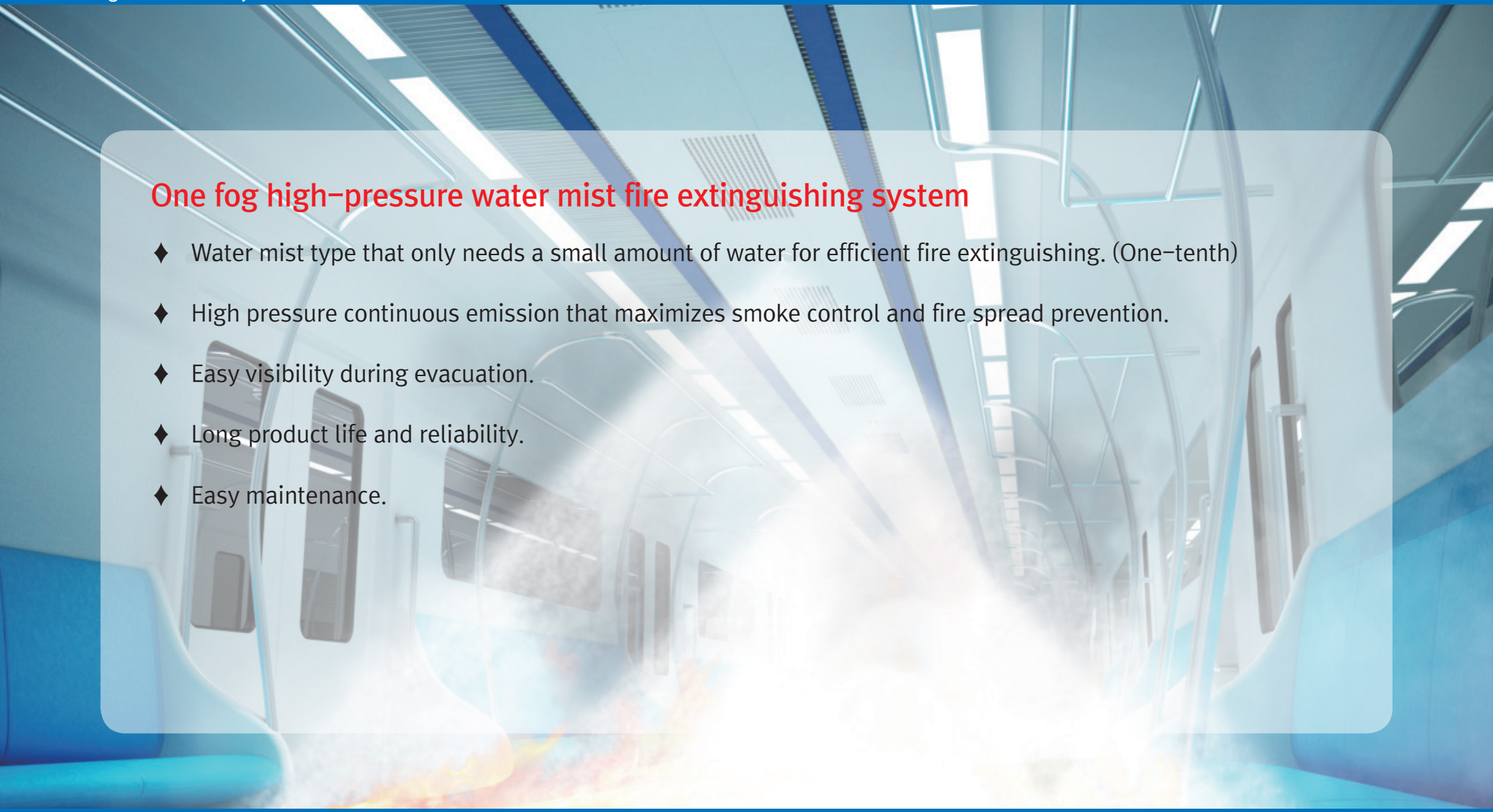
# One-fog™ Water Mist System

## Fire Protection of Subway & Train

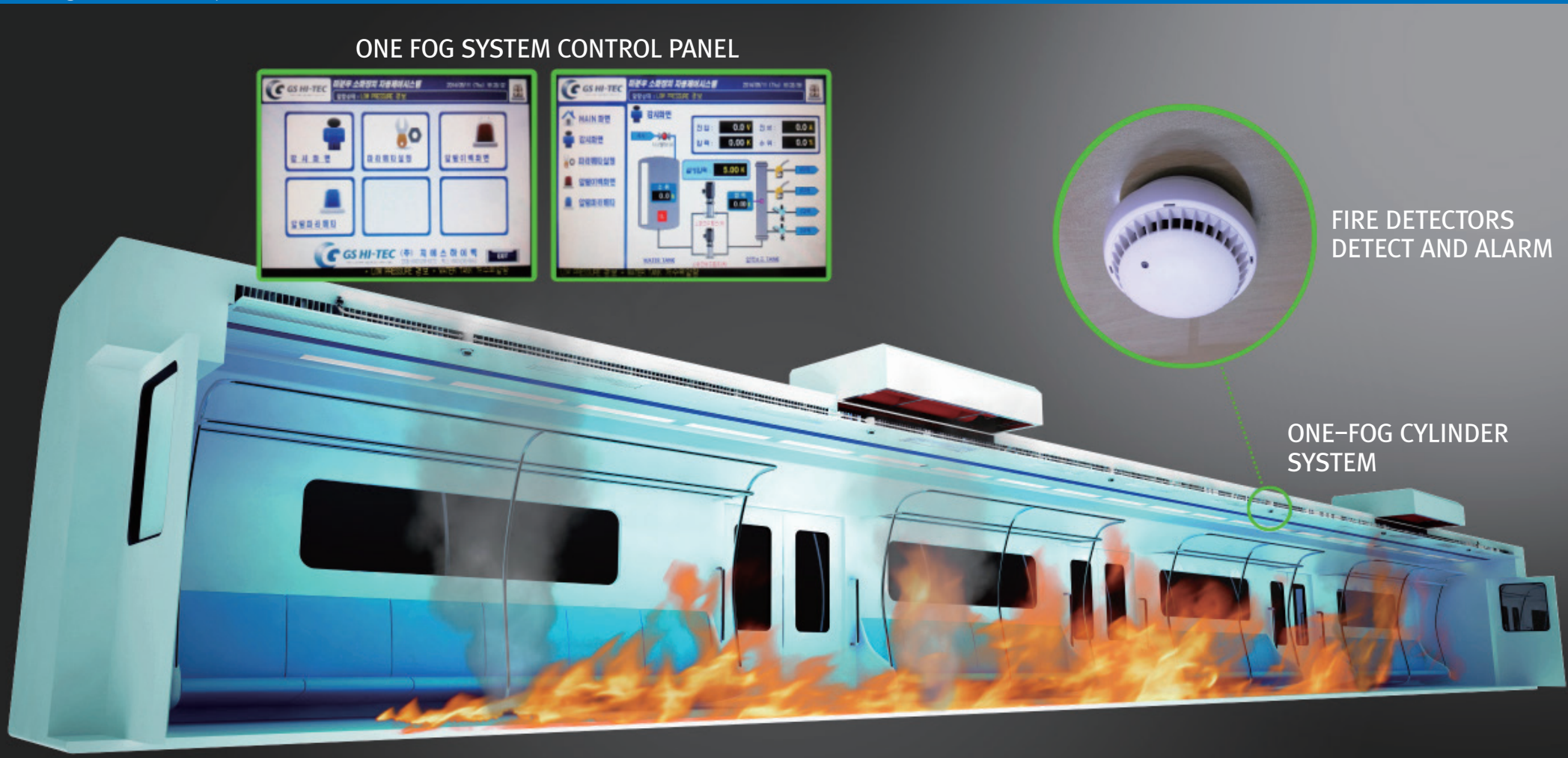
Fast and efficient means of transportation,
the true value of a train commences from the safety of its passengers.



## One fog high-pressure water mist fire extinguishing system

- Water mist type that only needs a small amount of water for efficient fire extinguishing. (One-tenth)
- High pressure continuous emission that maximizes smoke control and fire spread prevention.
- Easy visibility during evacuation.
- Long product life and reliability.
- Easy maintenance.

The One-fog high pressure water mist fire extinguishing system uses only 10% of the amount of water of a conventional system. Due to its high pressure continuous emission it prevents fires from spreading and by pushing toxic gases to the floor, it prevents suffocation and provides good visibility during evacuation.
One-fog system guarantees long product life and convenient maintenance to keep the trains always safe.




When a fire occurs in a train or subway, a smoke detector detects the fire.
Next, the section valve which controls the blocking or opening of the pipeline supplies water through the cylinder to the area where the fire is occurring. The nozzle sprays water with the water mist type in the appropriate way to suppress the fire.


A water mist fire extinguishing system allows effective prevention of fire spreading through continuous spraying of small amounts of water. By controlling the amount of smoke, you can also minimize the number of casualties caused by suffocation. Therefore, it is an indispensable fire extinguishing equipment for suppressing fires occurring in limited spaces or underground, as well as controlling the spread of toxic gases.

## Necessity of fire-fighting equipment for trains

The material used for producing trains is nonflammable and fire retardant, but there is a possibility of fires due to rectifier or fire protection devices and wiring systems. Fires are highly likely to spread more quickly in subways or in underground train tunnels due to air inlet.

(Ex: South Korea’ s Daegu subway disaster killed 192 people and injured 148 people. 340 total number of casualties).

Recently trains are made of nonflammable material and most interiors are made of fire retardant material so fires do not occur easily. But once a fire occurs, it often leads to a large disaster, so it requires initial installation of a fire suppression system.

## One-fog fire suppression system is a derivative-free following the initial fire suppression fire quickly the most appropriate system.

- Required for effective fire suppression fire must
- Extinguishing media should be to minimize the damage caused by the fire
- Should be applied to a variety of fire when
- Due to the nature of the fire-induced compact area when the digestive system is required
- When you need to minimize environmental damage