2,851T



## Power & Propulsion

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

## Performance

Max Speed	abt. 13.0kn
Consumption on Max Speed	abt. 18~20T/D
Economic Speed	abt. 11.0kn
Consumption on Econ. Speed	abt. 12~14T/D
Port Consumption	abt. 1.0T/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. 500m <sup>2</sup>
Deck Strength	8 MT/m <sup>2</sup>
Max. Deck Load	abt. 1,500MT
Mezzanine Deck	abt. 80m <sup>2</sup>
Bulwarks	Open stern
Deck Workshop	1 off
Electrical Workshop	1 off
Boat Landing	Removable type



## Tank Capacities

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



## Personnel Transfer Systems

Boat Landing	Removable type
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## Lifting Appliances

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



## 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

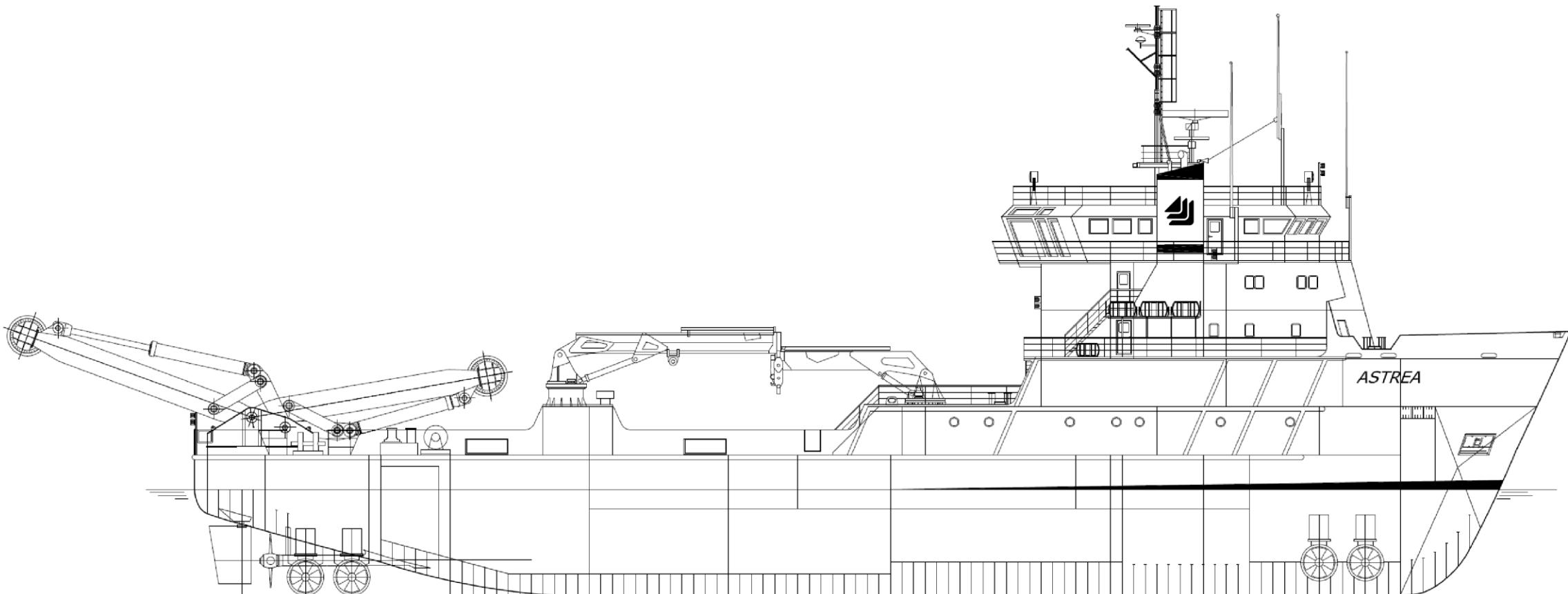


## Life Saving Arrangements

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 (/æ'striːə/; 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 “starmaiden” 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.

