



# FTTH Fit to Measure

**Zollikon is a traditional community over one thousand years old and has a privileged location on the shores of Lake Zurich. People here value quality and performance, also with respect to broadband services. The magic word is FTTH – Fiber To The Home. R&M created a customized FTTH central office for expanding the local fiber optic network.**



decided to equip 6000 apartments and single-family homes successively with FTTH and enable open access for various providers. In this project, R+F Netz Zollikon is cooperating closely with the local communication firm Instakom AG, which is handling the planning.

*Left: SCM-SE splicing tray for 24 fibers.*

*Right: ODF cabinet system featuring three combination modules equipped with 144 x E-2000™\* duplex.*

*\* E-2000™ manufactured under license from Diamond SA, Losone*

The challenge was to set up an initial FTTH central office in a minimum amount of space. What was needed was a fiber management solution that could easily handle the growing quantities of fiber optic cables in an uncluttered and reliable way. Top quality and simple installation were two further criteria the system had to meet. Several of the bids R+F Netz solicited were not convincing in terms of quality and flexibility. It was not until R&M entered the picture that R+F Netz found a firm with the desired experience and a customized, modular solution to satisfy all requirements.

The pilot project began in 2010 and ran successfully. Instakom Managing Director Roman Frank: "We cooperated in a genuine spirit of partnership. It was a project in which everyone involved provided each other with mutual support." ■

Zollikon is a town of fine homes and luxurious residential developments. Fiber optic services are naturally part of the quality of life there. Community leaders are well aware of that fact. Local real estate firms cite these fiber connections as a selling point for apartments. Local electricians are also clued in and geared to this trend.

Demand for ultra-broadband service is expected to increase further. R+F Netz Zollikon, a cooperative that operates a local cable TV and telecommunication network, wanted to act in accordance with this market situation. It therefore

### Perfect solution for Zollikon

The solution is based on an optical distribution frame (ODF) equipped with a single circuit management system (SCM). R&M promptly adapted the ODF cabinets to the special spatial conditions, thus allowing the FTTH central office to be installed easily into a subterranean garage only two meters high.



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