Baregg Tunnel

Network 41 ensures emergency services can be reliably contacted

The Federal Roads Office (FEDRO) contracted Network 41 to refurbish the leaky feeders and install the antenna system for the Polycom network so as to ensure that the emergency rescue services can be reliably contacted in the Baregg Tunnel (Aargau) and the Neuenhof Tunnel (Zurich). The Polycom network is the radio system of the Swiss emergency rescue and security services.

In the first stage of operations, Network 41 refurbished 700 metres of leaky feeder cable in the traffic tube of the Baregg Tunnel. Other stages involved our specialists fitting antennas in the six transverse tunnels and connecting them to the control centres. Network 41 installed a total of 1,000 metres of leaky feeder cable in the service tubes under the roadway.

''Since the tunnels had to be closed for most of this work, it was carried out at night. This required the installations to be perfor-

med swiftly and in close coordination with the NSNW (the roads authority of north-western Switzerland). The fact that we had to run 1,000 metres of cable overhead was especially challenge for us: it meant drilling an overhead hole approx. every 90 cm to be able to fix the cables. It was physically strenuous work carried out precisely and under pressure of time,'' says Network 41 project manager Cédric Brunner.

Network 41 set up a new mast for the Baregg Tunnel radio network as well as fitting the tunnel control centres at Baregg and Neuenhof with in-house antennas.

Network 41 guarantees secure network coverage!

Ceiling installation of leaky feeder cable in the service tube

Setting up the Baregg Tunnel mast