

Infrastructure protection of the busiest tunnel in NL

Client:
Department of
Waterways and
Public Works

Location:
Amsterdam - NL

Project:

Tunnel
Infrastructure



The Department of Waterways and Public Works is a large and very important department of the government in the Netherlands.

They are responsible for everything that has to do with Waterways and Public Works.

Project By:

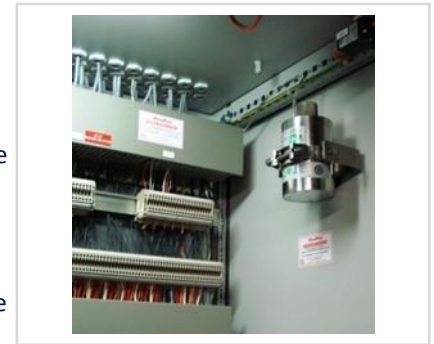
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Fire safety • Fire safety
• Fire safety

**Type of
Protection:**
Total Flood
Electrical
Cabinets

Type of Protection:

The Coentunnel tunnel is 1.283 meters long, and there is a big infrastructure for the lights, signs, detection systems, ventilation, pumps, etc.

All this parts are controlled by computers and electrical cabinets. All the electrical cabinets are protected with **FirePro**.



Fire Protection:

**FP-40S
FP-80S
FP-100S**



The Task:

Design, supply, install, commission, and maintain fire protection in electrical cabinets with **FirePro** extinguishing units.



We **identify** risks - We **design** solutions - We **prevent** disasters

Risks Involved & Consequences:

Because the Coentunnel is one of the most important connections around Amsterdam the Department of Waterways and Public Works wanted to have a secure fire protection of the infrastructure.

This is because every part of that infrastructure must be functioning as fast as possible after a fire.

Furthermore, fire damage in the tunnel will be disastrous because the tunnel must then be closed and there is a risk towards human lives. These consequence will be prevented by **FirePro** protection.



Solutions:



All **FirePro** units are manufactured under strict quality and environmental management standards according to international standards and requirements.

Results & Implementation:

Before the opening of the tunnel the installation was complete with 142 **FirePro** units. Because of our CATTAS educated employees the installation was completed in 4 days.

The installation with **FirePro** units in the cabinets was quick and at low cost of ownership, with extremely reliable and proven fire extinguishing capabilities.

Description/Details	Quantity	Type
Fire Protection Units		
Cabinets	40	FP-40S
Cabinets	96	FP-80S
Cabinets	6	FP-100S
Fire Detection / Alarm System		
Thermocord	140 m	FirePro
Bulb activator	38	FirePro

Advantages of **FirePro**:

- certified environment friendly “green” fixed extinguishing solution
- no harmful residues or deposits
- does not produce harmful or toxic gases when in contact with a fire
- does not reduce oxygen content within risk when discharged
- leading certified condensed aerosol product – represented in 70 countries
- no pressurised gas cylinders
- fully modular, protects the smallest risk to total flooding application
- installed in less time than conventional gas extinguishing systems
- rapid deployment & re-installation in hours to re-arm – not days
- wall or ceiling mounted for room applications, Installed inside risk also
- no gas pressure reduction arrangements to facilitate gas release
- no risk of operative injury - such as accidental cylinder detonation
- no distribution hydraulic design, pipe fabrication, or installation

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