




4 Rail (기차)

 <p>기차 객실</p>	<p>4.1 NEWAG Impuls 36WEb, Bari (Italy)</p> <p><i>AQUASYS fire-fighting system improves passenger safety on the Ferrovie del Sud Est railway line in Italy.</i></p>
	<p>Project period: 2017 Client: I.S.E. Ingegneria dei Sistemi Elettronici S.r.l.</p>
	<p>Project description:</p> <ul style="list-style-type: none"> - Protection of five new three-car trains - Protection of passenger areas, toilets and drivers' cabs - Nitrogen-propelled water mist system for roof installation - Design and approval according to Italian standard UNI11565:2016

 <p>기차 엔진룸</p>	<p>4.2 Tejas Express (India)</p> <p><i>Water mist system to protect the engine rooms in India's first ever semi-high-speed train.</i></p>
	<p>Project period: 2017 Cooperation partner: SANROK</p>
	<p>Project description:</p> <ul style="list-style-type: none"> - Water mist to protect engine compartments - Nitrogen-propelled water mist system for installation in the carriage interior - Installation by local partner - Design and layout by AQUASYS

 <p>기차 엔진룸</p>	<p>4.3 Humsafar Express (India)</p> <p><i>AQUASYS fire-fighting system for engine rooms in sleeper trains.</i></p>
	<p>Project period: 2016 Cooperation partner: SANROK</p>
	<p>Project description:</p> <ul style="list-style-type: none"> - Water mist to protect drive units, generators and technical areas - Nitrogen-propelled water mist system for installation in the carriage interior - Installation by local partner - Design and layout by AQUASYS

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기차

4.4 NEWAG Vulcano DMU, Sicily (Italy)

Improved safety for passengers on DMUs (diesel multiple units) operated by Ferrovia Circumetnea (FCE) in Sicily.

Project period: 2015 (4 wagon sets)
Client: ISE (IT)

Project description:

- Protection of four NEWAG railway vehicles
- Protection of the passenger areas, toilets, drivers' cabs and diesel drive unit
- Nitrogen-propelled water mist system for installation in the interior with optimised service access



인천 2호선 기차

4.5 Incheon Metro Line 2, Incheon (South Korea)

Improved safety for passengers on the 29.2-kilometre-long metro connection from the Incheon district into the centre of Seoul.

Project period: 2011–2013
Client: Hyundai Rotem

Project description:

- Protection of 74 coaches and 37 metro wagon sets from vehicle manufacturer Hyundai Rotem
- Protection of the passenger area
- Compact system design for installation on the roof
- Insulated system design for frost protection
- Commissioning by AQUASYS



인천 1호선 기차

4.6 Incheon Metro Line 1, Incheon (South Korea)

Improved safety thanks to water mist for passengers on the 34 trains that run on the 29.4-kilometre-long metro line.

Project period: 2007–2009
Client: Hyundai Rotem

Project description:

- Protection of nine metro trains, each with eight wagons, from vehicle manufacturer Hyundai Rotem
- Improved passenger safety
- System design for under-floor installation
- Greater protection of the entire underground line

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4.7 Channel Tunnel (England/France)

Prototype on-board fire-fighting system for heavy-duty trains in the 50-km-long undersea tunnel.

Project period: 2002–2004
Client: Eurotunnel

Project description:

- Installation of a water mist system in the train
- Local fire-fighting in the transport shuttle wagons
- Improved safety when transporting trucks, passenger vehicles and passengers in the 50-km-long Eurotunnel

해저 터널용 대형 기차



4.8 Plasser & Theurer rail construction machines, Linz (Austria)

Water mist for serial protection of engine compartments in complex rail construction machinery.

Project period: Serial delivery since 1999
Client: Manufacturer of rail construction machines

Project description:

- Protection of the high-value rail construction machinery and improved safety for the operating personnel
- Electric motor-driven fire-fighting system to protect the engine compartments
- Energy supplied by on-board battery
- System installation individually adapted to each engine compartment
- Serial delivery since 1999

선로 건설기계 엔진룸

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