





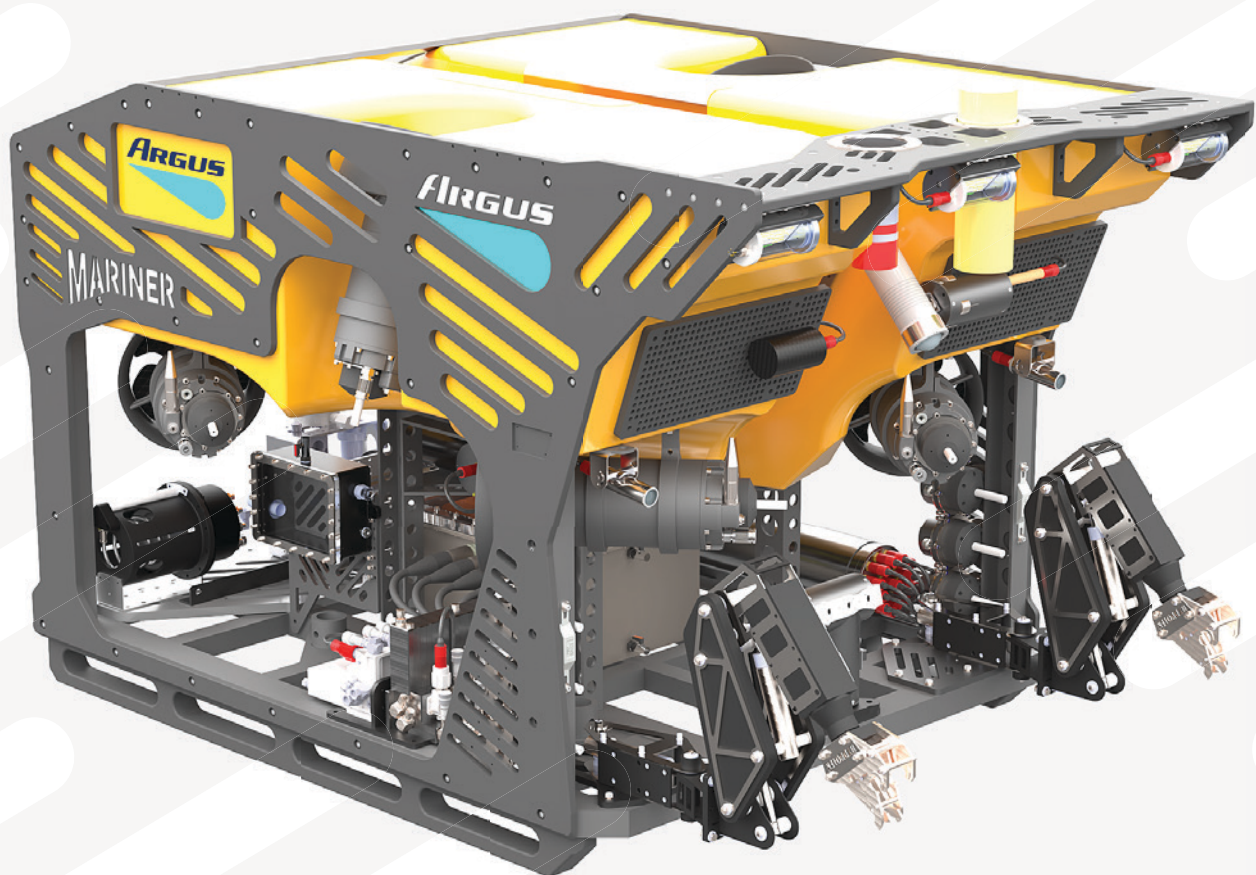


MARINER

The Argus Mariner is a light Work Class ROV Ideal for aquaculture, inspection, and light IMR. Available depth ratings down to 4000msw.

ARGUS REMOTE SYSTEMS

-  **Power:** 55kW / 75HP
-  **Depth rating:** 1000-4000msw
-  **Dimensions:** 2.0m x 1.35m x 1.3m
-  **Weight in air:** 1000kg
-  **Payload:** 75kg
-  **Lift capacity:** 1000 kg through frame



Light Work Class ROV

ARGUS REMOTE SYSTEMS AS

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REMOTE
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The Argus Mariner is a light Work Class ROV Ideal for aquaculture, inspection, and light IMR. Available depth ratings down to 4000msw.

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

GENERAL	
Power	55kW / 75HP
Depth rating	1000 - 4000msw
Dimensions	2.0m X 1.35m X 1.3m (dependent on depth rating)
Weight	1000kg
Payload	75kg
Through frame lift	1000kg
Thrusters	4 horizontal and 2 vertical

TOOLING AND MANIPULATOR HPU AND VALVES	
HPU for manips	ARS-3K, 9lpm, 200bar
HPU for tooling	20 lpm @ 140bar, Other options are available
Valve Packs	Up to 3 x 7 function Solenoid valvepacks High flow Proportional valve pack options
Filters	The hydraulic oil is filtered through pressure and return filters
Manipulators	Schilling Orion, TitanRob or Hydro-Lek manipulators

BOLLARD PULL & SPEED	
Bollard pull fwd/aft	225kgf
Bollard pull lateral	200kgf
Bollard pull vertical	140kgf
Speed fwd	approx. 2.5kts

POWER	
Description	A surface transformer converts the vessel voltage up to 3000V. The High Voltage Electric system is equipped with a Megacon Line Insulation Guard system
Input	380 / 440 / 690VAC 50/60Hz
Subsea	On the ROV a transformer converts the 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: 14 x RS-232 channels (RS-485 on request) 7 x 10/100 Ethernet ch., 1 x Gb Ethernet ch. 24 VDC and 230VAC available (48VDC and 110VAC on request)
Camera interfaces	4 x IP Camera ch. (composite on request) 1 x HD-SDI ch. (4K on request)
Lights	4 x 130W dimmable LED lights - 11 500 lumens each
Pan & tilt unit	The vehicle are delivered as standard with one Pan & Tilt unit and 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 one control chair equipped with joysticks, TMS control, and a touch screen. A co-pilot chair with joysticks can be supplied as an option. Video images and GUI are presented on multiple screens that are divided into several windows.	

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 TOP-HAT TMS	
The Argus fully electric TMS is built in stainless steel and is delivered with the same depth rating as the ROV. There is two TMS tether length options available: <ul style="list-style-type: none"> 400 meter tether 600 meter tether 	
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 chair, 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

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