







# WORKER

The Argus Worker is a Work Class ROV Ideal for survey, IMR, construction and salvage. Available depth ratings down to 7000msw.

ARGUS REMOTE SYSTEMS

-  **Power:** 95 - 200kW / 130-270HP
-  **Depth rating:** 1000-7000msw
-  **Dimensions:** 3.0m x 1.7m x 1.8m
-  **Weight in air:** 3800-4300kg
-  **Payload:** 200kg
-  **Lift capacity:** 3000 kg through frame



## Work Class ROV

ARGUS REMOTE SYSTEMS AS

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REMOTE  
SYSTEMS

# WORKER

The Argus Worker is a Work Class Deepwater ROV. Ideal for survey, IMR, construction, and salvage. Available depth ratings down to 7000msw.

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

GENERAL	
Power	95 - 200kW / 130 - 270HP
Depth rating	1000 - 7000msw
Dimensions	3.0m X 1.7 m X 1.8m (dependent on depth rating)
Weight	3800 - 4300kg
Payload	200kg
Through frame lift	3000kg
Thrusters	4 horizontal and 3 vertical
Manipulators	Schilling T4, Atlas, Atlas, Kraft or Seaeye eM1-7 electric

TOOLING AND MANIPULATOR HPU AND VALVES	
HPU for manips	6kW, 15lpm, 210bar
HPU for tooling	18kW, 40 lpm, 56kW, 100lpm or 75kW, 150lpm @210bar, other options available
Valve Packs	Customer specific
Filters	The hydraulic oil is filtered through pressure and return filters with CARDEV filter for water contamination
Control	The flow and pressure is fully adjustable through the topside

BOLLARD PULL & SPEED	
Bollard pull fwd/aft	AC: 600kg DC: 900kg
Bollard pull lateral	AC: 500kg DC: 750kg
Bollard pull vertical	AC: 535kg DC: 850kg
Speed fwd	AC: 2.5kts DC: 3.0kts
Speed lateral	AC: 1.5kts DC: 2.5kts
Speed vertical	AC: 1.5kts DC: 2.0kts

POWER	
Description	A surface transformer converts the vessel voltage up to 3000V or 4500V. 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 3000V or 4500V down to 230VAC for thrusters and to the electronic subsea bottles

IMCA & NORSOK CLASSIFICATION	
IMCA	III A+B
NORSOK	III A+B

SENSOR, CAMERA AND LIGHTS	
Sensor interfaces	Standard communication channels: 12 x RS-232 channels (RS-485 on request) 5 x Gb Ethernet channels (more optional) 24 VDC, 48VDC, 110VAC and 230VAC available
Camera interfaces	6 x Composite channels or IP 2 x HD-SDI 4K optional
Lights	10 x 130W dimmable LED lights - 11 500 lumens each
Pan & tilt unit	The vehicle are delivered as standard with 2 x Pan & Tilt units 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 two control chairs equipped with joysticks, TMS control, and a touch screen. Both control chairs can be fitted with joysticks. The video pictures and GUI are displayed on four 55-inch monitors that can be positioned according to the operators' preferences, 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 TOP-HAT TMS	
The Argus fully electric TMS is built in stainless steel and is delivered with the same depth rating as the ROV. For the Worker ROV there is three TMS options available:	
<ul style="list-style-type: none"> <li>600 meter tether</li> <li>1100 meter tether</li> <li>1500 meter tether</li> </ul>	
The TMS control system is fully integrated with the Poseidon ROV control system	

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