The "quickest" tower in Vienna

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High-speed Internet, voice telephony and video on demand from the data outlet: A Viennese business builds an apartment and office building with a model impact. The latest reference project is a fully networked high-rise building with more than 200 apartments.

Established telecommunication providers, such as the ex-monopolist Telekom Austria, should watch out: The young company, CyberTown, makes the direct connection of apartment and office buildings to their company's own fiber optic network possible and combines this with a Cat. 5e Gigabit data line in the building. All services – data, voice and video – are digitally supplied. The connection to the Internet takes place without a modem, which allows bandwidths, of which normal home users could only dream up to now. For the first time, also, video-on-demand and IP telephony can be implemented at high quality.

Collaboration with R&M
The latest model project of CyberTown was implemented in collaboration with R&M Austria. It is a high-rise building on

In a high-rise building of CyberTown at Wienerberg, tenants communicate to their heart's content.

the southern city limit of Vienna, with a view of the city as well as of the vineyards of Lower Austria. The entire in-house Cat. 5e installation with Gigabit capable copper data lines was carried out by R&M. Ten kilometer copper wires were laid and in total 408 RJ45-type connections were installed in 204 apartments. Thus, Cybertown can make all services available via Ethernet.

Broad, broader, broadest
All CyberTown buildings are directly connected with the VIX (Vienna Internet Exchange) via the company's own fiber optic network. Therefore, the direct Internet connection of the computer in an apartment is possible without a modem. The connection of fixed network telephony takes place via voice-over-IP, which offers reduced telephone costs and completely new convenience and possibilities: Remote and local contactable voice box (digital answering machine), web interface for the configuration of the telephone, such as re-routing, fast dial etc. The tenants have a choice of three bandwidths: 128 KB, 2 Mbit and up to 100 Mbit are available, depending on the customer's desire and budget. By the way, with the Internet connection, high transmission rates are immediately available for downstream and upstream.

Among the services, which CyberTown plans to make available in the future, are, for example, a central file server for all tenants. Thus, all users will have the possibility to store a copy of important

data in the central server and prevent data losses, due, for example, to a virus attack on their PC. An in-house intranet for communication between the tenants, also presents no problem from a technical standpoint.

The third man sends his regards…
Furthermore, the technology of supplying the CyberTown buildings with optic fiber is a remarkable innovation within Vienna. It came into being through a collaboration between the Technical University of Vienna and the competent communal government responsible for the canalization. This is a robot, which – like the legendary "Third man" in the cult film of the same title – uses the Viennese canalization for his purposes. He moves fully automatically through the canalization system and attaches empty tubes to the ceiling. Subsequently, the fiber optic line is blown through the empty tubes and the building is tapped.

CyberTown will concentrate on city development areas in Vienna to offer the new tenants there top telecommunication solutions according to the WienerbergCity & Monte Laa models.

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