

# REPORT

Prague Metro



After the flooding of 19 stations in year 2002 Prague has set out on a vast project of rebuilding and refurbishing their metro system. Roxtec has been chosen to supply water tight, gas tight and fire proof seals for the tunnel sections. Previously Prague Metro were using com-

pounds as sealing solution. As from now they upgrade to Roxtec. Requirements include 90 minutes of fire endurance, and chemical resistance. Most frequent cable diameters are 4-70 mm. Orders have started during 2004 and will hopefully continue through 2013.

#### Reasons for choosing Roxtec

- Reliability and pressure resistance.
- Extensive expected need for future capacity.

**Roxtec team reports on site**  
From new Prague Metro

# Facts



Roxtec round transits have been selected to seal cables in the buildings and tunnels of the new sections of the Prague Metro. The R and RS seals are installed in the sections around the pressure doors and in fire stop barriers.

## Owner

- Prague Metro

## Designer

- Dopravní podnik hl. m. Prahy a.s.

## Builder

- Metrostav a.s.

## Installer

- Sitel spol. sr.o.

## Roxtec

- Initially 2222 R frames modified with reinforced fittings, 1005 RS seals modified with reinforced fittings. More to come.

## Reasons for Roxtec

- Reliability and pressure resistance. Extensive future capacity need.

## Placement

- Around the pressure doors in Prague Metro tunnels and corridors and in fire-stop barriers.

## Requirements

- Double-sided resistance against water and gas (0.6 MPa), short-term resistance 1.1 MPa. Double fire endurance 90 minutes (possible 2x60 min.). Chemical resistance water pH 3-11. Lifetime min. 30 years.

## Initial contact

- February 2004

## Project volume

- Line A and B continues until year 2008. Technical centre II B. TC 4 until year 2007. Three new stations Line C until year 2007. New Line D (7 stations) year 2007-2013.



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