



Roxtec on site

Efficient seals for grounding of feeder cables



Minimizing the risk of downtime

The network has to be up and running. That is why Telia Norway secures it with Roxtec cable seals.

Three main needs make mobile network owner-operator Telia specify Roxtec BG™ B seals for all their base stations built or upgraded after 2014:

- Grounding to avoid costly downtime caused by the effect of lightning strikes
- Protection of equipment from fire and water
- Sealing of more cables, including cables from other operators renting space

"We get capacity, tightness and grounding in line with requirements," says Martin Gyllenhammar, technical responsible for civil works at Telia Norway.

Capacity for additional cables

With thousands of base stations, Telia covers Norway's mountains, forests and coastline. Other operators rent access to their sites, so it is essential to make room for new cables and equipment. Telia also

Roxtec BG™ B provides solutions for sealing, grounding and high cable density.

"Roxtec is neat and area efficient."

Martin Gyllenhammar, Telia Norway

upgrades sites with new technologies themselves. Roxtec seals require less space than the formerly used mounting plates with shrink tubing. They also offer built-in spare capacity which simplifies planning for future needs. Installers just open up seals to add cables, without adding holes or costs. The key to the future is many small sites with a maximized number of cables.

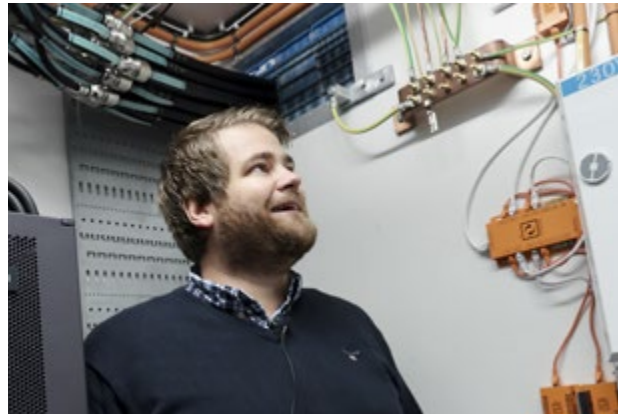
Protection against environmental threats

Roxtec seals are fire-proof and watertight to ensure continuous operation. The equipment is kept safe and dry, the indoor climate is maintained and pests are prevented from damaging fiber optics.

"We secure our critical sites, and require that cables entering our technical rooms are efficiently bonded to earth in case of a lightning strike," says Martin Gyllenhammar.

Standardized solution

All contractors use the same optimized kits and the online tool Roxtec Transit Designer™. It helps Telia document all transits and provides information to share with installers. All work is done without special tools or hot work permits. And the shelters are sealed until it is time to route more cables.



30



lightning strikes per month
have been registered by Telia
in certain parts of Norway.

Why use Roxtec?

- Protection against the effect of lightning strikes
- Bonding and grounding
- Water- and air-tightness
- Rodent and insect barrier
- Space efficiency and spare capacity

Project facts

Project description

Development of telecom base stations all over Norway

Owner and designer

Telia Norway

Applications

Sealing and grounding of cable entries in shelters

Requirements

- Watertight
- Fire-proof
- Bonding and grounding

Roxtec products

Roxtec BG™ B (bonding and grounding) transits

See more on roxtec.com/telia-norway

Protecting life and assets

Roxtec is the world leader within flexible cable and pipe transits. Since the start in Sweden in 1990 we have grown successfully to cover all continents. Our passion is innovative sealing solutions, and our goal is to make our world a safer place.

- Extensive R&D resources and advanced test facilities
- Customers in more than 80 markets
- Inventor of Multidiameter™

