

Reference report

A new server infrastructure for the University Hospital in Bonn

University Hospital Bonn – centre for information and management



The centre for information and management (ZIS) chose tde – trans data elektronik GmbH's cable system tML® for the expansion of the server infrastructure at the University Hospital Bonn.

Im Jahr 2008/2009 beschloss das Universitätsklinikum Bonn In 2008/2009 the University Hospital Bonn decided to renew and expand the active and passive network infrastructure. The clinic agreed on an appropriate expansion and a future oriented upgrade of the existing network. In every organisation in general and in research institutions in particular a data transmission system is required which guarantees absolute stability and maximal performance. tde expanded the data centre by installing more server mounts and the appropriate network infrastructure. The aim was to provide a solution with the latest technologies, which had to meet the quality requirements of the University Hospital while at the same time saving space in the already well staffed data centre.

RSE-Elektrotechnik Reiner Schüller implemented the installation of the new and comprehensive system and suggested tde – trans data elektronik's modular cable system tML®. After seriously pondering and examining various systems at hand the clinic agreed on the installation of this diverse modular system.

This flexible and compact cable system comprises three main components, namely module, trunk cable and module slot units and is extensively ready-made. This not only makes it easy to install the system, but also renders it resource efficient and energy saving as well as scalable to a transfer rate up to 100GbE.

The tML module slot units in the eight new server mounts were fitted with Twisted Pair Modules Type Telco/6*RJ 45, fibre optic Modules MPO/6*LC-Duplex 50/125, TP trunk cables and fibre optic patch cable. The ready-made components merely had to be connected without any splicing or hanging up. Due to a meticulous documentation of the network topology, other electricians or the clients themselves can easily find their way around the new cable system. "In the case of emergency RSE can always provide the right modules. Whenever a module with a different component mounting technology has to be fitted or exchanged, we can implement the module within one hour and so prevent longer network downtime," explains Meinhard Neugebauer, deputy manager at the centre for information and management, University Hospital Bonn.