Case study - Telecom

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TELECONFERENCING SYSTEM

REQUIREMENT

The customer needed a flexible solution for an audio conferencing system which gives the end user the chance to extend the possible number of simultaneous conference calls in the future. The application started with 500 to 1000 ports for Audio conferencing and can be upgraded up to 20.000 ports.

CHALLENGE

To build a chassis with a modular card cage in the back, a nice looking LCD touch panel in the front and front-to-back air flow. Integrating the LCD display electrically into the MicroTCA environment.

SOLUTION

This system was designed in cooperation with partner companies NAT and Lindenbaum. Due to the scalability MTCA.0 standard was chosen. The system was turned around and the 19" brackets were moved to the rear side with the AMC modules plugged in the rear. Adding the functionality of an Ethernet switch acting as an AMC to the backplane and connect to the LCD.

Project Details	
Location	Germany
Industry	Telecom
Application	Teleconferencing System
Technology	MicroTCA for single full-size module
Product scope	10-Slot MTCA.0 System with integrated TFT
Date/Time frame	Prototype 2015, Series expected in 2017
Contract scope	25

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