ROVITEC

ROVITEC PRODUCT DOCUMENT

DISTRIBUTION COPY

Diver navigation and tracking - March 2024

EvoLogics

Distributed by ROVITEC AS

rovitec.no

Document type: datasheet

Reviewed: 2026-09-15

The original producer pages follow unchanged.

ROVITEC distributes this document for product information. Technical specifications remain the producer's.

Original source reference:

https://www.buviscandinavia.com/s/Diver-Navigation-Tracking-BUVI-Scandinavia-web.pdf

Evo Logics

ROVITEC



DIVER TRACKING

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 base-line) 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.

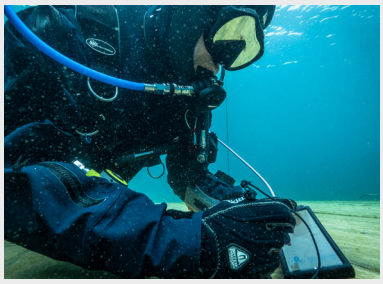


Specifications subject to change without notice. © EvoLogics GmbH - March 2024

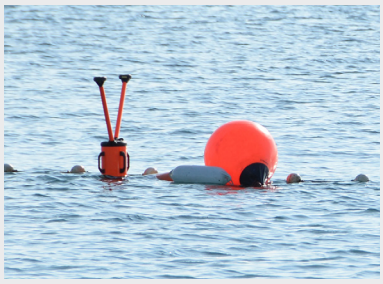
roy@rovitec.no

https://rovitec.no

SYSTEM COMPONENTS



Diver console



Communication and positioning buoy



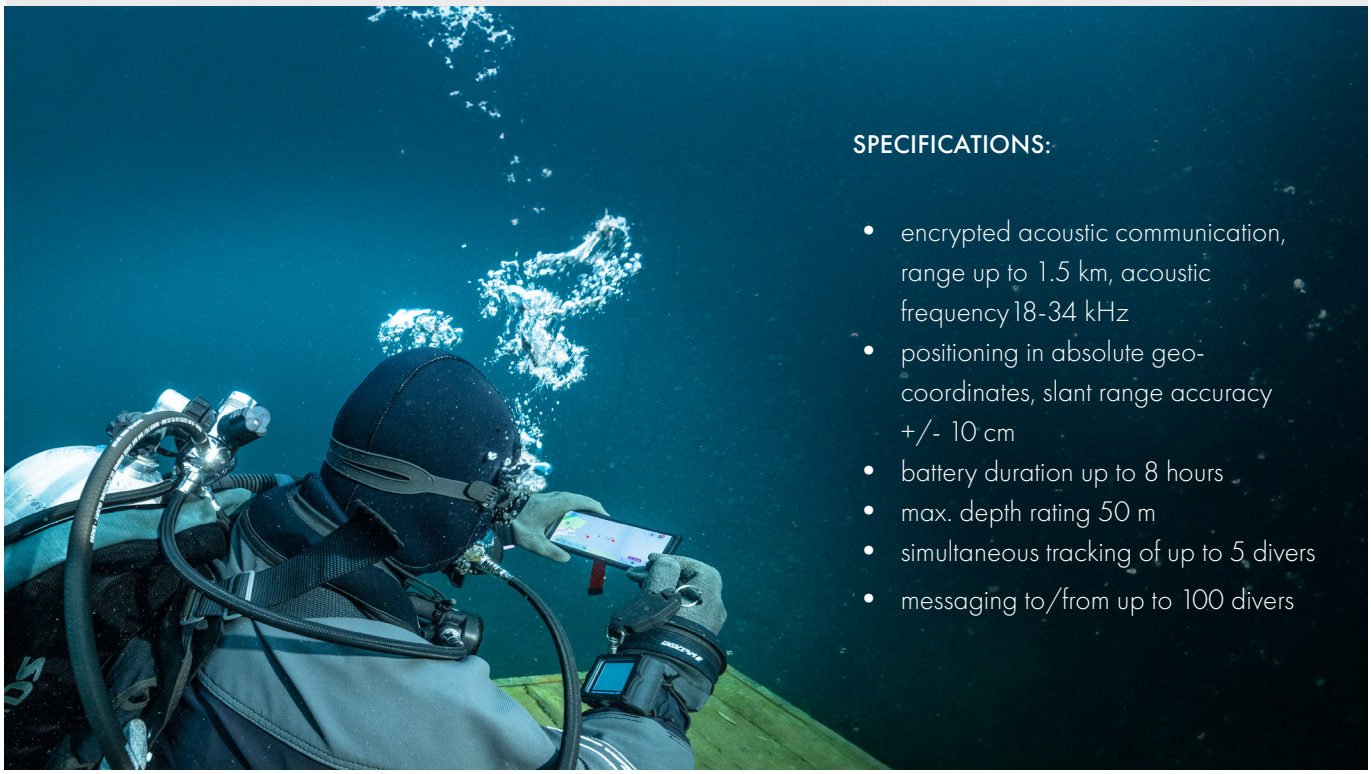
Diver modem unit



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
- max. depth rating 50 m
- simultaneous tracking of up to 5 divers
- messaging to/from up to 100 divers

Specifications subject to change without notice. © EvoLogics GmbH - March 2024

roy@rovitec.no