

IMC Networks' E1-Mux/4 and iMediaChassis/20 Products Provide Last Mile Solution For a Vital Customer in Austria

Stadtwerke Kapfenberg GmbH Finds iMcV-E1-Mux/4 Price/Performance Ratio Unbeatable; Simple to Install

Stadtwerke Kapfenberg GmbH is a leading utilities and telecommunications company that offers a wide variety of services to commercial businesses and residential communities throughout Styria, the northern region of Austria. The company's services include; electric, gas, water, HiWay Telecommunications (Cable-TV, Cable-Internet, Cable-Telephone), and private-line fiber optic networking. Manuel Steindl, Ing. Systems Engineer of HiWay Data Services is responsible for maintaining the company's telecommunications network for commercial businesses. Stadtwerke Kapfenberg had been successfully providing Last Mile services to a very vital and strategic customer of five years. The customer's application included expanding its locations and users networking services.

Due to the customer's growth demands for greater network expansion, Steindl was not only challenged to increase the bandwidth and connect more users to the network, but found that the current manufacturer's fiber multiplexer products had become obsolete. Also concerned about standardization and the lifetime of the component's parts, Steindl began his



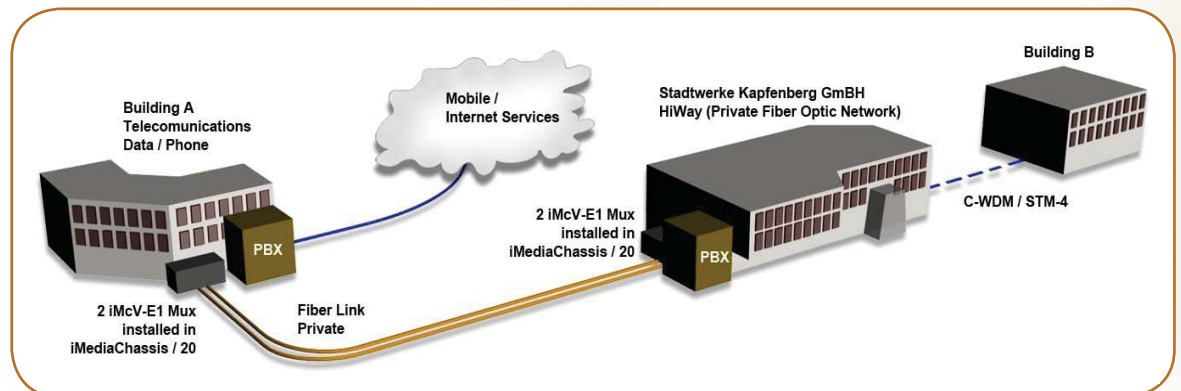
research for a new product solution. The network requirements for Stadtwerke Kapfenberg GmbH included some advanced features such as high-port density for multiple E1 extensions over a fiber optic network, redundant power supply backup, and remote management and monitoring using SNMP. These features were thought only to exist in expensive solutions from higher-priced vendors.

At first, Steindl considered purchasing a SONET SDH-Node to drop out the E1 lines. This solution, however, would only be cost effective if Stadtwerke Kapfenberg GmbH initially started with a minimum of fifteen E1s per location--otherwise this is a very expensive solution. Nonetheless, Steindl decided to research his options and met with IMC Networks. "Not only did the IMC Networks E1-Mux/4 and iMediaChassis/20 solution satisfy all of our unique requirements, but the installation was simple and the price/performance ratio was unbeatable."

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In this application, IMC Networks' four iMcV-E1-Mux's are installed in two iMediaChassis/20's between two PBX's and are used to extend multiple E1 lines from the Telecommunications headquarters to Building "A" out to the End-customers. This package provides a cost-effective solution that delivers redundant power, SNMP remote management and single-strand SFP fiber (1310/1550) over the network.



After considering several solutions, Steindl made the decision to purchase five E1-Mux/4 units and a couple of iMediaChassis/20s from IMC Networks. All units and chassis were shipped to Stadtwerke Kapfenberg GmbH in less than four weeks and have been installed and fully tested. Today the E1-Mux/4 multiplexers are running the Last Mile on its private-line fiber network to the customer's corporate location. "From day one, it was clear that IMC Networks had the technical expertise we needed to complete this project," said Steindl. "Not only did they provide us with a solution that perfectly fit the Stadtwerke Kapfenberg GmbH network, but their responsiveness and attention to detail demonstrated an obvious

commitment to ensure a smooth and hassle-free installation." The IMC Networks E1-Mux/4 installed in an iMediaChassis/20 offers high-port density for multiple E1 extensions over a fiber optic network, redundant power supply backup and remote management and monitoring using SNMP.

Now, both Stadtwerke Kapfenberg GmbH and its customer can continue to grow their business by offering a more efficient network communication service with greater bandwidth while Steindl could not be more pleased.

IMC Networks' iMcV-E1-Mux/4 multiplexer paired with the iMediaChassis/20 reduces cost, adds value, secures data lines and provides remote management capability for Service Providers and large businesses. Designed to efficiently deliver both data and TDM services over an optical fiber link for G.703 international standards, this product is ideal for the Enterprise, LAN and Telco markets.

iMcV-E1-Mux/4 Features:

- Transports up to (4) E1 lines over single or dual fiber
- Additional RS-232 channel can be transported over fiber
- Supports one optional full bandwidth 10/100BaseT port
- 1+1 protection with choice of single or dual SFP fiber ports
- Supports local and remote loopback functions
- Supports SNMP management (iView2), Telnet and CLI



The iMediaChassis/20 is an intelligent, carrier-class optical access platform that supports conversion of Ethernet to fiber and a variety of other telco networking technologies, including ATM/SONET, T1/E1, DS3/E3/STS-1 and WDM. The iMediaChassis/20 enables network operators to drastically reduce the capital and operational expenses by providing all copper-to-fiber and multi-mode to single-mode conversions, network distance extension and Ethernet Private Line services from the same managed chassis platform. Having the highest port density, hot-swappable architecture, SNMP-management and redundant power supplies for fault tolerance, makes the iMediaChassis/20 ideal for a multitude of diverse applications where a variety of protocols are required.



iMediaChassis/20 Features:

- An independent SNMP-management slot to isolate management data from user traffic
- Remote temperature monitoring
- Remote temperature control; fans can be remotely controlled via SNMP

IMC Networks is a leading ISO 9001 certified manufacturer of hardware for LAN/WAN/MAN network installations. IMC Networks provides innovative physical layer connectivity, optical networking and bandwidth management solutions for enterprise, Telco and service provider networks, and supports Ethernet, Fast Ethernet, Gigabit Ethernet, ATM and FibreChannel networking technologies.



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Document # CS-6001 0910