







# WORKER UC

The Argus Worker UC is a Ultra Compact Work Class ROV Ideal for the Windfarm Industry. Built for high current work. Available depth ratings down to 300msw.

ARGUS REMOTE SYSTEMS

-  **Power:** 72kW / 98HP
-  **Depth rating:** 300msw
-  **Dimensions:** 2.2m x 1.53m x 1.3m
-  **Weight in air:** 1600kg
-  **Payload:** 50kg
-  **Lift capacity:** 1000 kg through frame



## Compact Work Class ROV

ARGUS REMOTE SYSTEMS AS

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REMOTE  
SYSTEMS

# WORKER UC

The Argus Worker UC is a Compact Light Work Class ROV Ideal for the Wind farm industry. Built for high current work. Available depth ratings down to 300msw.

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

## GENERAL

Power	72kW / 98HP
Depth rating	300 msw
Dimensions	2.2m X 1.53 m X 1.3m (dependent on depth rating)
Weight	1600kg
Payload	50kg
Through frame lift	1000kg
Thrusters	4 horizontal and 2 vertical
Manipulators	TitanRob or Hydro-Lek manipulators

## TOOLING AND MANIPULATOR HPU AND VALVES

HPU	6 kW pump for Manipulators
Flow and pressure	9 lpm at 160bar
Valve Packs	14 x Solenoid valves
Filters	The hydraulic oil is filtered through pressure and return filters

## BOLLARD PULL & SPEED

Bollard pull fwd/aft	AC: 550kgf
Bollard pull lateral	AC: 530kgf
Bollard pull vertical	AC: 350kgf
Speed fwd	AC: 3.5 - 4kts
Speed lateral	AC: 2.5 - 3kts
Speed vertical	AC: 1.5 - 2kts

## 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
Output	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: 12 x RS-232 channels (RS-485 on request) 5 x Ethernet channels (more optional) 24 VDC and 230VAC available
Camera interfaces	4 x Composite channels or IP 1 x HD-SDI 4K optional
Lights	6 x 130W dimmable LED lights - 11 500 lumens each
Pan & tilt unit	The vehicle is delivered as standard with 1 x 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. The option to install two chairs with joysticks on both chairs is also available. The video pictures and GUI are displayed on two 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 and auto altitude as standard Optional DP and 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:

- 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"> <li>20' according to 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' according to DNV 2.7-1 certified container</li> <li>Air conditioned</li> <li>All power equipment and PDU installed away from crew</li> </ul>