

Rittal – Case Study



University Hospital of Modena Smooth Start into the future with RimatriX5

 SERVIZIO SANITARIO REGIONALE
EMILIA-ROMAGNA
Azienda Ospedaliero - Universitaria di Modena
Policlinico



The university hospital of Modena is the domicile of the faculty for surgery of the University of Modena in the Italian province of Reggio Emilia. It extends over an area of more than 110.000 m². The datacenter of the hospital grew rapidly in the last 15 years from a simple file server of 4 Gigabyte to nowadays 6 Terabyte. In 1996 there was only one data-storage – today this storage comprises 9 Terabyte and will be extended to 50 Terabyte in the next few years. Marco Bagnoli, head of the IT-technology departments, recalls: “Formerly our

IT-system was spread over many different rooms all over the hospital but the more and more sophisticated equipment asked for a new and comprehensive solution.”

The requirements were challenging as in a hospital a faultless IT-system is crucial. Patients health can get seriously in danger if downfalls impact the functionality of IT-based patient care equipment. Bagnoli and his colleagues did some market research and found a perfect partner in Rittal. “With Rimatrix5, Rittal offered a customised solution concerning all aspects of a data center including racks, powersupply, cooling as well as security and monitoring. “Up today, we are using 12 enclosures and thanks to the systems’ modularity, we can easily enhance our capacities in the nearer future by employing then 16 enclosures”, Bagnoli comments. Cooling is realized through so-called LCP (Liquid

Cooling Packages), which is, just like the power supply, a redundant system. Accordingly, critical down-times can be avoided. Security and the possibility to monitor certain parameters of the datacenter, is guaranteed by Rittals Computer Multi Control Top-Concept (CMC-TC) which was personalized to meet the hospitals’ specific needs. The system realizes and reports, for example, if non-authorized persons try to access the server racks. Additionally, smoke sensor report smoke particles in the air, also humidity and temperature is constantly controlled. “In Rittal we found an excellent partner who was able to support us in a professional manner and, due to the broad product range, was able to offer a solution for almost every problem.”

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