

CASE STUDY

FLEXIBLE COMMUNICATION AT I-NEW HEAD OFFICE IN MATTERSBURG

At the company headquarters of this internationally successful software developer in the Austrian province of Burgenland Datwyler installed a network combining the advantages of a high-performance cabling system with those of a Wireless LAN.

I-New Unified Mobile Solutions AG is one of the world's leading providers of mobile virtual networks and a renowned software development company with clients around the globe. The company, based in the Austrian town of Mattersburg, employs a workforce of 120 and in 2013 generated a turnover of 4.2 million euros. The firm owes its global success to a unique all-in-one platform which enables virtual mobile network operators without their own network to establish systems with customised services and flexible solutions on a market within a few months.

I-New celebrated its tenth anniversary on 27th August 2014. The same occasion marked the official opening of the new head office in Mattersburg. The present I-New Building was completely refurbished between September 2013 and July 2014 and supplemented by a large extension of environmentally friendly timber construction. This gave I-New more space and created better technical conditions for the rapidly growing workforce, investing in future company growth and at the same time adding to its prestige value.

A one-stop solution

Both the new communications network in the extension and server room and the radio network throughout the building were provided by Datwyler's Vienna office. Datwyler acted as prime contractor for this project and was responsible for its complete implementation, from initial assessment and planning through evaluation and installation to acceptance testing, documentation and maintenance. Following successful acceptance testing I-New received a 25-year system warranty from Datwyler.



The network installed by Datwyler consists mainly of type CU 7702 4P copper data cables and KS-T Plus RJ45 modules. The combination of Category 7_A cables and Category 6_A connecting technology allows the software developers to tap into extremely high bandwidth reserves for fast, secure data exchange – with transmission speeds of up to 10 gigabits per second.

The cables in the offices are routed in the raised floor and terminate in floor sockets near the workstations. Some were also laid in runs in the suspended ceilings for convenient connection of the radio arrays.

Combined with WLAN

After taking thorough measurement Datwyler installed six Xirrus WiFi arrays in the I-New Building. These are characterised by above-average range, coverage and bandwidth compared with traditional Wireless LAN solutions. Thanks to the large conductor diameter of the data cables (AWG22) the



powerful arrays can be supplied with power via the communications network (PoE Plus). Datwyler incorporated XMS Management Software in the internal I-New network, so today all the arrays in the building – and in future those at other sites as well – can be centrally controlled.

The radio network is a practical complement to the wired network. In combination with flexible connectivity in the

offices, the installation allows both staff and visitors to the I-New Building unlimited flexibility in communications.

Quick installation

A new server room was created as part of the refurbishment. This not only guarantees the security and availability of data and applications but, with its coloured LED lighting behind two large glass walls, is also an impressive sight.

The servers are connected to the central distribution rack by over 144 copper wires routed through the raised floors. As Datwyler was working with trunk cables with preassembled connectors, installation was easy, neat and, above all, fast.

“We wanted a high-performance, future-proof installation for our head office. And that is precisely what we got from Datwyler – without fail and on time,” says Peter Zimmerl, CTO at I-New.

(March 2015)