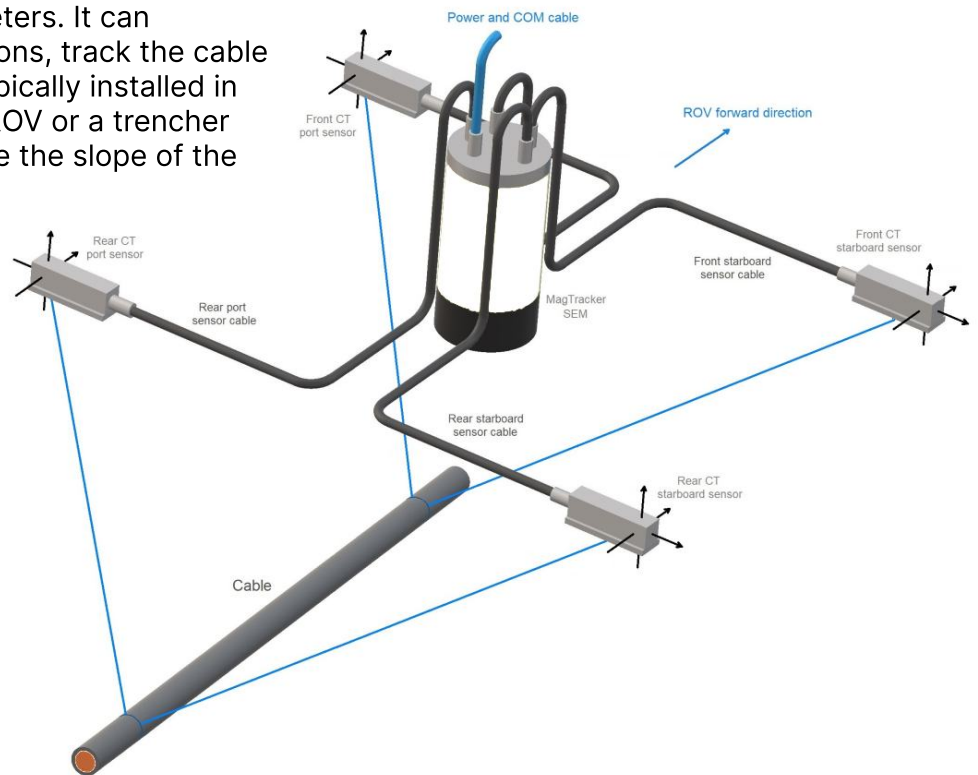


Magtrack 415

Subsea Cable Tracking System

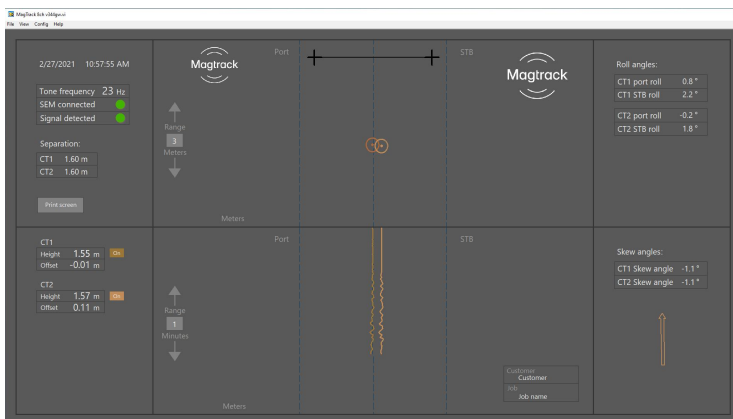
The MagTrack is a cable tracker system with 4 small sensors which integrate 3-axis fluxgate magnetometers and inclinometers. It can accurately detect cable positions, track the cable and show burial depth. It is typically installed in front of and in the rear of an ROV or a trencher which allows to also determine the slope of the cable.

The subsea electronics module (SEM) is the hub where pre-processing of the sensor data takes place. Raw and pre-processed data are transferred from the ROV to the surface vessel. The Magtrack data can be processed further in a survey system together with other relevant information.



Software

The Magtrack software is intuitive and user-friendly. It has been thoroughly tested on several sea cables and has proven extremely linear.



The figure above shows positioning of a cable in front and behind an ROV.

BENEFITS

- Centimetric relative positioning and accurate 3D cable position
- Precise cable fault pinpointing
- Roll/pitch compensated sensors
- Well known data formats
- Low power consumption
- Compact and light weight
- User friendly

Technical Specifications

System Performance

Detection range

- Cable detected at vertical range more than 10 meters (dependent on signal strength)
- The greater of 4cm or 4% slant range. Stated accuracy applies within the quality envelope of 4m. (Results measured on a cable carrying 25Hz tone frequency at 2A current)

Sensors

- Magnetometer: 3 axis fluxgate
- Resolution: 2nT single instrument
- Inclinator: MEMS resolution +/- 0,1deg
- Material: Titanium
- Dimensions: 200mm (l) x 66mm (w) x 46mm (h)
- Weight: 1,4kg in air / 1 kg in water

Subsea electronics module (SEM)

- Power supply: 18-72 volt DC
- Power consumption: <25W
- Communication: Ethernet
- Dimensions: 208mm (Ø) x 425mm (h)
- Weight: 12,5kg in air / 0,9 kg in water
- Material: Titanium & Carbon fiber
- Nitrogen filled



Depth Ratings:

- 1500msw

Warranty:

- 12 months warranty including parts and labour

In the box:



- Software
- Instruction Manual
- Service kit
- Peli™ case



4 x Magnetometer sensors (incl. inclinometers)



Cable set:

- 4 sensor to SEM cables
- 1 Power/Coms pigtail



1 Subsea Electronics Module