



AUV & ROV
SURVEY & INSPECTION VESSEL

Argeo Venture is a multipurpose subsea IMR vessel equipped for ultra deep-water operations of the ULSTEIN SX124 design. The X-BOW combined with diesel-electric propulsion ensures excellent performances in fuel consumption, sea-keeping and speed. Equipped with high specification catalytic convertors, double hull and a bilge water cleaning system.



▶ Argeo Venture

Vessel specifics

- Length 88,8m x breadth 19m
- Classification Society: Bureau Veritas
- Long endurance diesel electric propulsion
- Wärtsilä: 9L20 x 6 (1800 KW)
 - 2 x SCHOTTEL THRUSTERS, 3100 KW
 - 1x BRUNWOLL 850 KW RETRACTABLE
 - 1x BRUNWOLL 1200 KW TUNNEL,
- Capacity for 69 persons onboard
- Build: 2009
- IMO: 9538086

Survey Spread

- AUV: Hugin Superior
- Instrumentation and acoustic positioning (Kongsberg HIPAP)
- Dedicated instrument/operations room
- Computerized onboard data processing center
- Client office space and conference room
- Marlink VSAT communication
- Dual Starlink communication

Deck equipment

- Free deck space: 300 m2
- Full sheltered hangar: 300 - 400 m2
- Seaonics 50t AHC Crane
- Length of cable: 4000 meter
- Crane SWL: 40t at max depth
- Deck crane



Argeo Venture

General Characteristics

Vessel Name	Argeo Venture
Owner	Venture Subsea AS
Management Company	OSM
Converted	N/A
Port/flag	Nassau / Bahamas
MMSI No.	311 012 200
IMO No.	9538086
Call sign	C6XK3
Class Notations	HULL, MACH, Special service Seismic exploration, Unrestricted navigation, COMF-NOISE 3, COMF-VIB 3, AUT-UMS, SYS-NEQ, CLEANSHIP SUPER, ICE, DYNAPOS AM/AT R, SDS

Dimensions

Length	88,8 m
Beam	19 m
Draught	Max 6.6 m
Gross Tonnage	5766t
Net Tonnage	1729t

Accommodation

Capacity	69 Pax
Cabins	23 x single cabins, 23 x double cabins
Mess	35 Pax
Day room	Yes
Gym & Sauna	Yes
Client Offices	Yes
Business & Conference room	Yes

Survey Positioning Equipment

On-line Navigation System	EIVA Navipac
Primary Navigation	Veripos LD900 with Heading, SPAN & IMU
GNSS receiver	2 x V560 dual GNSS / L-Band antenna
Secondary navigation:	Veripos LD900
GNSS receiver	1 x V560 dual GNSS / L-Band antenna
USBL	Sonardyne Ranger 2 GyroUSBL 7000/Kongsberg HIPAP

Vessel Positioning Equipment

DP System	Kongsberg K-POS DP2 System
Auto Pilot	SIMRAD AP70 MK2
DGNSS	2x FUGRO SEASTAR 9410-AUT
Radar	FURUNO S BAND FCR-2837S, X BAND FAR-2827
Gyrocompass	3x ANSCHUTZ STANDARD 22
ECDIS	FURUNO TECDIS T-2139C
Electronic Charts	C-Map
AIS	FURUNO FA-150
Echo Sounder	FURUNO FE-700

Safety

FRC	Maritime Partner – Springer 741
Life Rafts	6x35 Viking S30,
Survival Suits	73 (100%)
Life Vests	153 (200%)

Communication

VSAT	Sealink Premium
Inmarsat C	IRIDIUM – LT-3100S
Broad band data:	StarLink
Dual Starlink	Global maritime coverage with up to 220 Mbps download
M/F and H/F	Sailor CU 5100
VHF stationary	1 x Sailor RT 5022, 1x Sailor RT 6222, 3x
Sailor RT 2048	
VHF portable	ENTEL – HT644
UHF portable	Motorola GP 380 / DP 2600E

Machinery and propeller plants

Main propulsion system	Diesel Electric – 6 x WARTSILA 9L20 1800 KW
Diesel Engines	2 x SCHOTTEL THRUSTERS, 3100 KW
	1x BRUNWOLL 850 KW RETRACTABLE
	1x BRUNWOLL 1200 KW TUNNEL,
Emergency Generator	CATEPILAR 3406TA and SR4B-450

Speed and fuel consumption

Transit speed	11.8 knots (14.5 kts MAX)
Range	120 days at economic speed
Endurance operation	150 days in operation
Fuel consumption transit	~15 t @ 10 kts (subject to sea and weather conditions)
Fuel consumption operations	8t @ 3-4 kn (subject to operational mode and sea and weather conditions)

Capacities

Fresh water	1050 m ³
Fuel	1670 m ³
Lube oil	88.0 m ³

Deck Equipment

Deck Cranes	Palfinger Marine PK 6500 M/9.4 m / SWL 0.55t
Subsea Crane	Seaonics 50t
Stern Launch and Recovery	Henriksen AUV Launch and Recovery system.
AUV hanger crane	500kg Overhead gantry crane for lifting AUV batteries

Battery Charger Box

Water-cooled battery charger box for 6 AUV

Geotechnical systems

Batteries 2 Charging location
CPT, Piston Core, Grab sampler etc

Open deck space 300 m2 (5t/m)

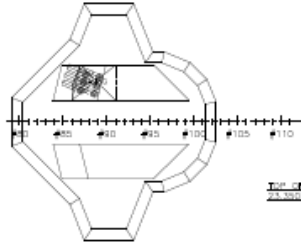
Full sheltered hangar 300-400 m2



Argeo Venture

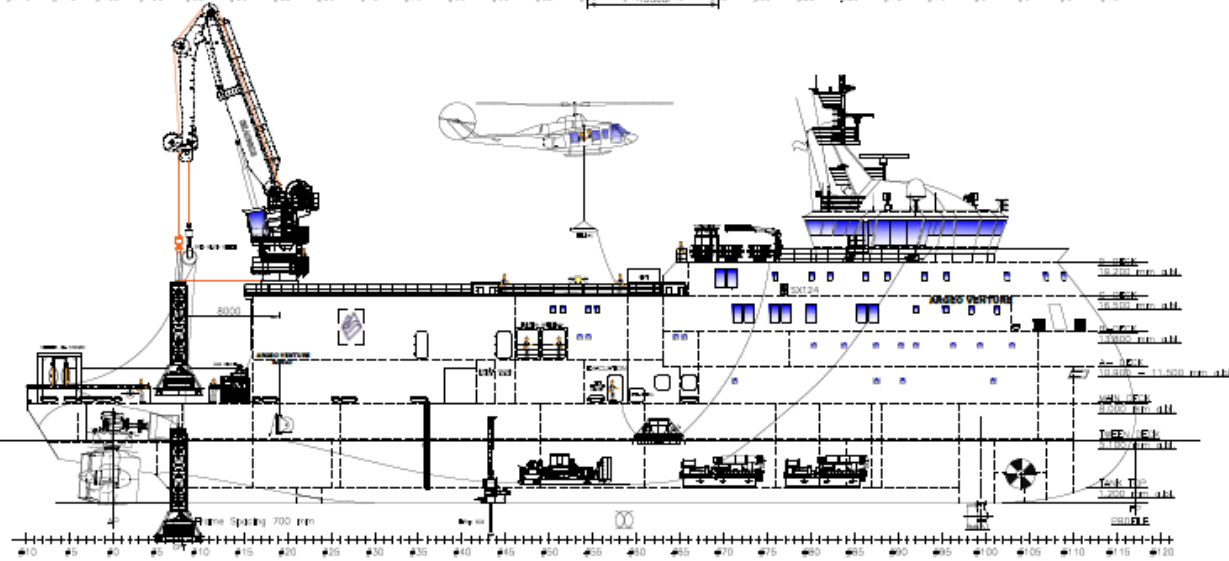
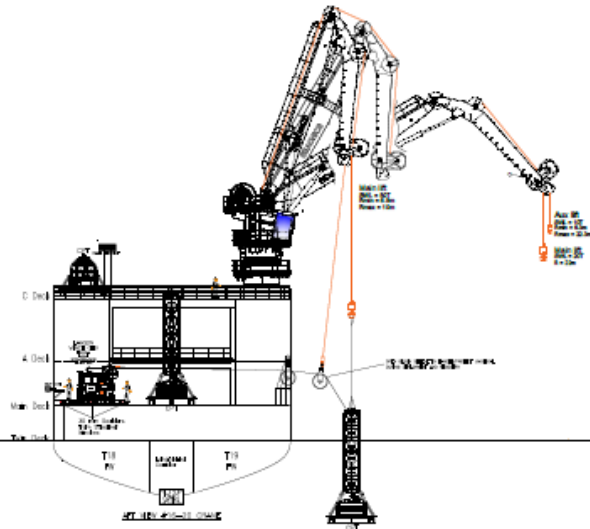
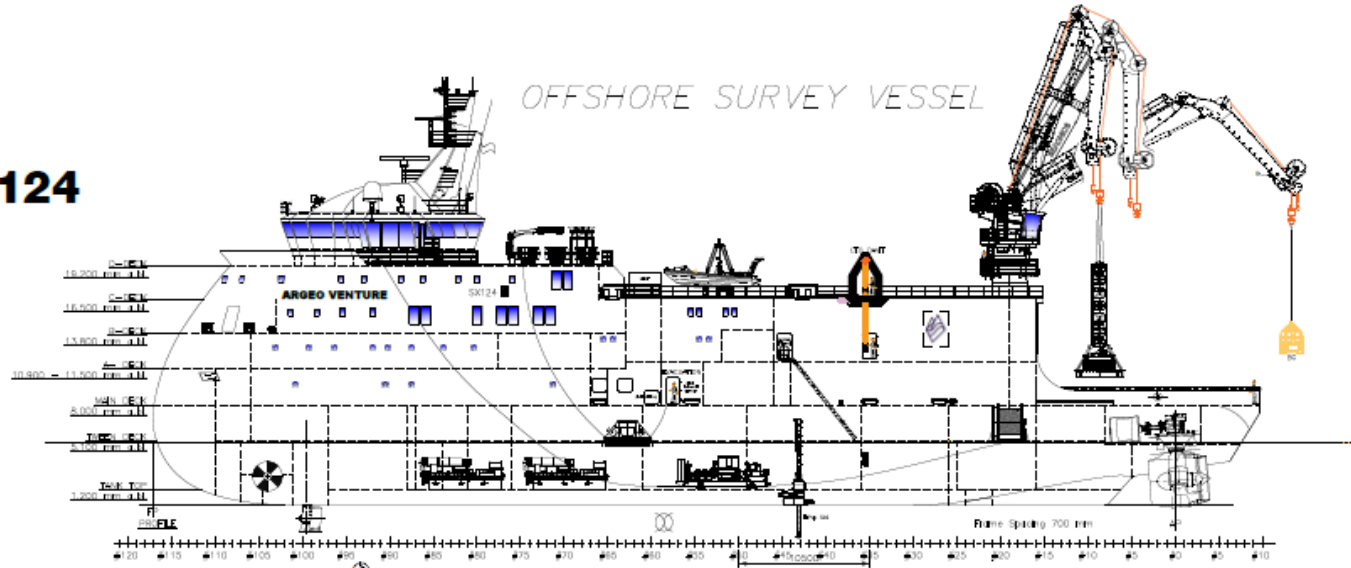


ULSTEIN SX124



TOP OF SUPERSTRUCTURE

OFFSHORE SURVEY VESSEL





Argeo Venture –AUV & Geotech configuration

