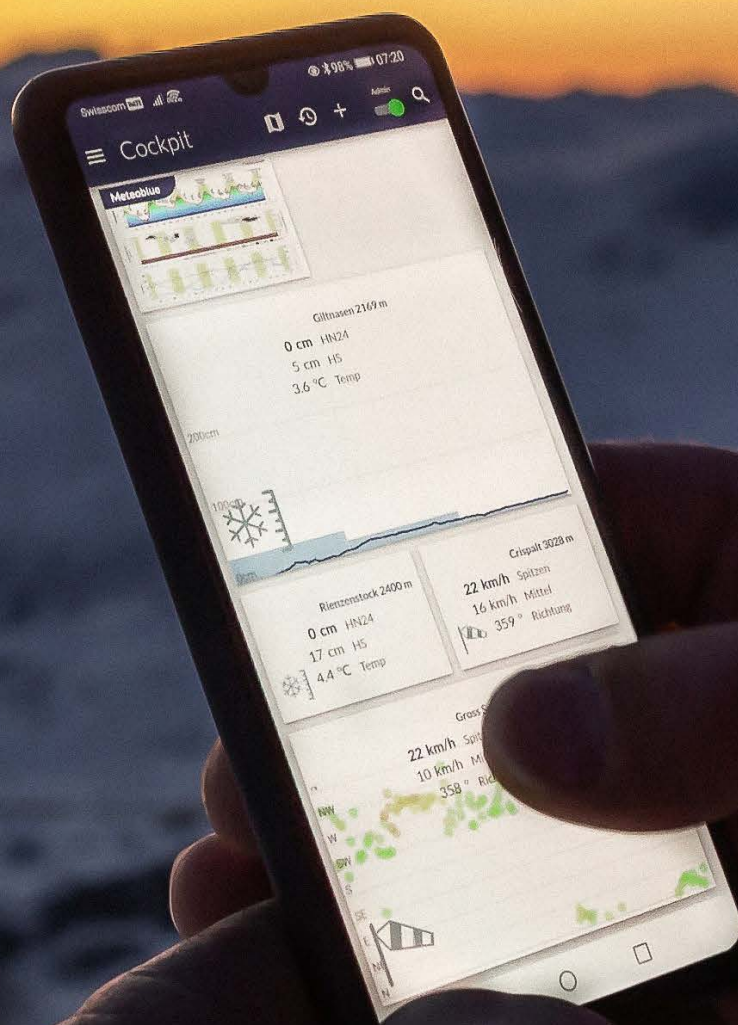


Wyssen Reference Project

SkiArena Andermatt-Sedrun: Integration of the daily operation of the Patrol and Rescue Service into WAC.3®



Safety through **innovation**

WYSSSEN *avalanche*
switzerland **control**



SkiArena Andermatt-Sedrun - Integration of the daily operation of the Patrol and Rescue Service into online platform WAC.3®

Project:	Avalanche Control Center of the SkiArena Andermatt-Sedrun Integration of the daily operation of the Patrol and Rescue Service into online platform, WAC.3®
Place:	Andermatt, UR
Country:	Switzerland
Year:	2020 / 2021
Customer:	Andermatt-Sedrun Sport AG
Protected Object:	SkiArena Andermatt-Sedrun (ski resort)
Installed systems:	- WAC.3® Cockpit, RiskEval, ExploDoc - 3 Wyssen Avalanche Towers LS12-5 <i>(available from previous projects)</i>



Initial Situation

Various safety concepts, explosives management systems, SLF reports, explosives storage depots and purchase certificates, etc. have been used in the SkiArena Andermatt-Sedrun. Many different types of information have to be retrieved from various platforms and tools and then promptly classified, assessed and documented.

The aim of the project is to collect all available data, prepare it with the core team of Andermatt-Sedrun Sport AG's Patrol and Rescue Service and map it digitally in such a way that all relevant processes in the Patrol and Rescue Service can always be recorded and documented as up-to-date, easily accessible and comprehensible information.

Our solution: Integration of internal processes

Safe and fast documentation of day-to-day operations in the Patrol and Rescue Service that meets the internal and legal documentation obligations of the company. The following steps to integrate the internal processes have already been implemented:

Cockpit

- Individual information platform with internal and external sources in the cockpit, e.g. weather data, avalanche reports, webcams
- Communication within the team via the journal
- Digitalization of daily operations in the cockpit: Documentation of slope inspections, accidents, avalanche observations, detonation logs, pending tasks in the Patrol and Rescue Service, events etc.

Cockpit (map)

- Reproduction of the area information on a digital map, including all known avalanche starting zones and remote blasting systems
- Documentation of detonations and avalanche mapping on the digital map, as well as other observations

RiskEval

- Digital reproduction of the prepared situation assessment in RiskEval
- Documentation of situation analysis, decision-making and action planning for avalanche protection
- Communication to third parties via an automatically generated information email with extracts of the decisions made

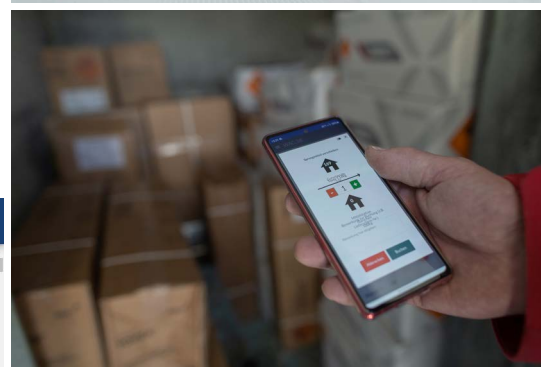
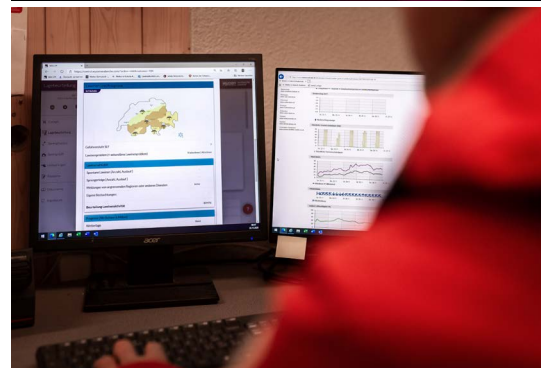
ExploDoc

- Reproduction of the accounting for explosives in ExploDoc: Intuitive booking processes that account for the input, transfer and removal of explosives as well as their usage
- A log of all actions is generated automatically

The project in Andermatt-Sedrun is the first project to fully digitize the work of the Patrol and Rescue Service in the ski area via the WAC.3® platform.

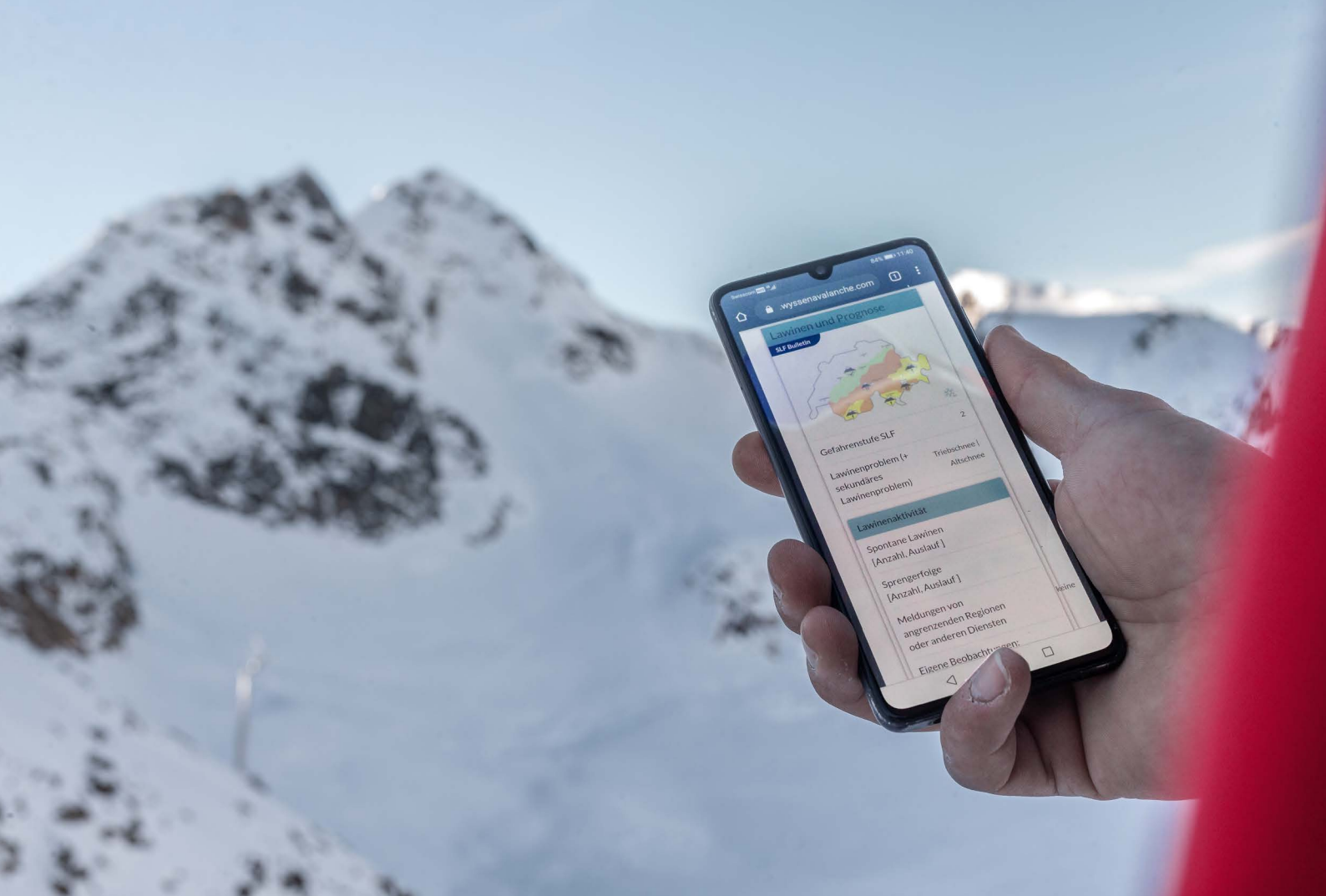
Map view and journal in the WAC.3® platform:

The screenshot displays the WAC.3 platform interface. On the left, a map view shows a topographic map of the Andermatt-Sedrun area with various colored zones and markers. A search bar at the top left contains the text 'Notizen suchen'. On the right, a journal view shows a list of entries with details such as 'BB Sprengeprotokoll', 'JF Björn Tal, Jonas Lutersee', and 'NR Björn, Jonas, Nina Stürmisch'. The interface includes navigation icons and a search bar.



Future

A further expansion of the modules and integration is planned. This includes mobile tracking of blasting operations in the area and further interfaces to external data sources as well as a version of cockpit with information specifically for management.



A Project of:

Wyssen Avalanche Control AG

3713 Reichenbach
Switzerland
Tel.: +41 33 676 76 76
avalanche@wyssen.com
www.wyssenavalanche.com

Walter Steinkogler

Tel.: +41 76 271 88 58
walter@wyssen.com



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