

# Alpha 8 ROV

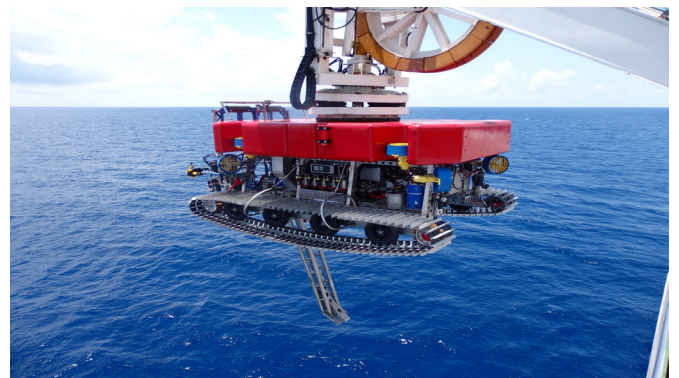
## General specifications



Alpha 8 is a powerful and full customized work class ROV dedicated for cable (energy and telecom) and pipes works (burial, survey, inspection).

### Work capabilities

- **Operations:** Burial (energy and telecom cables, pipes), Inspection, Survey, Gripping & Cutting
- **Power:** 450kw
- **Operating depth:** 3000m
- **Trenching depth:** up to 3m
- **Trench width:** 150 to 400mm
- **Speed Trenching:** 750m/h
- **Speed free swimming:** Forward 2.5 Knots
- **Speed on tracks:** 2500 m/h



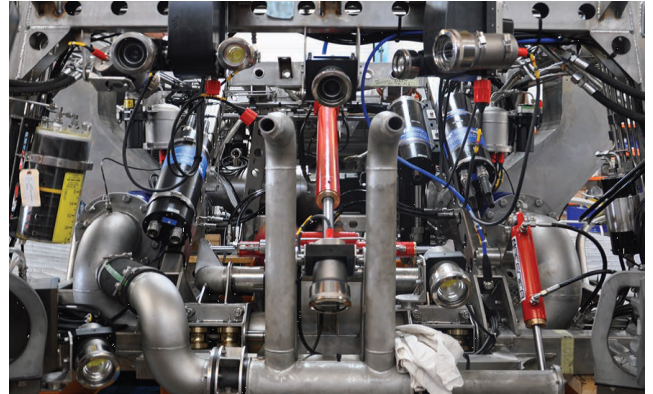
# Characteristics

## Typical characteristics

- **Dimensions:** Length 6m / Breadth 3.5m on tracks / height 2.3m
- **Weight on tracks:** 12 tons in air
- **Weight on skids:** 11 Tons in air
- **Structure:** Tubular Stainless steel 316L
- **Piping and fittings:** stainless steel
- **Payload:** 300kg
- **Biodegradable hydraulic oil**

## Power Propulsion

- **Power:** 450kw (150kw HPU/300kw Jetting)
- **Operating voltage:** 440v / 60hz



## Instrumentation and tools

- **Video & cameras:** up to 6 cameras + 1 HD Gige
- **Pan & Tilt up to 3**
- **Lighting:** 8 spot light LED
- **Instrumentation:** sonar Blue view, current meter, profiler, altimeter, cable sensor...
- **4 independent networks 1Gbit**
- **Piloting (auto modes):** altitude, heading, tracks, depth
- **Navigation:** acoustic positioning system / 2 compass
- **Tracking:** 350 & 440 TSS Cable Tracker
- **Manipulators:** 2 Conan 7 functions (schilling)
- **Tools:** 1 Cutter & 1 gripper (up to 80mm cable diameter)
- **Jetting:** HP and BP pumps / front and rear tools

## Shipboard Support

- **Deployment system:** crane or dedicated winch & L.A.R.S Available
- **Ship work deck:** 300m<sup>2</sup>
- **Operating team:** 1 Team leader and 6 technician

# Additional information

All characteristics are adjustable and we customize our products in order to meet our customer's needs. The first unit of this ROV is hired by Orange Marine and ACPL in Singapore.