



## AUV & ROV SURVEY & INSPECTION VESSEL

Argeo Searcher is an effective multipurpose AUV/ROV survey vessel with an excellent track record for several O&G clients worldwide since built in 2001/2006



## ▶ Argeo Searcher

### Vessel info

- Length 108,6m x breath 18m
- Class: DNV, 1A1 HELDK DYNPOS -DPS2
- Long endurance diesel electric propulsion
- OSM Vestland Management
- Capacity for 65 persons onboard
- FRC: Norsafe with diesel waterjet propulsion
- Helideck for Super Puma 9.3t

### Survey Spread

- AUV: 1 x SeaRaptor 6000 (option 2x SeaRaptor)
- ROV: 1 x WROV/Observation/Survey (option)
- Instrumentation and acoustic positioning (SON/HIPAP)
- Dedicated instrument/operations room
- Computerized onboard data processing center
- Client office space and conference room
- Marlink VSAT communication



# M/V Argeo Searcher

## Machinery and propeller plants

Main propulsion system	Diesel Electric—Double Stern Aquamaster Azimuth, FPP 2 x Aquamaster US 2001, 1600 KW, 0-1200 rpm, 2x Stork –Wartsila 6GL28 , 1800 KW, 900 rpm 2x Wartsila Vasa 6R32, 2430 KW, 720rpm 3 x Ulstein (Rolls Royce) 375 TV, 1275 KW, CPP Cummins 6BT 5.9G, 87 KW 2 x LMF type 138/62, 62m3/min (2200 cfm) frequency converter controlled
Diesel Engines:	
Forward Tunnel Thrusters	
Emergency Generator	
Seismic compressors	

## Deck machinery

Deck Crane	2x ABAS Knuckle Boom 4t at 16 meter
Deck Crane	1x Palfinger Marine PS 22000m/10 S2.5SWL2t

## Navigation Equipment

Auto Pilot	“SIMRAD AP9 MK3”
DGPS	“MX MARINE 420”; FUGRO SEA STAR 9205 GNSS; C-NAV 3050 FAR – 2117 BB FAR – 2137S BB: 2 x “ SG Brown TS” 1 x “Alphatron-Alphaminicourse”:
Radars	
Gyro	
Magnetic compass “PLATH”	
EI. Chart	“TelChart ECS” – C-Map database
DP System	DP2 MT Bridge Mate, installed 2013
Navigation Echo Sounder	“STN ATLAS”
GMDSS	SAILOR A1, A2, A3
Simplified VDR	DANALEC MARINE”
AIS	“JOTRON”
Speed Log	“BEN MARINE- ANTHEA”
Fac-Simile	“ICS Electronics”
ECDIS	TECDIS
DP System	Marine Technologies LLC Bridge Mate DP2 System
Gyrocompass with repeaters	2 x “ SG Brown TS”, 1 x “Alphatron-Alphaminicourse”

## Seismic Equipment

Manufacturer	N/A
Node type	N/A
Max On-board Node Capacity	5,226 (Handling System Owners equipment)
Charging Capacity	630 units (Charterers equipment)
Deployment/Retrieval Method	WROV

## On-line Navigation System

Primary Navigation	EIVA
GPS receiver	Veripos LD6 w/Ultra2 Corrections
Secondary navigation:	C-NavigatorIII
GPS receiver	C-Nav 305000000 Sstarfire w/SF2 Corr
Acoustic/USBL	N/A Sonardyne Ranger Pro v2.02

## Energy source

Compressors	2x LMF62/138-207 E60
Drive Engine	EI. Motor ABB AMA 450L6L BAFTMH
Cubic ft. per minute	2,200 cfm
Total Volume per Source	Source not onboard
Source Controller	Not onboard

## Speed and fuel consumption

Transit speed	10 knots
Range	120 days at economic speed
Endurance operation	240 days in operation
Fuel consumption transit	~15t @ 10kn (dependant on weather conditions)
Fuel consumption operations	6-8t @ 3-4 kn (dependant on weather conditions)

## Capacities

Fuel	1671 M3
Fresh water	610 M3
Lube oil	32.0 M3
Sewage	27.0M3
Fresh water generator	1 x Alfa Laval evaporator: 15 m3 1 x ENWA Inverse Osmosis: 25 m3
Sewage treatment plant:	Aquamar GmbH, Bio-Unit model MSP 60 10.5 m3/Day Saniterm SH 20-SR,400000Kcal/h
Incinerator:	

## Life saving equipment

Lifeboat	2x 65 persons—Greiben
Life Rafts	2x 25, 4x 20, 1x 6—Viking
Rescue Boat:	FRC—Norsafe 655M
Fire Suits (BA-sets)	6x Drager PA91 Plus
Air Compressor	1x Bauer U II W
Smoke Hoods	48 x HKMASK
Line Thrower	3x Comet, 1x Ikaros
Survival Suits	69x Helly Hansen 130
Life Vests	130
Life Rings	10
Work Floating Vest	13x Helly Hansen, 14x Crewsaver
Gas Monitor	2x portable sets-Drager
Medical Equipment	ALS Medical Kit, 2 spine boards, traction splint, KED/Stokes Basket
Resuscitators	1x Heart-Start AED, 1x Heart-Start
Cardiac	Monitor with AED
Galley System	1x CO2 HP System
Emergency Fire Pump	1x 70 m3/h
Fire Extinguisher:	137/ CO2, Powder/Foam
CO2 System:	1x Fixed ER 38 cyl x 45 kg 1x Fixed Galley 1 x 9 kg

## Communication

Fixed satellite line (Fleet77):	
VSAT Number	Sealink SCPC/Vados
Inmarsat C	Sailor – H23095 C
Emergency Radios	3x VHF ICOM GM 1600E
Life Boat Radios	3x Portable VHF
M/F and H/F	Sailor - TT – 6301A
VHF stationary	Sailor – RT - 4822
VHF portable	Sailor C4901
UHF portable	Motorola – GP340; GP360
Internal communication	Automatic Telephone System “VINGTOR” Amplified Battery less Telephone System “STENTO” Public Address System “STENTO AS” Sailor C4901
Handheld GMDSS/VHF Radio:	Sailor – H23095 C
Satellite – Inmarsat Type ‘C’:	ICS, Nav5
NavTex	Sailor C4901
Telex	STN ATLAS
Echo Probe	Sealink SCPC
Satellite com. Equipment	Sailor – H23095 C
Inmarsat:	

Max capacity (personnel)	65 persons
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## Accommodation

Accommodation	65 persons
1M Cabins	13x 1M Cabins with Bathrooms
2M Cabins	26x2M Cabines with Bathrooms
Mess	30 person
Day room	3xcomfortable outfitted on Deck No6
Exercise room	1 x fully equipped GYM on Deck No2
Office	3 x Client offices on Deck No6
Conference room	1 x Equipped for 10 person on Deck No6

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