

Success



The Future for Midtjylland

Denmark's Midtjylland region is celebrating another success of its digitalization strategy. Two fully redundant data centers of the regional administration recently went into operation. R&M developed a cross-connect solution with potential for the IT infrastructure to grow.

The mirror data centers of the Midtjylland regional administration were built on the site of the new, large, centrally located hospital in Gødstrup. They have made four old data centers redundant. Consolidation saves operating expenses and reduces power consumption by a third.

Based on this new infrastructure, IT operations are migrating to a hybrid cloud. This guarantees the secure, stable and economic performance of the data services. Each of the 600 m² data centers operate at the Tier III level. The healthcare system in the region, which has 1.3 million inhabitants, is particularly dependent on IT operation being highly available.

Why R&M?

- Quality and reputation
- Customizing
- Packing density
- Fast installation
- On-site support
- Training
- Logistics
- Short delivery times
- Flexibility

Easy access to MPO

The cross-connect solution with R&Mfoxs combimodules and OM5 cabling ensures a reliable infrastructure that is, importantly, adaptable in the long term. It was important to those responsible to be able to access the MPO adapters and MPO cables easily. This makes it easy to expand the network in the future and adapt it to the growing IT infrastructure. R&M fulfilled this requirement with combimodules that were specially equipped with MPO technology.

R&M's Netscale 72 distributors in the racks are also easing the path to the future. The customer only has to change trays in order to be able to change the parallel optical cabling and migrate to the next network generation. The Netscale range offers the industry's highest density for fiber optic ports in 19" cabinets.

Each of the two data centers is starting with 40 racks. Their surface areas are sufficient for an expansion of up to 70 racks. This is why the cabling solution offered should include corresponding expansion possibilities. The R&M concept fulfilled this requirement.



The R&M solution

For the data centers of the Midtjylland regional administration, R&M designed a continuously redundant cabling concept to meet the customer's requirements. The cross connects consist of 10 ODFs with 22 R&Mfoxs combimodules – equipped with MPO connectivity in a new way. Twenty-four-fiber OM5 cabling with MPO connectivity links the racks with the cross connects. The series racks contain 40 Netscale 72 patch panels with MPO/LC Duplex connectivity.

The adjustment and expansion options and the high packing density were the decisive factors in the choice of R&M products. This gives the operator headroom for the expected growth of IT and the further digitalization of the regional administration.

R&M will assist the regional administration on its way to digitalization long term. On-site support, training, logistics and short delivery times are part of the sustainable service.



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