

CASE STUDY

555 LINKS FOR THE AKB

The Aargauische Kantonalbank uses a modern communications network by Datwyler in its new administrative headquarters at Aarau Central Station.



In the middle of June 2011 the Aargauische Kantonalbank AKB (Aargau Cantonal Bank) centralised the bulk of its back office jobs, previously spread over several local sites. In the new station building, constructed by Swiss Federal Railways (SBB) and inaugurated in October 2010, employees enjoy ultra-modern workstations on 3000 square metres of floor space. These include individually height-adjustable desks, an innovative cooling ceiling, sound-absorbent ceiling panels and a modern, high-performance communications infrastructure. The latter comes from a single source - Datwyler.

10-Gigabit ready

The financial services provider entrusted the electrical planning to the Zurich firm of Hefti.Hess.Martignoni (HHM), which has a branch in Aarau. The requirement was for a Class EA universal communications cabling system conforming to the current ISO/IEC Standard, which could transmit all their applications at data rates of up to 10 gigabits per second (10 Gbit/s).

Walter Jlli, the planner responsible, recommended a Datwyler cabling system which was installed by Kurt Lüscher AG of Aarau, starting in October 2010.

The new communication cabling comprises 555 links and connects all the office work stations in AKB administrative headquarters with a central plant room. For security reasons the backbone connections are of redundant design: fibre

optic cables and copper cables are sent in parallel to two large sub-distributors in the office complex. On the individual floors Category 7 cables and Datwyler's new Category 6A connection technology are used for trouble-free data, voice and power transmission (Power over Ethernet, PoE).

Roland Meier, the installation contractor, and his team have fitted 22 kilometres of Uninet 7702 shielded cable and over 1000 MS connection modules inside the hollow floor.

High future viability

A special feature of the modern communication infrastructure is high investment security as regards future changes of use. Contributing to this is Datwyler's 20 year system guarantee as well as the mini-tubes laid parallel to the data cables into the office area. Should the AKB ever need higher transmission rates, thin fiber optic cables can be blown into these mini-tubes to implement integrated Fiber-to-the-Desk (FTTD) cabling.

Both installation and start-up went off smoothly, thanks to the high quality and ease of installation of the material used, careful work by the installers and good coordination between all those involved. The new infrastructure was handed over to the AKB on time.

(October 2011)

