

Ariadne

Cable Laying Vessel

Features

- DP 3
- 1 x 5,000MT Cable Carousel – above deck
- 1 x 1,500MT Cable Carousel – below deck
- Work Class ROV
- High sea state capability





Ariadne

The **Ariadne** is a DP-3 Cable Laying Vessel built for worldwide subsea operations, specially designed for OWF inter-array and export cable installation, interconnector cable installation and cable protection.

She is an Ulstein SX-121 design, originally built in Norway in 2009 as the Viking Poseidon and was acquired by her current owners in March 2017. Upon delivery her class was transferred from DnV-GL to ABS in line with company policy.

The vessel has been built to the requirements of DnV-GL Comfort Class (C-3, V-3) and she can accommodate a total of 106 persons in the highest level of comfort.

The vessel has completed her 2nd conversion stage, emerging with a complete and permanent cable laying spread consisting of a 5000 MT carousel on deck, a 1,500 MT below deck carousel (with a combined capacity of max. 6,500 MT), two firing lines with one cable tensioner each, conforming to a cable MBR of 4m and a bight quadrant deployment system. The vessel is also fitted with a Work-class ROV.

The next conversion stage will see her with a 4,000 MT carousel below deck (instead of the 1,500MT one) and compliant with the SPS2008 Code.





General information

| | |
|-----------------|---|
| IMO Number | 9413535 |
| Classification | ABS A1, AMS, HELIDK, ACCU, DPS-3, NBLES, ENVIRO, CRC(I), POT, HAB(WB) |
| Flag | Greece |
| Built | Norway, 2009 |
| Length Overall | 130.00m |
| Length BP | 122.10 m |
| Breadth Moulded | 25.00 m |
| Breadth Extreme | 27.30 m |
| Draught (Max.) | 7.80 m |
| Gross Tonnage | Abt. 12,000 (TBC) |
| Deadweight | Abt. 10,000 t (TBC) |



Power & Propulsion

| | |
|-----------------|---|
| Main Generators | 4 x MaK9M25, each 2,850 kW 2 x MaK9M20C, each 1,530 kW |
| Emergency Gen. | Scania DI1262M |
| Main Propulsion | 2 x AZP120CP, each 3,500 kW |
| Bow Thrusters | 2 x Tunnel, each 1,800kW 1 x Azimuthing 1,500 kW |
| Stern Thrusters | 1 x Azimuthing 1,800 kW |

Performance

| | |
|----------------------------|--------------|
| Max Speed | abt. 14.5 kn |
| Consumption on Max Speed | abt. 35 T/D |
| Economic Speed | abt. 11.0 kn |
| Consumption on Econ. Speed | abt. 25 T/D |
| Port Consumption | abt. 3 T/D |



D.P. System

| | |
|--------------------------|---|
| Maker | Kongsberg Maritime |
| Type | KPos 21 & 11 with C-Joy (DP-3) |
| ERN Number | 99,99,99 |
| Sensors | 3 x Gyro Compass 1 x FOG KM MGC R3 1 x Kongsberg Seapath 380 2 x MRU 5 3 x Wind Sensors |
| Position Reference Units | 3 x DGPS with Sat. Corrections 2 x Kongsberg HiPAP-501 1 x MDL Laser Fanbeam |

Survey Systems

| | |
|----------------|--|
| EIVA NaviSuite | 1 x NaviPac, NaviScan online 1 x NaviModel, NaviEdit 5 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 |



Cable Handling

| | |
|-----------------------------|---|
| Turntables | 1 x 5,000 MT (26 m OD / min 5 m ID) 1 x 1,500 MT (16 m OD /min 5 m ID) |
| Cable Tensioners | 2 x 15T LCE |
| Cable Chutes | 2 x 4 m MBR |
| Cableways Radius | 5 m all over |
| Bight deployment | 5 m MBR Quadrant c/w deployment system |
| Cable Touch Down Monitoring | OASYS System |



Tank Capacities

| | |
|---------------|---------------------------------|
| Fuel (MGO) | abt. 2,850 MT |
| Fresh Water | abt. 990 MT (Production 55 T/D) |
| Ballast Water | abt. 7,900 MT |



Lifting Appliances

| | |
|------------------|---|
| Offshore Crane | MacGregor, Knuckle-Boom SWL 250 MT @ 9m for 600 m WD with AHC and CT. Whip Hoist 25 MT @35m with AHC, CT and Man Riding. |
| Auxiliary Cranes | 1 x Heila, Knuckle-Boom with SWL 15 MT @ 20 m 1 x Palfinger, Knuckle-Boom with SWL 5 MT @ 16 m |
| Provision Cranes | 2 x Heila, Folding Boom with SWL 1.55 MT @ 14.8 m |



Personnel Transfer Systems

| | |
|--------------|----------------|
| Boat Landing | Removable type |
| Helideck | 14t M.T.O.W |



ROV Arrangements

| | |
|----------------|---------------------------|
| ROV Hangar | abt. 175 m² for 2 x WROVs |
| ROV Moonpool | 4.9 m x 4.9 m (in hangar) |
| ROV Side Doors | 2 off 5m (W) x 10m(H) |
| ROV Workshop | 1 off |
| Control rooms | Vessel-integrated |

ROV Installed

| | |
|------------------|------------------------|
| Number | 1 |
| Owner / Operator | Helix Robotics Systems |
| Position | Aft, starboard side |
| Launching method | A-Frame |
| Type / Class | Work Class |
| Maker / Model | Triton XLX |
| Power | 200 HP |
| Depth Rating | 3,000 m |
| Special Tooling | tba |



Accommodation

| | |
|--|--|
| Total POB | 106 |
| Cabins | 5 x Suites 47 x Single Cabins 13 x Double Cabins 7 x Twin Double Cabins |
| Dedicated smoker's lounge | |
| Mess Room | |
| 3 x Saloons incl. one dedicated for Client use | |
| 8 x Offices | |
| Conference Room | |
| Hospital | |
| Gymnasium | |
| Changing / Washing Room (separate for male / female) | |
| Duty Mess / Smokers Room | |
| Personnel Elevator 14 Persons | |
| Helicopter briefing room / lobby | |



Communications

FBB500 Satellite Telephone

2 x Dual Ku Band V-Sat System w/ Land Lines

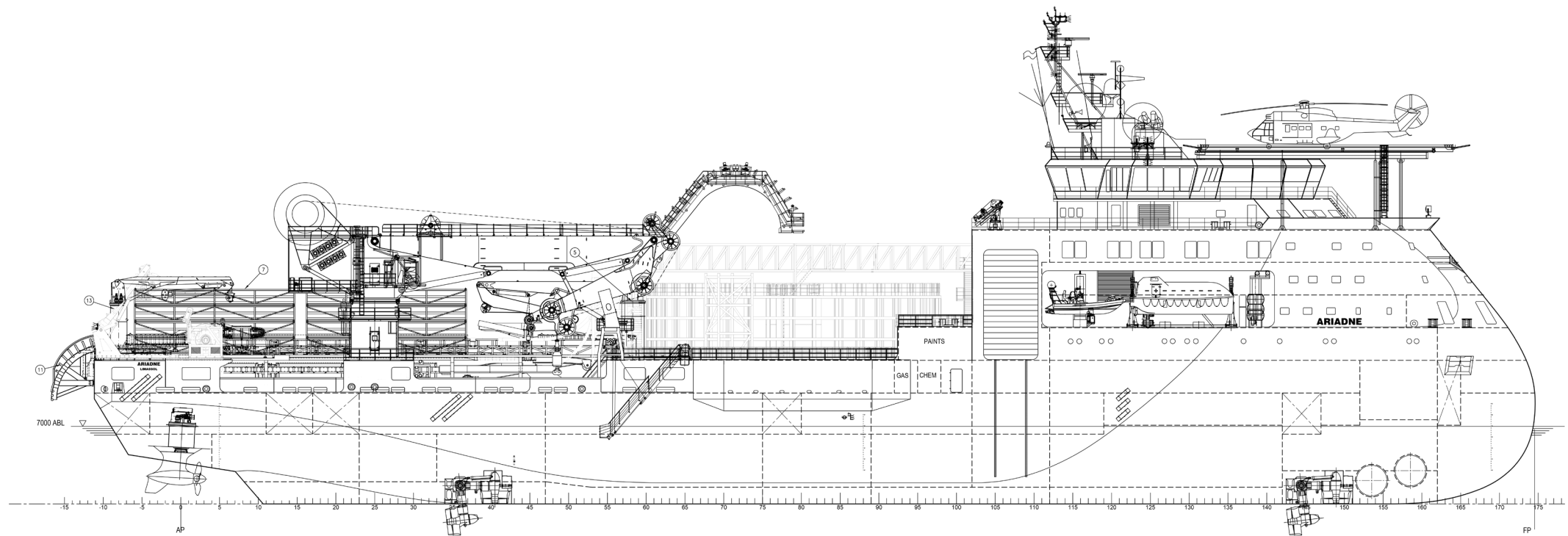
2 x Satellite TV Systems

GMDSS Plant as required for A3 Area



Life Saving Arrangements

| | |
|-------------------|-------------------------------------|
| Fast Rescue Craft | 1 x for max 10 persons (S-Side) |
| Life Boats | 2 x 106 Persons |
| Life Rafts | 4 x 35 Persons, 2 x 39 Persons |
| Other LSA | As required by the SOLAS Convention |





Name “Ariadne”

The Ariadne (/ˌæriˈædni/; in Greek: Ἀριάδνη) is named after the Cretan princess, daughter of King Minos of Crete, who according to Greek mythology, helped Theseus defeat the Minotaur by providing him with a sword and a ball of thread so that he could retrace his way out of the Minotaur's labyrinth.



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.

