

## Smart Lifting ROV

ATOLL (patented system) is an observation ROV deployable from a light vessel. The system can perform a fully autonomous approach and docking based on embedded control algorithms. Once the link is obtained to the seabed target, ATOLL can either transfer power & data, or mechanically engage the target for recovery back to surface and valve manipulation. ATOLL comes with dedicated LARS system or can be adapted to any LARS or crane system.



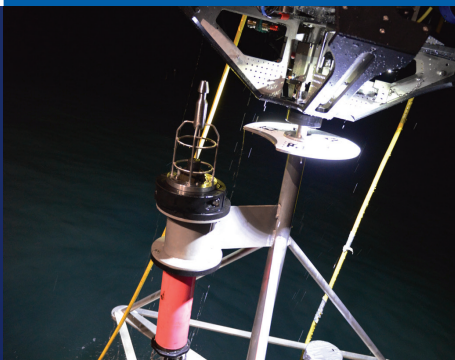
**Quick Latching System**  
Up To 1.5t



**Go To Mode**  
& Visual Docking



**Adapted to**  
Light Vessels



## DIMENSIONS & PERFORMANCE

Depth Rating	2,000 m (upgrade on demand)
Weight in Air	245 kg
Length	1056 mm
Width	1022 mm
Height	1200 mm (w/out top bullet)
Power Supply at ROV	7 kW / 320 Vdc
Payload	40 kg
Frame Safe Working Lift	1500 kg (incl. ROV weight)
Frame Breaking Load	4500 kg
Thrusters Horizontal	4 x SPE-75
Thrusters Vertical	2 x SPE-75

## THRUST

fwd/aft	73 kg
port/stbd	73 kg
vertical (up)	52 kg

## SPEED

Fwd	3.5 knots
Aft	3.5 knots
Vertical	2.5 knots

## AUTO FUNCTIONS

- Auto heading, depth, altitude, station keeping
- Visual Docking (*only with NAV CAM*)
- GO-TO Dynamic Positioning
- Mission planning – on demand

## CAMERA & LIGHT

- Inspection: IP HD **OBS CAM** mounted on tilt unit with position feedback
- Visual Docking (*Optional*): **NAV CAM** coming with **V-LOC** software
- 4 x dimmable Bowtech Serie K 2,500 Lumen

## POSITIONING

- Depth sensor accuracy 0.3m
- Integrated AHRS
- ROVINS Nano + DVL (*Optional – Required for “GO TO” mode*)
- Pitch & Roll accuracy 0.05°
- USBL transponder slot (*cNode ; MT9 ; WMT6...*)

## PAYLOAD OPTIONS

- 500kg SWL Quick Latching System (*standard*) – Upgrade to 1.5T SWL - on demand
- Class IV Electrical Torque Tool ; CP Probe ; Survey Skid (*MBE, SBP, SSS*)

## INTERFACE & COM'

- Fiber Connections: 3 x 9/125 Single Mode
- I/O : 4 x Gbit Ethernet ; 6 x Analog (0-10V) ; 6 x Serial (*RS-232/485*)
- Tooling Voltage: 8 x 24Vdc ; 1x 12 Vdc ; 1 x 5 Vdc

## Launch & Recovery Options

### OPPORTUNITY CRANE



Free Flying  
Up to 500m

### USE YOUR OWN LARS

