

TGNet – multifaceted and compact.



The IT Office (Amt für Informatik, Afi) in the canton of Thurgau is responsible for the reliable networking of more than 6 000 cantonal workplaces. The redesign of the cantonal communications network, TGNet, meets these increasing demands.

«Swisscom offers truly personalised services.»

Andreas Fritschi,
manager of the IT Office
in the canton of Thurgau

**Initial situation:
complex and challenging.**

The IT Office formulated its requirements for the new network solution as follows:

- The computer centre was to be relocated to Weinfelden and, as part of this project, the computer centre building block needed to be redefined and separated from the fibre-optic back-bone.
- The Frauenfeld subnetwork was to be made smaller or segmented.
- Various logical networks and classes of service needed to be supported; VoIP, multicast and eGov capability was required.
- Networks were to be connected separately, e.g. for those of Spital Thurgau AG, the cantonal police, the canton and the municipalities.

**The solution:
highly efficient and exemplary.**

The entire network was restructured and constructed using building blocks. Each of these blocks performs a partic-

ular function – e.g. as a firewall or access switch – independently of other blocks. The Core module involves the logical separation of the various networks and terminates the canton-wide connections. For the connection to the computer centre, two redundant 10-gigabit lines were installed. The Distribution module structures the Frauenfeld campus and has a powerful connection to the Core module. The Server module implements the high-availability connection from the Citrix server farm to the Frauenfeld campus, and from there to TGNet. The two Catalyst 6509 products in the computer centre have both firewall and content switching modules. They control access to the server and ensure that load is distributed in the optimum way.

Convincing: the customer benefits.

Thanks to its collaboration with Swisscom, the IT Office now owns one of the most modern and powerful networks in the country. Its structure distributes risks to small units, therefore guaranteeing maximum security. As a result, the IT Office can specifically test new applications and processes without having a detrimental effect on or endangering the functionality of the network. Other positive features for the IT Office include the cost-effectiveness, large bandwidth and simplified maintenance of the new TGNet.

Our solution partner:



Further information can be found at
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