



## A Successful Project for **Swisscom**

With IGW, AartesyS implemented a system for Swisscom Operations that has set new standards. The project was successfully completed in an extremely demanding environment with high security requirements. The task to be solved: monitoring of building infrastructures.

### IGW – Infrastructure Gateway

The team was faced with a complex initial situation: The monitoring of the infrastructure of around 1000 buildings by Swisscom Operations presented a significant challenge for the Swiss ICT provider. Among other requirements, the system had to be capable of reporting failures of the power supply or of ventilation systems, triggering an alarm in the event of water ingress, and monitoring building management installations. For these tasks, Swisscom had used Infranet, a system that sends the data to a control centre for processing. This structure had reached the end of its life-cycle and had to be replaced.



## Wanted: An intelligent solution

The challenge consisted in ensuring communication of the new system via BNN, which is the core network used by Swisscom for controlling all network infrastructure elements. Security and absolute stability are paramount in this regard since any failure would have far-reaching consequences.

## Aartesys provides the solution

Aartesys could convince Swisscom with a perfectly tailored package. As a plus, the company came with excellent references, some of which even from Swisscom-own projects. And, as the Aartesys crew proudly pointed out, they had never failed a project.

The presented philosophy for operating the required systems was based on broad experience. Aartesys could credibly demonstrate that around three quarters of the required technology was already available – and could easily be upgraded. Moreover, diverse Aartesys systems were already communicating via the BNN network.

## An innovative system

The system that has been implemented is called IGW and is based on the tried-and-tested EasyGateway® technology, which was adapted for the specific project. As a starting point, it was possible to work with a well-established setting, which is also being used for metering at key customers of the Bern-based energy company BKW, among others. Here, the gateways are controlled by the tried-and-tested AMIRA management system.

The devices are extremely easy to install by a technician on site; the rest is done by the system management itself.



Add to this the fact that the gateways themselves are very intelligent, and therefore extremely failure-tolerant, meaning that “they always land on their feet, so to say,, as Martin von Känel, CEO at Aartesys explains. Not only does the system offer enormous simplification and efficiency increase in the process, but “Swisscom also gets alarms of a superior quality which could not have been implemented in this form before,, Känel emphasizes; as a result, the ROI of this projects is very high.

## Next steps

A continuation of the project is already in progress. The infrastructure on site, namely programmable logic controllers, is currently being replaced. Previously, individual alarms were combined by these PLCs and forwarded as logically linked criteria in the form of collective alarms.

“These devices are now obsolete as our gateways can take over their functions as an additional task; which can even be programmed centrally or on site,, von Känel points out, “an additional benefit,,

## A satisfied customer



Michael Eitel  
INI-ON-GIM-EPJ

Michael Eitel, technically responsible for the project at Swisscom, is very pleased. “Aartesys presented us with a perfectly tailored package, which only needed some fine tuning,, he says. “We were soon convinced that the company was capable of delivering reliable work in such a demanding area,, They quickly established a true partnership. “It is true that Aartesys products are not cheap,, Eitel continues, “however, there are no subsequent demands, no discussions on hours spent on the project. And whenever there is problem, they are available no matter what day or what time. You can rely on Aartesys also as far as maintenance and support are concerned, and this approach will protect our investment in the long term.,,