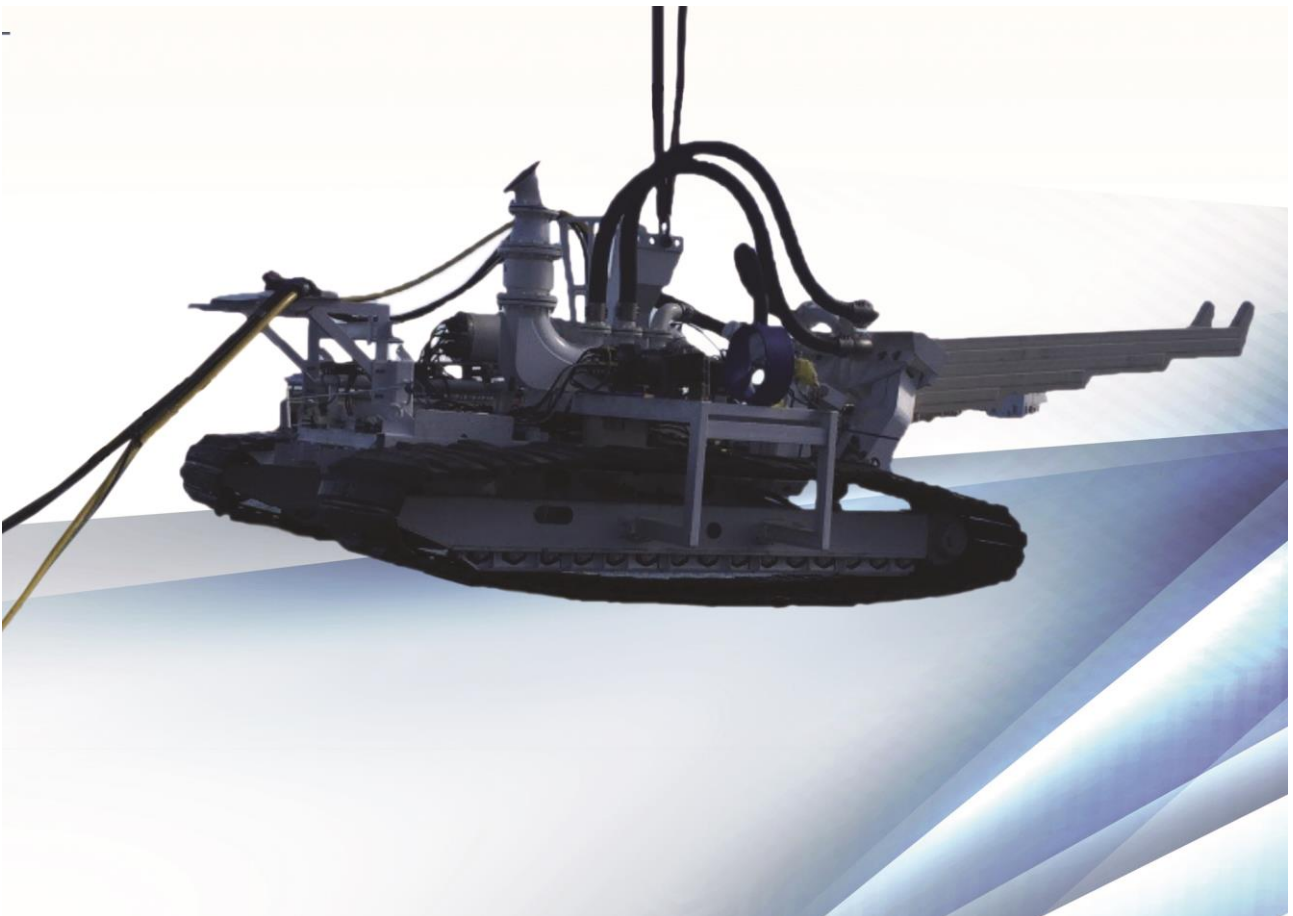


# Otter

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## Technical specifications



### DESCRIPTION

The Otter is a remotely operated vehicle designed for the burial of subsea cables in shallow water environment. The vehicle is usually powered and operated from the surface support vessel and can work in water depths up to 50m. The control system allows the system to be positioned at any convenient position on the host vessel. The umbilical system comprises an electrical control umbilical and three hydraulic hoses



### KEY FEATURES

- Self-propelled tracked vehicle
- Surface fed water jetting system
- Full Surveillance Suite
- Capabilities to handle full survey spread
- TSS Dual Track 350 & 440 Cable Detection and Tracking System



### PERFORMANCES

- Jetting power: surface supplied water jetting system, capabilities up to 3000 m<sup>3</sup>/h @ 15 bar depending on pumps system
- Forward Speed (tracked mode): 0 to 30 m/min



### CABLE DETECTION SYSTEM

- Tone Detection: Teledyne TSS 350
- Pulse detection: Teledyne TSS 440
- Other: TSS 440 frame hydraulically operated

*All performance figures quoted are nominal, actual performance is dependent on environmental conditions prevailing at the time of operations.*

#### GENERAL

Depth Rating	50 m
Dimensions (LxWxH)	7.7 m x 4.2 m x 2.1 m
Weight in air	12 tons
Submerged Weight	11 tons

#### ANCILLARY SYSTEMS

Thruster	Fixed 380mm positioning hydraulic thruster for orientation control during landing
Seabed Landing Sonar	2 x Tritech Gemini Sonar for landing purposes
Seabed Mapping	2 x Dual Head Res MBES compatible

#### SUBSEA JETTING SYSTEM

Main Jet Tool	Twin jet swords with downward, inner facing and backwash nozzles. Nozzles layout interchangeable according to water pump configuration
Operating pressure	5 to 15 bar (depending on surface supply system)
Water Flow	Depending to surface supply system
Trench Depth	0 to 2.4 m standard 0 to 3.0 m with extended swords
Jet Tool width	Up to 1000 mm

#### SUBSEA ELECTRONICS

Cameras	Up to 5 video channels (3 x colour CCD zoom, 1 x monochrome SIT, 1 x spare channel)
Lamps	8 x 250W dimmable 2 x DSP&L SeaLite Sphere LED
Gyro	iXBlue Octans MKIII
Sonar	OAS 1 x Tritech Super SeaKing / 1 x BlueView Sonar
Bathy / Altimeter	Tritech SK704 / Tritech PA500
Electronics Pod	1 atmosphere pressure vessel