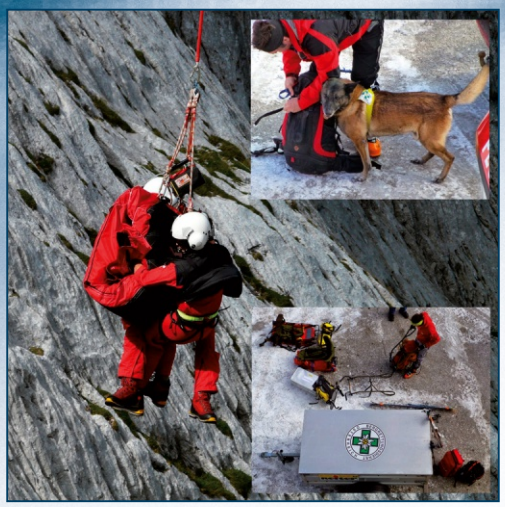
OHB DIGITAL



SARONTAR

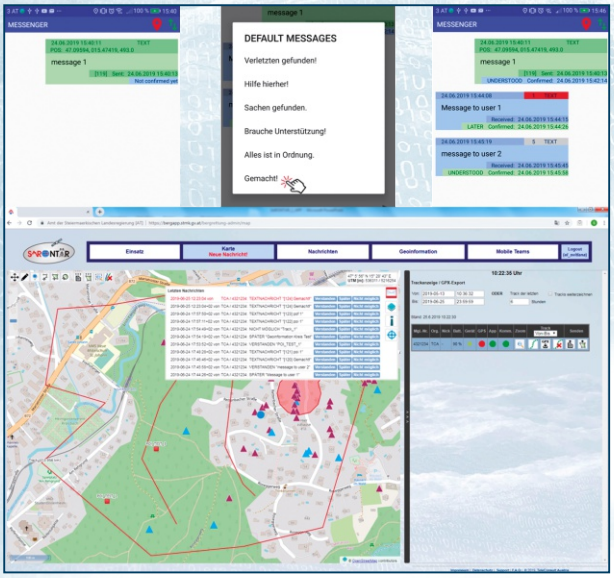
Search & Rescue in wilderness environments

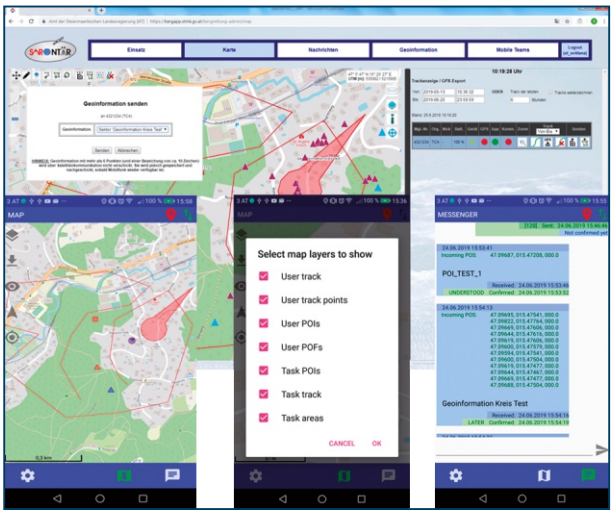
OHB Digital Solutions GmbH operates with **SARONTAR** a system with live team tracking for an effective and coordinated approach in Search and Rescue operations in wilderness environments.

All position data, received messages and warnings are processed by **SARONTAR**. This consolidated information is graphically presented on the mobile devices and the Mission Control Centre.

SARONTAR

Search & Rescue in wilderness environments





In the case of natural disasters (avalanches, landslides, flooding) or accidents in wilderness environments, the race against time is of essence. The affected persons should be provided with the necessary assistance as quickly and efficiently as possible. With **SARONTAR**, the focus is placed on exactly this fact: the rapid and coordinated organization support for emergencies in wilderness environments. The availability of a complete system significantly shortens the time required to rescue casualties, thereby significantly improving their chance of survival.
With the help of satellite-based positioning and communication, SAR teams at remote locations are coordinated by a central SAR Control Centre to support the tasks of rescue workers with position-dependent information. To support these forces, geoinformation, remote sensing and communication techniques are used. As a satellite-based control system, **SARONTAR** can provide this support by improving the awareness of the situation and the coordination of the rescue forces.

The technical realization of **SARONTAR** is based on the integration of satellite-based positioning, navigation, geoinformation and communication.
SARONTAR is fully operational at the department of civil protection in Styria, Austria.

Mobile devices for the rescue teams

- Smartphones with Android App
- SatCom Messenger
- TETRA radios (BOS Austria Digital radio network)

Mobile device functionality

- Automatic and regular transmission of the location
- Exchange of messages with the control centre (text, POIs, locations, etc.)
- Map view with sent/received geoinformation
- Offline maps (e.g. OpenStreetMap)

Mission Control Centre

- Web Portal
- SatCom Router (optional) for internet access in remote areas

Mission Control Centre functionality

- Management of SAR operations
- Collection and forwarding of initial information
- Allocation of mobile devices
- Map view of all relevant geo-information and current locations of the mobile forces (OeK, basemap, OpenStreetMap)
- Message Exchange between the mobile devices (including search areas and routes)
- Export of the entire search and rescue operation documentation

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