







ROVER

The Argus Rover is an observation class ROV ideal for survey, aquaculture and inspection. Available depth ratings down to 3000msw.

ARGUS REMOTE SYSTEMS

-  **Power:** 12kW / 16HP
-  **Depth rating:** 1000-3000msw
-  **Dimensions:** 1.45m x 0.93m x 0.84m
-  **Weight in air:** 390kg
-  **Payload:** 35kg
-  **Lift capacity:** 150kg through frame



Observation Class ROV

ARGUS REMOTE SYSTEMS AS

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REMOTE
SYSTEMS

ROVER

The Argus Rover is an observation class ROV ideal for survey, aquaculture and inspection. Available depth ratings down to 3000msw.

Argus offers complete ROV systems for various applications, which includes control, workshop containers, fully electric TMS, and Launch and Recovery System with AHC. The Rover ROV is available with DC thrusters.

GENERAL	
Power	12kW / 16HP
Depth rating	1000 - 3000msw
Dimensions	1.45m X 0.93m X 0.84m (dependent on depth rating)
Weight	390kg
Payload	35kg
Through frame lift	150kg
Thrusters	4 horizontal and 2 vertical
Manipulators	Hydro-Lek manipulators or similar

TOOLING AND MANIPULATOR HPU AND VALVES	
HPU for manips	1.5kW, 3lpm, 210bar
HPU for tooling	N/A
Valve Packs	5 x 5lpm valves. Other valve configurations available
Filters	The hydraulic oil is filtered through pressure and return filters
Control	The flow is fully adjustable through the topside GUI

BOLLARD PULL & SPEED	
Bollard pull fwd/aft	100kgf
Bollard pull lateral	80kgf
Bollard pull vertical	65kgf
Speed fwd	3.0kts
Speed lateral	1.5kts
Speed vertical	1.5kts

POWER	
Description	A surface transformer converts the vessel voltage up to 990v or 3000V. The High Voltage Electric system is equipped with a Megacon Line Insulation Guard system
Input	380 / 440 / 690VAC 50/60Hz
Output	On the ROV a transformer converts the 990V or 3000V down to 230VAC for thrusters and to the electronic subsea bottles

IMCA & NORSOK CLASSIFICATION	
IMCA	II A+B
NORSOK	II A+B

SENSOR, CAMERA AND LIGHTS	
Sensor interfaces	Standard communication channels: 6 x RS-232 channels (RS-485 on request) 1 x Gb Ethernet channels (more optional) 24 VDC, and 230VAC available
Camera interfaces	2 x Composite channels or IP 1 x HD-SDI 4K optional
Lights	2 x 130W dimmable LED lights - 11 500 lumens each
Pan & tilt unit	The vehicle are delivered as standard with one Pan & Tilt unit or one tilt unit. The units have position feedback where actual position is displayed on the GUI

TOPSIDE CONTROL	
As standard, the ROV system is delivered with a operator console. A control chair may be delivered as an option. The video pictures and GUI are displayed on one 32-inch monitor providing maximum flexibility and ease of use	

CONTROL SYSTEM & AUTO FUNCTIONS	
Control system	The in-house developed Poseidon control system and GUI is the standard control system for all Argus vehicles. The GUI is intuitive, easy to upgrade and allows for remote access, which enables Argus technicians to provide support remotely
Auto Functions	Auto heading, auto depth, auto altitude, DP, WP navigation
Over the Horizon (OTH)	The OTH functionality may be used over a 4G/5G, VSAT, Starlink, or a Kongsberg Maritim Broadband radio link The high quality video is stored onboard the vessel, where the video signals are streamed to shore for operators use

FULLY ELECTRIC TMS	
The Argus fully electric TMS cage type is built in stainless steel and is delivered with the same depth rating as the ROV. Standard tether length is 350 meters	
The TMS control system is fully integrated with the Poseidon ROV control system	

CONTAINERS (OPTIONAL)	
ROV Control Container	<ul style="list-style-type: none"> 20' DNV 2.7-1 certified container Air conditioned Fully outfitted with control chairs, and monitors The container layout is flexible
ROV Workshop / PDU Container	<ul style="list-style-type: none"> 20' DNV 2.7-1 certified container Air conditioned All power equipment and PDU installed away from crew

March 2024

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