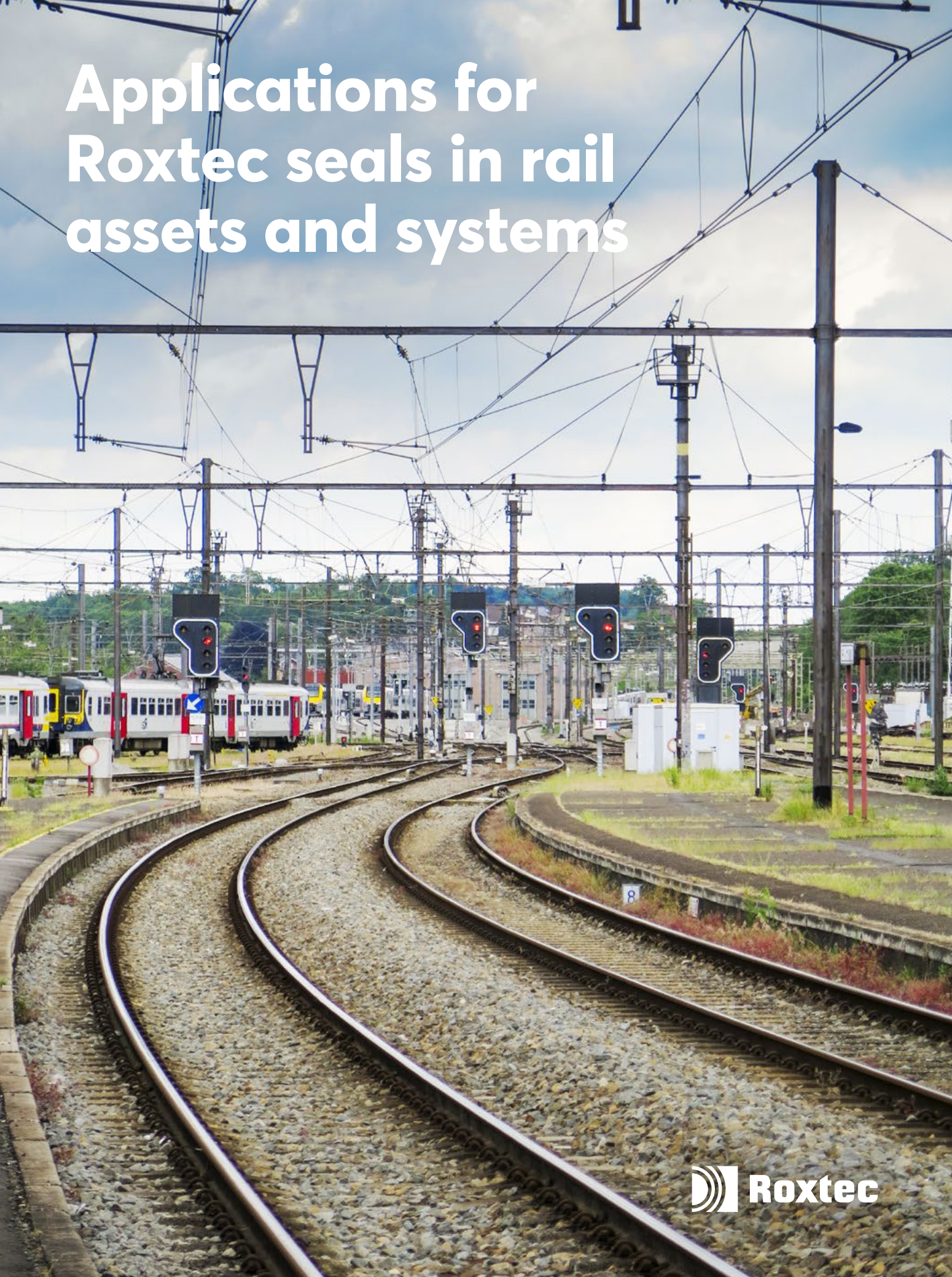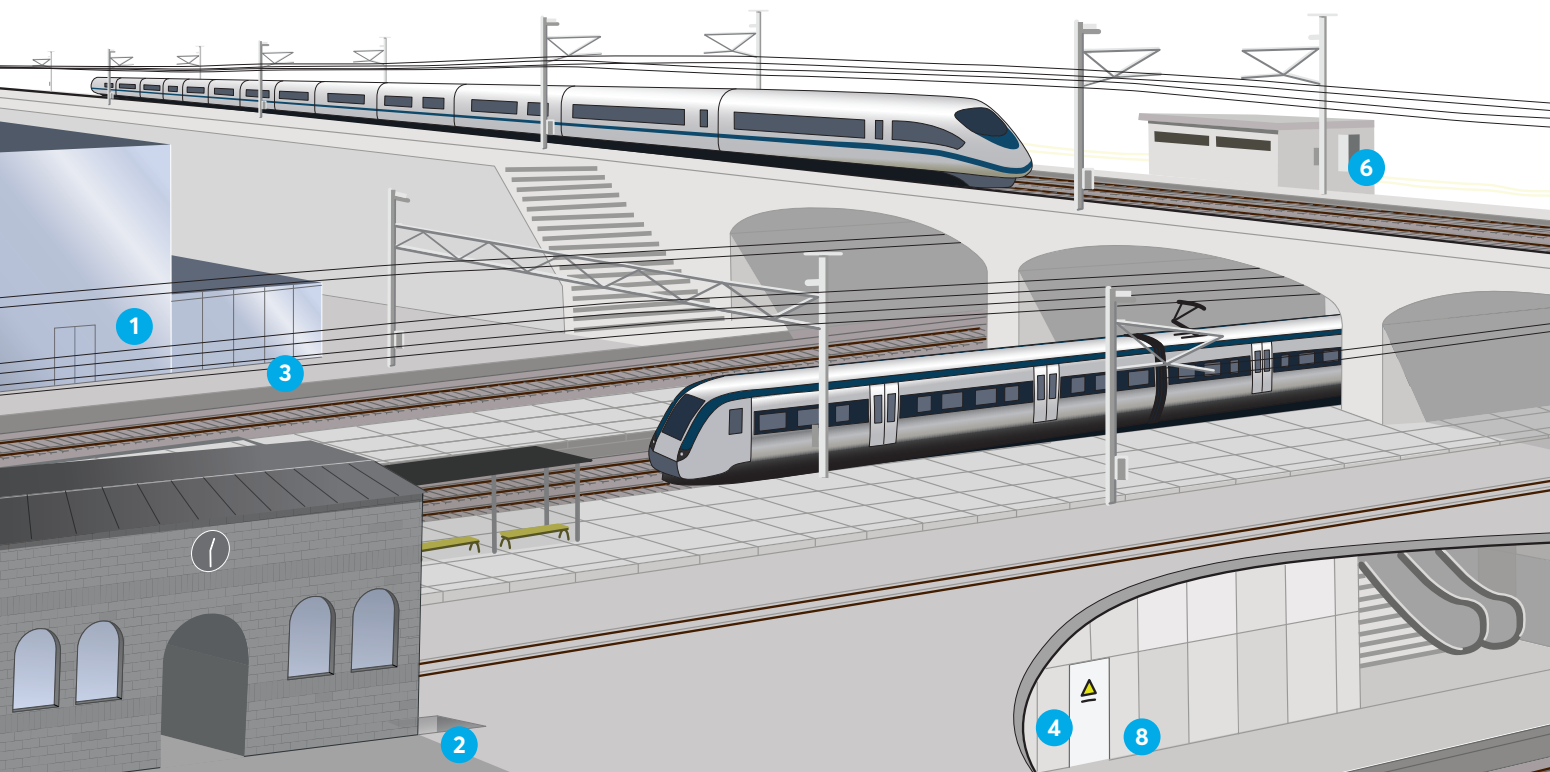# Applications for Roxtec seals in rail assets and systems

Roxtec sealing solutions in rail infrastructure

Explore the multitude of applications where you can benefit from our solutions.

1. Buildings – newbuild
Roxtec seals provide a clean solution when multiple cables, conduits and pipes are to pass through a wall or floor and the structure must meet certain safety ratings. Use our system in high voltage substations, technical rooms, switching stations, signal and control buildings, rail yards, tunnels and railway stations.

2. Buildings – retrofit
Our modular design and split construction are ideal for efficient retrofit work with cable penetrations in underground vaults, cable trenches, manholes and pull boxes. The ability to open up our system allows for safe re-entry to add or change cables with no damage or disruptions to the power, signaling or communications infrastructure.
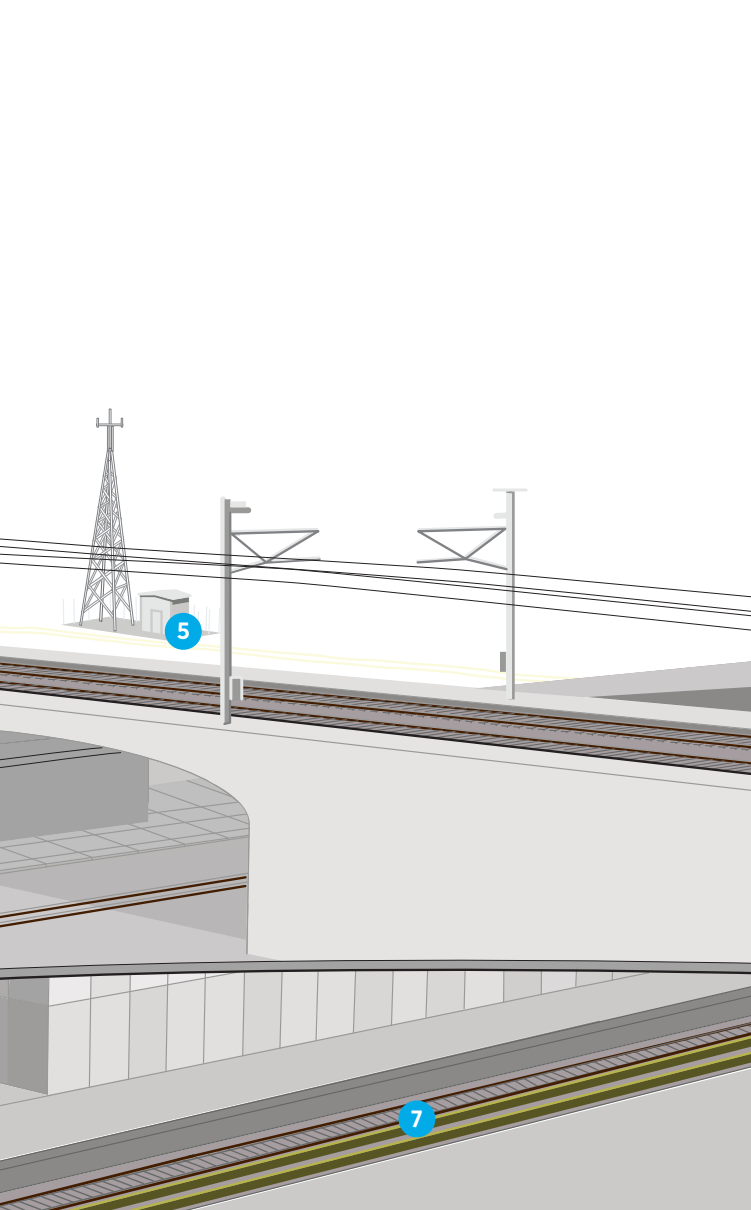
3. Foundations
Roxtec solutions eliminate humidity and prevent the intrusion of rodents when sealing power cables entering buildings via foundations. Our solutions can be installed in running water and damp conditions and eliminate water ingress during construction.

4. Conduit plugs
Cap the ends of ducts and rigid metallic or flexible non-metallic conduits with our solutions during construction and after pulling cables in order to prevent ingress of water, gas, rodents and foreign materials. Multidiameter™, our invention of sealing modules with removable layers, offers flexibility to seal a wide range of conduit inner diameters and minimizes stock keeping units.

Why use Roxtec?

- Certified and engineered solutions
- Watertight up to 4 bar/58 psi/133 feet of water
- Fire rated up to 4 hours and non-toxic smoke
- Gas- and air-tight (2.5 bar)
- Corrosion and pest resistant
- Lowest total cost of ownership

Superior simplicity

- Multidiameter™ by Roxtec – adapts to cables and conduits of different sizes
- Suitable for operation from −60° C to +80° C
- Built-in spare capacity for upgrades and retrofits
- Custom solutions

roxtec.com/railinfrastructure

5. Shelters
Roxtec seals protect equipment inside communication and signal shelters from water, moisture and rodents. Our seals are used in concrete metal and sandwich panel shelters and are designed and tested for long-term cable retention.

6. Cabinets and enclosures
Roxtec's design makes it easy to route pre-terminated cables into signal boxes, junction boxes, communication equipment enclosures and rail heating cabinets. Use our seals with armored cables and shielded cables to ensure electromagnetic compatibility. Replace cable glands with Roxtec seals to increase the number of cables going into the cabinet – but only cut one hole.

7. Trackside equipment
Roxtec seals prevent intrusion of debris, rodents and moisture into overhead contact systems, radio masts and GSM-R communication towers. Our seals are reliable for long-term cable retention in aerial deck penetrations and protection against vibrations along the track.

8. Pipes
Roxtec solutions are used around plastic pipes, metal pipes and conduits of various sizes entering buildings both above and below ground. Our seals prevent water, fire, pests, hazardous gases and other environmental hazards from entering buildings.

One solution for multiple hazards

Roxtec's certified seals cover all requirements for facilities and systems within electrification, signaling and communication, and we are ready to support you all the way from design and engineering through to installation training and inspection support. Standardize with our superior solutions to ensure safe and reliable operations in a cost-efficient manner. Route multiple cables and conduits of different sizes through each opening in your buildings and equipment. And add cables – without making new holes.

Find your transit on www.roxtec.com

We are present worldwide as well as online to provide the best possible service and support. We recommend you to visit roxtec.com where you can find certified cable and pipe transit solutions for more than 100 applications and benefit from the easy search functions for both sealing solutions and certificates. You can also simplify your daily work by using the free, online tool Roxtec Transit Designer™.

You are always welcome to contact us with any questions and requests.

Roxtec