

## CASE STUDY

# “INSURANCE” FOR THE DATA CENTRE: 10-GBIT FIBRE OPTIC CABLING SOLUTION FOR CSS

The CSS Health Insurance AG decided on a fibre optic cabling solution from Datwyler when designing their new data centre, the connections between the storeys and between the buildings. This ensures fast access to required data and applications for approximately 2000 employees and 199 agencies and thereby offers CSS customers first-class service.



“While planning we looked for professional support in good time”, explained Helmuth Both, project manager responsible for engineering and for the newly developed data centre. “We were able to decide very quickly that Datwyler and Connect Com are ideal system partners for us for cabling. This not only concerns the extensive expertise with regard to fibre optics (FO) but also the necessary flexibility as respects our individual support requirements.”

### High-speed fibre optic connections

Approximately 8,000 metres of Datwyler Optoversal cable were used to connect the storeys and buildings. Some 3,000 metres of additional Optoversal interior cable were installed at the two data centre locations. Only single-mode cables and multi-mode cables with OM3 optical fibres were used, in order to also be able to transfer 10-Gbps applications without problems, if required.

CSS received the FO cables – as one of the first users in Switzerland – with pre-fabricated LC connectors. Approximately 1,600 FO patch cables and 180 optical distribution frames with dust protection caps also enable high-speed connections in the data centre.

### One-stop cabling solution

CSS operates a highly available ICT infrastructure in the data centre. The new cabling connects among other things some 230 servers to the SAN switches and to central storage systems. Datwyler were able to provide CSS with a “one-stop” solution, from consulting services over customised production up to on-site splicing. Uniform cable labelling and marking was furthermore developed and implemented together with CSS.

### Investment protection

CSS is extremely satisfied with the new network: “With this infrastructure and topology, we have established a sound foundation for the further development of CSS. The cabling is known as robust and very reliable, enables flexible and fast upgrades and provides large performance reserves. We therefore not only have a service guarantee for today, but also the prerequisite for reacting adequately to future challenges – and that at a reasonable cost-value ratio combined with high investment protection for the next 10 to 15 years”, said Helmuth Both.

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