



FUGRO EDDA SUN

Edda Sun is a multipurpose ROV support vessel, capable of a broad range of IRM, construction and decommissioning support activities. Built in 2009 to the highest Norwegian standards, the vessel is extremely versatile with a high weather capability. The Edda Sun can accommodate up to 72 personnel, is equipped with a Sikorsky S-92-compatible helideck, a 70T/11m heave compensated knuckle boom deck crane and large deck space.

One of the key features of the vessel is its 625m² of free deck space for project use - one of the largest in its class. This coupled with the powerful deck crane and large bed space, enables Fugro to offer a broad range of bundled services.

The Edda Sun has two crane-deployed Seabeck Lynx inspection class ROV systems and one hangar-deployed FCV 3000 work class ROV system permanently installed.

The vessel also has integrated ROV control, online inspection, survey and offline processing/review offices and client offices.

This means the Edda Sun is ideally configured to carry out the inspection of platforms, pipelines and subsea structures in water depths of up to 3,000 msw and a whole variety of maintenance and repair tasks.

The Edda Sun will also be integrated to Fugro's European Remote Operations Centre, enabling further inspection, processing and ROV operation efficiencies and HSSE benefits.



Edda Sun

EDDA SUN

Technical Specifications

General

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|------------------|------------------------------------------------------------------------------------------------|
| Vessel Name | Edda Sun |
| Classification | DNV +1A1, SF, Comfort-C(3)-V(3), HELDK-SH, E0 DYNPOS AUTR, CLEAN, ICE-C, NAUTOSV (A), DK(+) |
| Owner | Østensjø Rederi AS |
| Operator | Fugro |
| Year Built | 2009 |
| Built by | Baatbygg AS |
| Port of registry | Bergen |
| Tonnage | Gross: 4,398 t; Net: 1,320 t |
| Call sign | LARF 7 |
| IMO | 9489651 |
| Helicopter Deck | Suitable for Sikorsky S-92 |

Dimensions

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|---------|---------------------------|
| Length | LOA: 85.30 m; LBP: 75.0 m |
| Breadth | 18.0 m |
| Draft | 6.8 m |

Accommodation

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|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Total complement | 72 persons |
| Cabins | 20 single, 26 double |
| Hospital | 1 berth + treatment table |
| Offices/workspaces | Online survey / ROV control room Offline survey room 1 x client office Conference room OVM office Inspection Coordinator office ROV office Inspection review room |
| Recreation | 2 x recreation rooms c/w satellite TV & video Messroom Gymnasium Sauna |

Safety Equipment

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| Lifeboats | 2 x 40 person Harding type MCB24 |
| Liferafts | 8 x 25 person Viking D625 inflatable |
| MOB boat | Springer MP-741 |

Machinery & Performance

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|----------------------|-----------------------------------------|
| Main engine | 4 x CAT 3516B, 1,800 kW |
| Main generator | 4 x 1,901 kW |
| Harbour generator | 1 x Set CAT C18 |
| Emergency generator | 1 x Set CAT C90I |
| Bow thrusters | 2 x 1,150 kW Ulstein Tunnel |
| Bow azimuth thruster | 1 x 1,400 kW UL 2001 CP Azi drop down |
| Speed | Full speed: 15 knots; Service: 10 knots |

Deck Machinery

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|------------------------|--------------------------------------------------------------------------------------|
| Free project deck area | 625m ² |
| Total deck area | 650m ² |
| Deck crane TTS | 70 t / 11 m; 25 t / 25 m Main lift: 2,200 m Whip: 10 t / 29.5 m; 540 m x 28 mm |
| Deck crane (x 2) | 1.5 t, 10.3 m |

Capacities

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| Fresh water | 430 m ³ |
| Water maker | Alfa Laval Evaporator |
| Ballast water | 2,200 m ³ |
| Fuel oil | 1,052 m ³ |

Control and Navigation

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| DP system | Rolls-Royce ICON Dynamic Positioning System (DP2) |
| DP reference systems | 2 x HiPAP 501, 2 x DGPS Seapath 200, Cyscan |

Communication

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| General | GMDSS Installation in accordance with IMO regulations for vessels operating within Sea Area A3 |
| GMDSS Radio MF/HF Transceivers & DSC | Sailor System 5000 |
| GMDSS VHF with DSC | 4 x Sailor RT5022, 1 x Sailor 6022 |
| GMDSS VHF portable | 3 x Sailor SP3520 |
| VHF | 4 x GP 340 Handheld |
| GMDSS EPIRB | 1 x Tron 60S Free Float. 1 x Tron 60S Manual |
| GMDSS SART | 2 x Jotron Tron |
| GMDSS Inmarsat C | 2 x Sailor TT-3606E |
| UHF | 15 x Motorola GP 340 Handheld, 3 x GM 360 Stationary |
| Satellite system | 1 x V-sat. 1 x Fleet 77 |
| Mobile telephone | GSM |
| Telefax | N/A |
| Sat TV system | Marlink |
| Helicopter Communication | 2 x Fixed and 3 x portable VHF |

Work class ROV (WROV) Systems

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|----------------------|------------------------------------|
| Number and type | 1 x FCV 3000 150 HP ROV systems |
| Deployment locations | 1 x vessel hanger (A-Frame) launch |
| TMS | 9.3 t SWL, 600 m tether capacity |
| System depth rating | 3,000 msw |
| Vehicle dimensions | 3 m x 1.7 m x 1.7 m |
| Vehicle power rating | 150 HP |

Inspection ROV (OBROV) System

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|---------------------|------------------------------------------------------------------------|
| Number and type | 2 x Seaeye Lynx |
| System depth rating | 1,500 msw |
| TMS | Seaeye Type 8, side entry extendable height, 200 m tether capacity |
| LARS | Integrated crane, winch & HPU on 4.8 m x 2.8 m skid, 3 m outreach @ 3G |