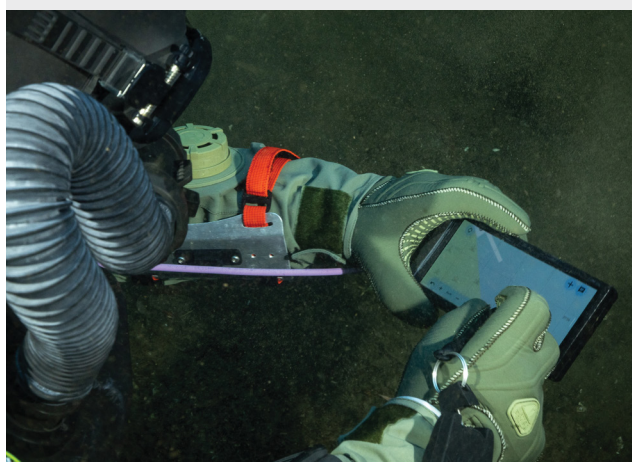




DIVER NAVIGATION SYSTEM

ACOUSTIC COMMUNICATION AND TRACKING



Diver consoles enable diver-to-diver communication with position tracking and short messages exchange.

This efficient communication and tracking system for divers builds on an EvoLogics S2C underwater data network. It also integrates USBL (ultra-short baseline) positioning.

A diver tracking buoy with built-in GNSS and WiFi provides a bidirectional link from land or a support vessel to divers equipped with lightweight trackers based on compact EvoLogics 18/34 modems.

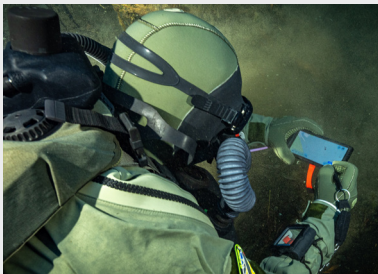


Scooter version



Tank mount version

SYSTEM COMPONENTS



Diver console



Communication and positioning buoy



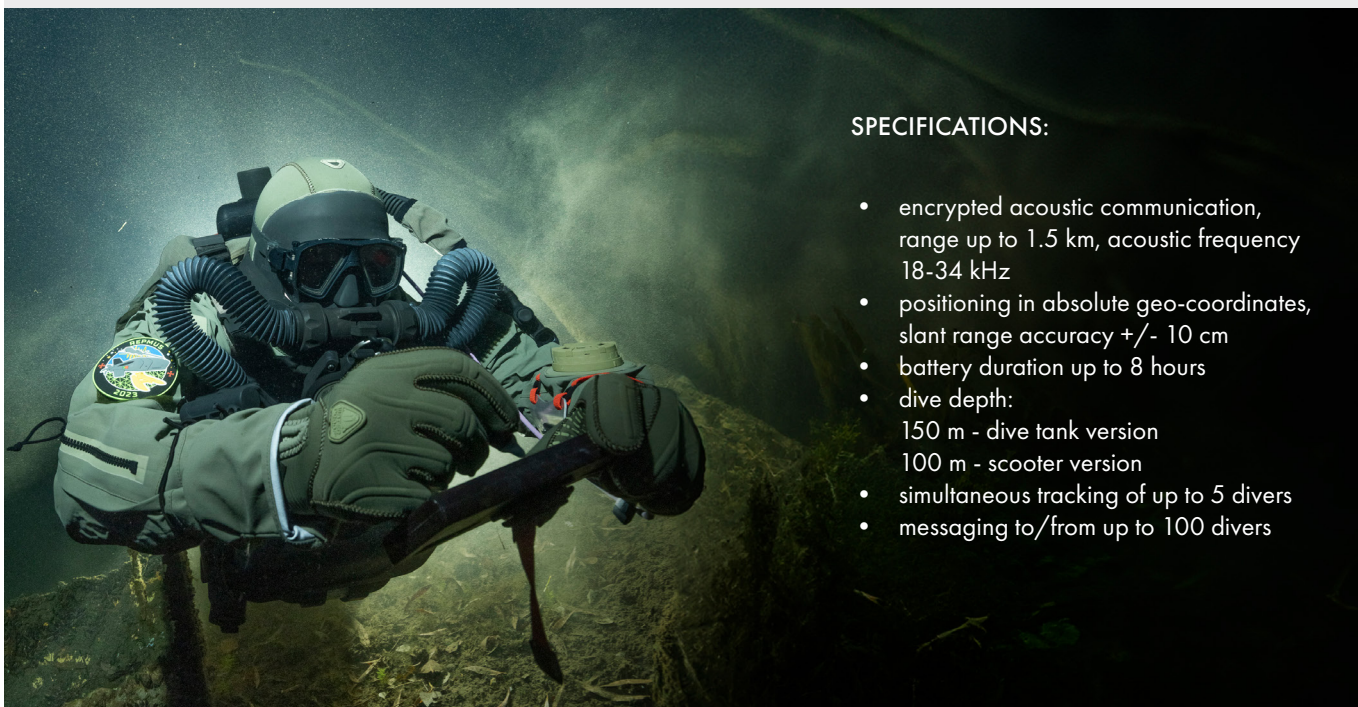
Diver modem unit



Surface station

SYSTEM CAPABILITIES

- Surface team can track divers, monitor their positions, send messages, and define/change waypoints
- Divers can see their own positions and the position of the team members on a visual map
- Divers can set and receive waypoints and points of interest and share with all team members
- Locations can be marked in absolute geo-coordinates for later use and/or vehicle deployment
- Divers can communicate with each other and with the surface team



SPECIFICATIONS:

- encrypted acoustic communication, range up to 1.5 km, acoustic frequency 18-34 kHz
- positioning in absolute geo-coordinates, slant range accuracy +/- 10 cm
- battery duration up to 8 hours
- dive depth:
 - 150 m - dive tank version
 - 100 m - scooter version
- simultaneous tracking of up to 5 divers
- messaging to/from up to 100 divers