Planning Tool – fire safety solutions for tunnels

Answers for infrastructure.

Holistic fire safety – an economic must for tunnels

Tunnel safety is a complex and far-reaching topic. Complex because it encompasses structural engineering and operational measures: both inside and outside the tunnel. Far-reaching because by improving tunnel availability, safety measures also help keep entire regional economies running.

And although most of the fire safety technologies deployed in this type of infrastructure may be similar to more standard buildings, they have to address very unique challenges in terms of people self-evacuation and management, but also incident mitigation and structural damage. Therefore, fire safety systems that can stand the test of time need to be tailored to each tunnel and transport type.

Future-proof safety technology

To ensure a smooth transition from one generation of technology to the next, Siemens offers a comprehensive service portfolio, tailored to each tunnel and transport type. With this portfolio, we can contribute towards user safety, and also towards the satisfaction of stakeholders.

The service success factor

Siemens understands the impact that the planning, installation, commissioning, integration, and operation of tunnel fire safety systems can have on overall project success with budget considerations.

Optimal business case

This is also why we only recommend systems that are seamless to install, commission, integrate, operate, and maintain. Today and in the future. As your service partner – and their effects on daily tunnel operation, including volumes, tunnel availability, safety levels. Siemens offers a comprehensive service portfolio, including maintenance, remote monitoring, and emergency support.

Planning for success with a forward-thinking fire safety partner

Making sense of tunnel complexity

Planning for success with a forward-thinking fire safety partner makes a serious impact on user safety, tunnel availability, but also in the sense of improving overall regional economies running.

Future-proof safety technology

Siemens understands the impact that the planning, installation, commissioning, integration, and operation of tunnel fire safety systems can have on overall project success with budget considerations.

Optimal business case

This is also why we only recommend systems that are seamless to install, commission, integrate, operate, and maintain. Today and in the future. As your service partner – and their effects on daily tunnel operation, including volumes, tunnel availability, safety levels. Siemens offers a comprehensive service portfolio, including maintenance, remote monitoring, and emergency support.

Highlights

- Planning for success with a forward-thinking fire safety partner
- Future-proof safety technology
- Optimal business case
- Making sense of tunnel complexity
- Planning for success with a forward-thinking fire safety partner

Example extinguishing system with XC10 control unit in a transformer room

1) Alternative: Line extension using fiber optic cables and interface modules.