



Atlantic Marine &  
Oilfield Services Ltd.



# 170 HP Work Class ROV

[www.atlanticmarineoil.com](http://www.atlanticmarineoil.com)  
LAGOS • PORTHARCOURT • TARKORADI

The **Millennium 170Hp** is considered one of the most successful high-end work class ROV - It have served the industry with reliability for a decade.

Our fully upgraded 2023 MarkII incorporate more thrust, more payload and more space within the vehicle frame for customer requirements. Eight high performance thrusters provide symmetrical thrust in all directions.

With The highest standard payload of 370kg wet weight (with standard equipment and manipulators installed) and the largest inside frame volume, the ROV can carry more sensors and tooling than ever before.

Fully digital control system, Ethernet based with PLC system for control and single mode fiber gives the ROV full capacity for full survey set up with out additional multiplexer.





CONTROL VAN



TMS

## Reliable

Dual hydraulic directly driven by 2 x 85 HP motors



## ROV

Well proven PLC based control system gives a reliable system



## Quality

The ROV is well proven with industry standard components for high quality and service



# Technical Specification

## ROV

Dimensions	3,3 x 1,7 x 1,9 m
Power	2 x 85 HP (170HP)
Depth rating	3000 Meter
Payload	350 kg
Thrusters	4 + 4
Lights	8 LED

## CAMERA & LIGHTS

4K UKD IP Camera	6 x USSO
Dimmable lights	4 x USSO
Flood lights	4 x USSO

## MANIPULATORS

7 Function	Schilling Conan
5 Function	Rigmaster

## AUTO FUNCTIONS

Auto Heading	+ 2,5 degrees
Auto depth	+ 15 cm
Auto Altitude	+ 15 cm

## SENSORS

Gyro (MRU)	KVH optical
Depth Sensor	Digiquarts
DVL	RH 1200 (option)
Altimeter	Tritech PA 200
Sonar	Super Sea king
HD Sonar	Gemini 720 (option)

## ELECTRICAL REQUIREMENTS

ROV total power	380/480 Vac, 3PH, 250 kVA
Winch	400/460 Vac, 3PH, 150 kVA

## TMS

Depth rating	3000 msw
Dimensions (D x H)	2,1 x 2 m
Weight in air	2.8 ton
Through- frame lift	10.0 ton
Tether	400 m
Vertical up pull	900 kg
Forward, aft speed	3.0 knots
Lateral, Vertical speed	2,5 Knots

## LARS

Type	A Frame
Length	6100 mm
Wide	3300 mm
Weight	10050 kg

## UMBILICAL WINCH

Winch (L x W x H) m	2,9 x 2,99 x 3,0
Winch weight	25 ton
Winch max umbilical	2500 m
Umbilical length	2000 m
HPU (L x W x H)	2,8 x 1,5 x 1,7
HPU Weight	3500 kg

## CONTROL, WORKSHOP

Control Van	20 ft
Work Shop	20 ft

## OPERATIONAL LIMITS

Beaufort	6
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## TOOLING INTERFACE

Survey Multiplexer (separate spec)

## TOOLING RCU

Fantom Intelligent valve pack  
 - 2 of NG 6 valves proportional  
 - 4 of NG 3 Valves proportional  
 - 1 of pressure deducing valves  
 - Top side software for tooling control



## TMS

Gigabit Ethernet thru out the system gives high speed data and HD cameras as standard on ROV



## Ethernet & HD

Gigabit Ethernet thru out the system gives high speed data and HD cameras as standard on ROV



## Remote Control

Linked onshore with Starlink integrated system, stream live video to client and data to technical department for constant monitoring

