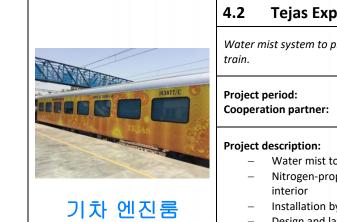


4 Rail (기차)

	4.1 NEWAG	Impuls 36WEb, Bari (Italy)
	AQUASYS fire-fighting system improves passenger safety on the Ferrovie del Sud Est railway line in Italy.	
	Project period: Client:	2017 I.S.E. Ingegneria dei Sistemi Elettronici S.r.l.
	Project description: – Protection of	of five new three-car trains
기차 객실	 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 	



	4.2 Tejas Express (India)
	Water mist system to protect the engine rooms in India's first ever semi-high-speed train.
	Project period:2017Cooperation partner:SANROK
· 엔진룸	 Project description: 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

4.3 Humsafar Express (India) AQUASYS fire-fighting system for engine rooms in sleeper trains. **Project period:** 2016 **Cooperation partner:** SANROK **Project description:** 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 _ 기차 엔진룸

sheet is entrusted to the recipient for personal use only. It must not be obliced or disclosed to any third party without our exploit, written con-any violation of this condition will be protecuted. We reserve the right to any rood/readion detended necessary in the interact of technical progress. This a reprod sent. A make a

DOK





Circumetneo
Project peri Client:
Project desc
— Pr
— Pr

기차

NEWAG Vulcano DMU, Sicily (Italy) 4.4

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

iod:

2015 (4 wagon sets) ISE (IT)

cription:

- rotection of four NEWAG railway vehicles
- rotection 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

	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: Client:	2011–2013 Hyundai Rotem
	 Project description: Protection of 74 coaches and 37 metro wagon sets from vehicle manufacturer Hyundai Rotem Protection of the passenger area 	
인천 2호선 기차 - Compact system design for installation on the roof - Insulated system design for frost protection - Commissioning by AQUASYS		stem design for frost protection

Das Blatt ist dem Empfänger zum persönlichen Gebrauch ametraut. Ohne ernen schriftliche Bewilligung auff es weelen verbiefählten be-sonen zugänglich gemacht werden. Zwieldenhandlungen werden gerichtlich ver-folgt. Wir behähten uns Anderungen im merese der Weiterenwöcklung ver-

120903.0

t is entructed to the recipient for personal use only. It must not be all or disclosed to any hird party without our exploit writhen con-volution of this candition will be prosecuted. We reserve the right to modifications deemed necessary in the interact of bedinect progress.

duced Any v e any r rhis s reprod sent. make

4.6 Incheon Metro Line 1, Incheon (South Korea)

29.4-kilometre-long metro line.

	1
- KOAK	de ale
	the second second
and the second	

인천 1호선 기차

Improved safety thanks to water mist for passengers on the 34 trains that run on the

Project period:	2007–2009
Client:	Hyundai Rotem
	,

Project description:

oject 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	





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: Client: 2002–2004 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 Linz (Au	& Theurer rail construction machines, stria)
Ť	Water mist for serial protection of engine compartments in complex rail construction machinery.	
	Project period: Client:	Serial delivery since 1999 Manufacturer of rail construction machines
선로 건설기계 엔진용	safety for t – Electric mo compartme – Energy sup – System inst	of the high-value rail construction machinery and improved he operating personnel tor-driven fire-fighting system to protect the engine ents plied by on-board battery callation individually adapted to each engine compartment ery since 1999

This sheet is entrusted to the recipient for personal use only. It must not be produced or disclosed to any third party, without our variation onsent. Any volation of this condition will be prosecuted. We reserve the right to make any modifications deemed necessary in the interest of technical progress.

DOK