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Real10 Solutions from R&M Power Tech Mahindra's Expansion Plans

Riding on its current growth, Tech Mahindra is moving to the next level of expansion with its new establishment. R&M not only provided value added products, but also played the role of a trusted advisor to help Tech Mahindra achieve interbuilding connectivity through Real10 solutions.

Tech Mahindra, a global leader in providing end-to-end IT services and solutions to the telecom industry, is India's fifth largest commercial group. Tech Mahindra is a global systems integrator and business transformation consulting firm focused on the communications industry. In partnership with BT, it has grown rapidly to become the fifth largest software exporter in India (Nasscom 2009) and is Europe's second largest telecom service provider. It currently employs

WHY R&M?

- Value added products along with technical and logistic support
- Took time to understand customer requirements and suggested the use of the global panel
- Despite space constraints delivered solution that met expansion requirements with interbuilding connectivity on three-tier architecture

over 30 000 service staff working across various telecom segments from multiple offshore development centers in America, Europe, the Middle East, Africa and Asia-Pacific.

Headquartered in Pune, Tech Mahindra has seven software development centers, of which six are in India (Mumbai, Pune, Bangalore, Chennai, Kolkata and Noida) and one in the UK. Tech Mahindra was looking for a vendor who would not only offer value added products, but would also lend technical and logistic support. R&M met all the requirements and has already cabled other premises of Tech Mahindra in India and the UK.

Tech Mahindra's new data center houses close to 50 server racks, and was supplied with a total of 28 000 nodes. The new premises consist of two towers with two blocks each. Each floor in these blocks has a hub room, summing up to 12 hub rooms in total. Each of these network rooms is connected to three-tier architecture with the maximum redundancy possible at the link and switch level. In the case of such architecture, at the core there is the main network that is connected to the distribution frame. This distribution frame is further connected to access switches that connect to the workstations. This interbuilding connectivity was one of the focal points of the entire project.

Yet another highlight of the project was the use of 3U hybrid global panels with copper and fiber solutions. This was done on the recommendation of R&M to meet the space constraints in the data center. By virtue of its modular

FACTS AND FIGURES

- Cat. 6 solutions with all color codes – for office area
- LC adapters
- 3U global panel
- Cat. 6A and OM3 fiber solution for data center
- Hinge dust covers
- Cat. 6 UTP cable – 1450000 m
- Cat. 6 I/O
- OM3 cables for the backbone – vertical and campus wide

design, these panels can be fitted with up to 15 4 x 1-port connection module holders or blind elements (max. 60 x RJ45/u, RJ45/s, SC-RJ or E-2000™* compact ports). It is installation-friendly due to its snap-and-go fastening system. Its shielded version includes a complete integrated grounding system and is suitable for the Data Safe Lock coding system.

Additionally, R&M's Real10 Cat. 6 connection modules, from the R&M *freenet* cabling system, are ideal for voice, fast data transmissions and high bandwidth applications. This high-performance Cat. 6 module is perfect for use in 10 Gigabit Ethernet (10GBASE-T) applications to 500 MHz. When installed as part of an R&M Real10 Cat. 6 shielded 4-connector channel, it exceeds the IEEE 802.3an minimum requirements for 10GBASE-T performance, as well as the requirements for class EA performance in accordance with/IEC 11801ed.2002, Amendment 1, and Cat. 6A performance in accordance with TIA/EIA 568-C.2. ■

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



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