



Network 41 laying a cable

Network 41 pulls cables – a truly powerful performance

Our telecommunications networks are subject to ever-increasing demands. The need for faster connections with higher bandwidths – even in rural areas – means that either the old cables have to be replaced or new ones installed. Network 41 places its trust in its qualified staff to carry out this work.

In the last five years, Network 41 has replaced old trunk cables with fibre optic cables in 8,500 households for ewl energie wasser luzern. The aim is to complete the job for the whole of Switzerland in the years to come. This makes huge demands in terms of the quality and coordination of the work.

When the cables are replaced, the existing cable ducts are probed with a pipe coil first of all so as to trace the path. If possible, the draw cord for the new cable is pulled in at the same time. If the tubes are not continuous or it isn't possible to trace the path, a camera is used to help identify any additional work that needs

doing – such as replacement of defective tubing by underground construction teams. The job of drawing in the cables is supported by a cable feed machine with a traction capacity of up to 2.5 tons.

"It's particularly challenging to do this kind of work in the city on busy streets. The staff on our teams are well qualified: they're trained for both underground construction and cable feed. So each individual knows what everyone else is talking about, the work can be carried out quickly and meets high quality standards – and it's all thanks to the perfect combination of machine power and staff expertise," says Jörg Pfulg, Network 41 project coordinator.

Network 41 – always pulling its weight for you!



Cable feed using cable feed machine



Probing the existing pipe system using a camera probe