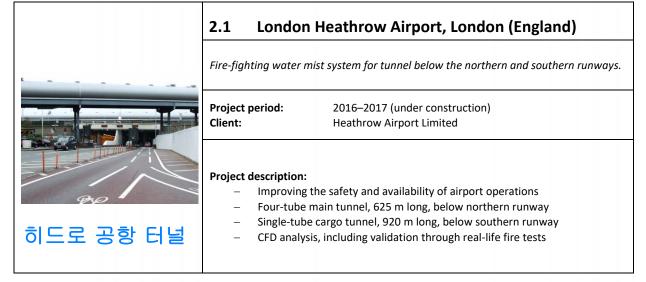
2 Tunnel (터널)



| | 2.2 ASFINA | G Tunnel Liefering, Salzburg (Austria) | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------|--|
| 값 값 값 값 값 값 값 값 값 값 값 값 값 값 값 값 값 값 값 값 값 값 값 값 값 값 값 값 값 값 값 값 값 값 값 값 값 | Fire-fighting water mist system for protecting the driving routes in both tunnel tubes. | | |
| | Project period: Client: | 2016 ASFINAG | |
| | area, a maj through it e | with three to four driving lanes in each | |

| E | ļ | ⊒ |
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| | 2.3 ASFINAG Arlberg Tunnel, Tirol (Austria) Fire-fighting water mist system for Austria's longest road tunnel. | | |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--|
| 다 널 (14 km) | | | |
| | Project period: Client: | 2014 ASFINAG | |
| | Project description: World's largest water mist installation in the road tunnel sector Protection of the only winterproof east-west transport link between Tyrol and Vorarlberg Protection of the two-lane bi-directional tunnel and the escape tunnels Tunnel length: 14 km | | |



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| 2.4 ASFINAG Bregenz City Tunnel, Vorarlberg (Austri |
|-----------------------------------------------------|
|-----------------------------------------------------|

Fire-fighting water mist system to prevent vehicle fires in the Bregenz City Tunnel



터널 (1,311 m)

| oject period: | 2014 |
|---------------|---------|
| ent: | ASFINAG |
| | |

Project description:

| - | • |
|---|------------------------------------------------------------------|
| - | Protection of the bi-directional tunnel in the centre of Bregenz |
| | reasonable for 10,000 upbiales you dout |

- Improved safety for 16,000 vehicles per day
- Tunnel length: 1311 m
- 3300–4300 litres of water per minute

| | 2.5 Gleinalm Tunnel, Styria (Austria) | |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| | Smoke gas cooling with high-pressure water mist for a vital traffic link between Leoben and the Graz region. | |
| | Project period: 2009 Client: ASFINAG | |
| 터널 | Project description: Smoke gas cooling in the exhaust duct of the tunnel ventilation system Protecting the tunnel ventilation system against overheating Especially fine water mist for an optimum cooling effect | |

| 비법 (2,450 m & 450 m) | 2.6 Roertun (Netherl | nel and Swalmentunnel, Roermond ands) |
|------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Stationary fire-fighting class. | g system for safeguarding transport loads of the highest hazard |
| | Project period: Client: | 2007 Volker Wessels |
| | interchanges – Roertunnel: – Swalmentun – Both tunnels | f the Roertunnel and Swalmentunnel as important s with the German transport network 2450 m, longest road tunnel in the Netherlands inel: 450 m long s have two lanes ree pump rooms |

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| | 2.7 Felberta | auern Tunnel, High Tauern (Austria) |
|---------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Fire protection with water mist for one of the most important north-south transport links in the Alps. | |
| | Project period: Client: | 2005 Felbertauernstraße AG |
| 5.3 km) | Protection prevent fire | of the tunnel tubes, measuring 5.3 km in length of the tunnel construction and implementation of measures to e spreading from a burning vehicle to other vehicles e heads and approx. 20 km of stainless steel pipe installed |

| | 2.8 Øresundsbron Tunnel, Copenhagen/Malmö (Denmark/Sweden) | |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Fire protection with water mist for one of the most important north-south t links in the Alps. | | |
| | Project period: 2005–2006 Client: Øresundsbro Konsortiet | |
| 터널 (4 km) | Project description: Protection of the cable ducts in the 4-km-long tunnel Improved safety for the some 20,000 daily users of this transport link | |

| | 2.9 Mona L | isa Tunnel, Linz (Austria) |
|---------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Water mist protection for central urban tunnel that provides a transport link to Linz's industrial zone | |
| | Project period: Client: | 2003–2004 ELIN GmbH & Co KG |
| 터널 (800 m) | Tunnel rou tramway | of the driving route through the 800-m-long tunnel ted below the railway links of the Western Railway and the afety for 22,000 vehicles per day |

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