

Blue Screen Switzerland: A monitoring platform for Swiss healthcare

PROJECT DETAILS

Industry: Federal Administration

Users: BSS can be used on 3 levels

- Hospitals / Nursing homes / 144
- Cantonal Medical Officer, Cantonal Joint Staff
- KSD / SANKO – Federal staff

Team: 6 members, Project Manager, Requirements Engineer, Scrum Master and Software Developer

Development period:

- 06/2018 – 08/2018: Iterative conception
- 08/2018 – 11/2018: Implementation of the application

PRODUCTS / TECHNOLOGIES

- Cloud Foundry
- Spring
- Angular JS
- Docker

The Coordinated Sanitary Service developed with mimacom the tool Blue Screen Switzerland to have realtime picture of the “blue medical care situation” at all times.



The monitoring platform reflects the current situation of the Swiss health care system and supports the responsible authorities such as cantonal doctors, the federal government, and blue-light organizations in extraordinary situations with transparent information to improve the quality of their decisions. This Coordinated Medical Service, called KSD, commissioned mimacom to develop Blue Screen Switzerland, a tool to monitor the “blue supply situation” in Switzerland. Hospitals, homes, and other institutions can easily record their current resource situation in Blue Screen Switzerland using a survey tool. The data

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Blue Screen Switzerland enables us, as the Coordinated Medical Service KSD, to take on responsibility for our core task. With mimacom we found an agile partner who helps us to successfully realize our plans and to carry out the project, based on the latest technologies.

Sandra Racine, Project Manager, KSD



For the best possible medical care of all patients in all situations.

collected includes medical parameters such as capacity for treatment and logistical parameters, which include information on the autonomy of care and demand reports. In Blue Screen Switzerland, the KSD has a reliable and comprehensive source of data for unexpected or extraordinary situations, which provides key information on the current “blue supply situation” in a timely manner and nationwide.

The responsible cantonal doctors can gain an overview in their area of responsibility at any time. A comprehensive analysis tool enables the information to be displayed in assorted colors in tables, diagrams, or classic graphics. In an extraordinary situation, the information on the “blue supply situation” flows into situation assessments on a tactical, operational, and strategic level. This simplifies the interpretation of data and improves the quality of the decisions made by the responsible authorities.

Success factors→

A combination of being close to customers and nearshoring

An agile approach according to Scrum proved itself in the project. Project management, requirements engineering, software architecture and user experience (UX) were provided by a local Swiss team. The direct on-site exchange in the customer’s native language and the personal relationship enabled optimal communication and thus

supported the success of the project. In order to consider the limited budget and the tight time horizon, mimacom worked with its own nearshoring team in Slovakia for the development. Due to the long experience and expertise of the project managers, architects and UX-specialists in their fields of expertise in Agile Scrum and in the cooperation with the nearshoring team, mimacom achieved an optimum in terms of costs, time and quality in the project Blue Screen Switzerland for the KSD.

Test in an emergency: passed!

In the pandemic situation prevailing in 2020, Blue Screen Switzerland was able to prove its effectiveness in an emergency: Blue Screen Switzerland, a tool used by hospitals to report their capacities, provided a nationwide overview of available IPS places for the ventilation of people seriously ill with Covid-19. This emergency case highlighted the importance of technological interfaces in the healthcare sector.



Screenshot Blue Screen Switzerland

Conclusion → Blue Screen Switzerland provides a real-time picture of the “blue medical care situation” at all times. The platform thus brings emergency organizations and partners closer together, improves their cooperation, increases effectiveness and efficiency, and enables a concrete and real-time picture of the situation. This is particularly important in emergency situations: Blue light organizations, the federal government and the cantons can thus be provided with reliable, real-time data on healthcare in Switzerland, enabling them to make an exact diagnosis of the situation.