

[REFERENCE CASE]

Projekt: KSI 457

Kunde: Federation and cantons



KSI 457

REHABILITATION OF THE SWISS SIREN REMOTE CONTROL SYSTEM

UP TO DATE, IN CASE OF A DISASTER OR IN EXTRAORDINARY SITUATIONS THE AUTHORITIES OF THE CANTONS COULD ONLY TRIGGER THE ALARMS OF THE SIRENS WITHIN THEIR OWN TERRITORY. CONSEQUENTLY IT WAS NOT POSSIBLE TO MAKE SURE TO REACT IN TIME AND EFFICIENTLY IN CASE OF AN ALARM EVENT. THE NEED TO ENFORCE AND TO UPDATE THE SIREN ALARMING SYSTEM WAS AN URGENT TASK TO BE COMPLETED. THE AIM OF THE PROJECT WAS TO PROVIDE TWO COMMAND AND CONTROL CENTERS IN EACH CANTON IN ORDER TO COMMAND AND CONTROL ALL SIRENS OF THE RESPECTIVE CANTON.

ASCOM AND THE «FEDERAL OFFICE FOR POPULATION PROTECTION AND DISASTER RELIEF» HAVE IN A CLOSE COOPERATION WITH SWISSCOM DEVELOPED THE SOLUTION COMMAND AND CONTROL CENTER KSI 457.

SOLUTION KSI 457

The **command and control center KSI 457** is based on the Ascom open TAS platform. It is a PC based application provided with an INFRANET network interface to access the decentralized **SFI 457**, the siren remote control units.

With this solution the sirens can be triggered individually, or according pre-defined alarming scenario arrangements. The issue of an alarm can be restricted to single sirens, specified regions or even nationwide, depending on the need of the alarm reason and classification of the danger of the population.

The siren data administration will be performed on a MSI 457 administration workstation. The administrators have to define groups of sirens according regional layouts. It defines the sirens to be evoked by the depression of the central alarm buttons in case of an alarm.

CUSTOMER BENEFIT

Improved security because of

- faster and more purposeful triggering of siren alarms
- using the INFRANET as secured alarm transmission network
- permanent supervision and status control of the siren remote control system.

Cost saving because of

- no need for leased lines
- less need of command and control equipment
- integration of existing SFI 457 siren remote control units already installed.

Simple operation because of

- clearly designed control panels for easy handling
- pre-defined dispositions available
- quick establishing of spontaneously required alerting areas.

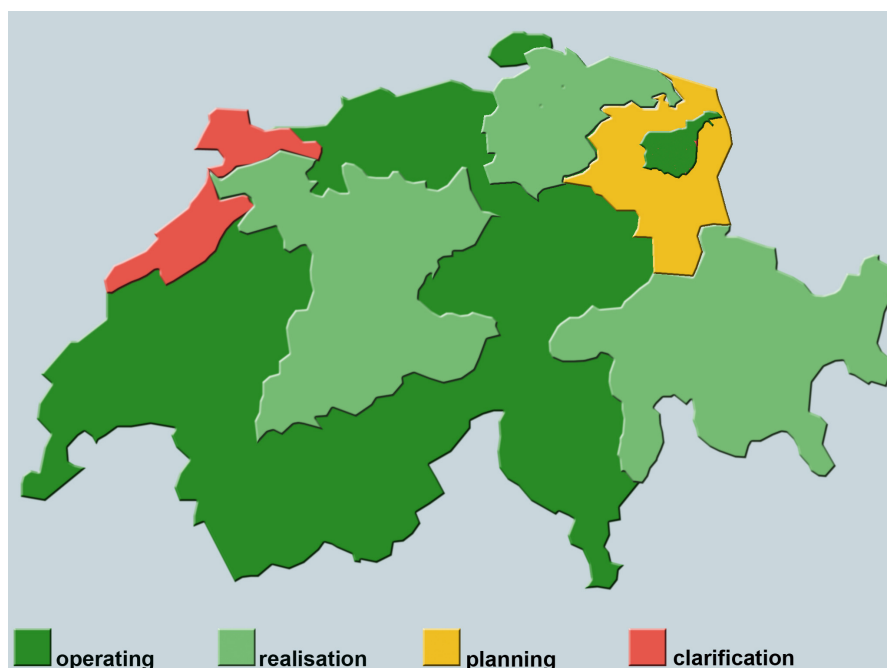
EXPANSION SITUATION BY 2010

A great deal of progress has been achieved in the last three years with connecting the stationary sirens to the remote control system SFI 457, with the first cantons completing the link-up as early as 2000.

By the end of 2003 only a quarter of stationary sirens were connected to the SFI 457; by the end of 2004 40% were online, with 54% connected one year later.

By early 2007 70% of stationary sirens could be activated from a central location, rising to over 80% by the end of 2007.

As the planning stands, three cantons will still not be connected (or fully connected) to the SFI 457 by the end of 2008. The aim is to ensure that all stationary sirens can be remote controlled by the end of 2010.



State of the realisation januar 2007