

CASE STUDY

NEW CLINIC BUILDING, NORTH RHINE-WESTPHALIA: MAJOR PROJECT IN THE FIELD OF MEDICINE

All the buildings on the site of a clinic in North Rhine-Westphalia are being interconnected by smart racks from Datwyler. This provides users with many benefits.

In August 2021 Datwyler IT Infra won a contract to equip a new clinic building in the German federal state of North Rhine-Westphalia with a modern high-performance IT infrastructure solution.

This major project initially comprises a 10 gigabit-capable communications network – based on fibre optic and Cat.7_A copper data cables – in all the buildings in the clinic grounds. Around 40 smart racks also form part of this project. In future they will ensure fast and secure data connections on every floor of every building.

“Part of our mission is to help in building the foundations of the digital society. Organisations are only in the best position to benefit from future technical developments if they have the right sustainable IT infrastructures,” explained Ralf Klotzbücher, Vice President Sales

and Marketing at Datwyler IT Infra. “The same naturally applies to clinics: digitisation only succeeds if their IT infrastructure ‘fits’.”

IT infrastructure solution with added value

The Datwyler team in Hattersheim is working closely with the system integrator in Hannover, who is implementing the solution on site.

“Our role in this project ‘only’ includes consultancy, cable harnessing, panel assembly, materialisation and project logistics,” explained Klotzbücher. “But it is a good example of the added value which our IT infrastructure solutions give the user.”

In practical terms the campus has ten buildings, all of which will be interconnected via the racks. The cabinets



not only contain the components for the passive cabling, but also UPS, switches, routers, controllers and servers – all components necessary for video monitoring, intercom communication and the access management system.

An IT infrastructure like this with smart racks enables the clinic, for example, to centrally monitor and control the video cameras, access and other safety features throughout the campus.

Since November 2021 the racks also have been delivered to the building site from Datwyler's European Logistics Centre in Hattersheim – including the complete array of accessories such as patch panels and telephone panels, PDUs, fan units, earth rails, plinths and cable entries.

The remaining assembly and installation of the active components will be carried out on site.

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