

CASE STUDY

MAXIMUM SAFETY IN THE HUS “UNDERWORLD”

Under the Meilahti Hospital in Helsinki Datwyler safety cables play a major role in fire safety. Between 2013 and 2015 almost 50 kilometres of zero halogen, low-smoke and flame-retardant cable were installed for power and signal transmission.

The Helsinki and Uusimaa (HUS) hospital district is the largest in Finland. It comprises 21 hospitals, including the capital’s University Central Hospital (HUCH) and the Meilahti hospital in the eponymous district of Helsinki.

There are extensive subterranean structures on the Meilahti Hospital site, for example an underground car park, access tunnel, storage yard, waste disposal yard and pharmacy stockroom. Hospital staff jokingly refer to these as the “underworld”.

Highest safety standards

The University Central Hospital insists on the highest possible quality and safety standards when building in the “underworld”. Thus between 2013 and 2015 almost 50 kilometres of Datwyler safety cable were installed for power and signal transmission, sourced by the electrical installation company Amplit Oy from Datwyler’s Finnish partner Pistesarjat Oy.



The zero halogen, low-smoke and flame-retardant safety cables are an integral part of the fire protection and safety concept. Amplit Oy installed these cables in the most important sub-buildings, the so-called upper storage and waste disposal yards, which are connected to the underground premises in the hospital area by way of several tunnels and shafts.

Challenging installation

Here special challenges were posed by the great distances between the underground areas – 800 metres to bridge for the access tunnel alone – and the civil protection regulations. According to Amplit “the building was so challenging that there was no possibility of experiment or compromise on safety.” In this respect the robust Datwyler cables provided an ideal solution.

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