

IT infrastructures ready for the future

mobilkom austria shows us how it can be done

The planning and construction of computer centres is a challenge. It's not just about taking the various considerations such as climate control, power supply, enclosures and cables into account, but also about preparing the computer centre for future technologies. This means planning so that the computer centre can expand on demand without any problems or at great expense. The example set by the leading Austrian mobile communications company, mobilkom austria, shows how it can be done.

Security and high availability play a major role for mobilkom austria, a company with around 2,300 employees. The computer system is only allowed to be "out of order" for a few minutes a year. This meant a provider was required with comprehensive knowledge in the fields of rack technology, climate control, power supplies, and security that could meet the high requirements placed on the infrastructure and, furthermore, be able to bundle its knowledge in a well-thought-out, overall solution with future expansion capability. After an intensive selection process, mobilkom austria decided upon Rittal.



The first step in building one of the most modern computer centres in Austria was for the telecommunication company, together with Rittal, to determine the required capacity for a computer centre floor space of 600 square meters, a separate backup and storage room, 400 to 500 servers, and 31 network enclosures. They also wanted to be flexible enough to expand later on.

The highest priority was to specify a uniform security concept, which in the meantime has become the standard for all mobilkom austria computer centres. In addition to complete access control at three different levels, security also means early fire detection. Using the electronic CMC-TC monitoring system from Rittal, the maintenance of the setpoint temperature in the enclosure can be monitored "remotely" at all times.

High performance servers produce enormous amounts of heat due to their high packaging density. Roof-mounted fan modules, each equipped with six fans, ensure optimum cooling, and therefore ensure availability and reliability. In addition, the power density can be increased even further using vented doors.

Rittal supplies the complete solution, from the racks, climate control modules, roof spacers and socket strips to shunting panels, shelves and server rails, and even monitoring units.

Components: TS 8 server racks, roof-mounted fans, PSM, CMC

Would you like to find out more about this project?

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