

## HI-FOG® for Ro-Ro *and Special Category spaces*



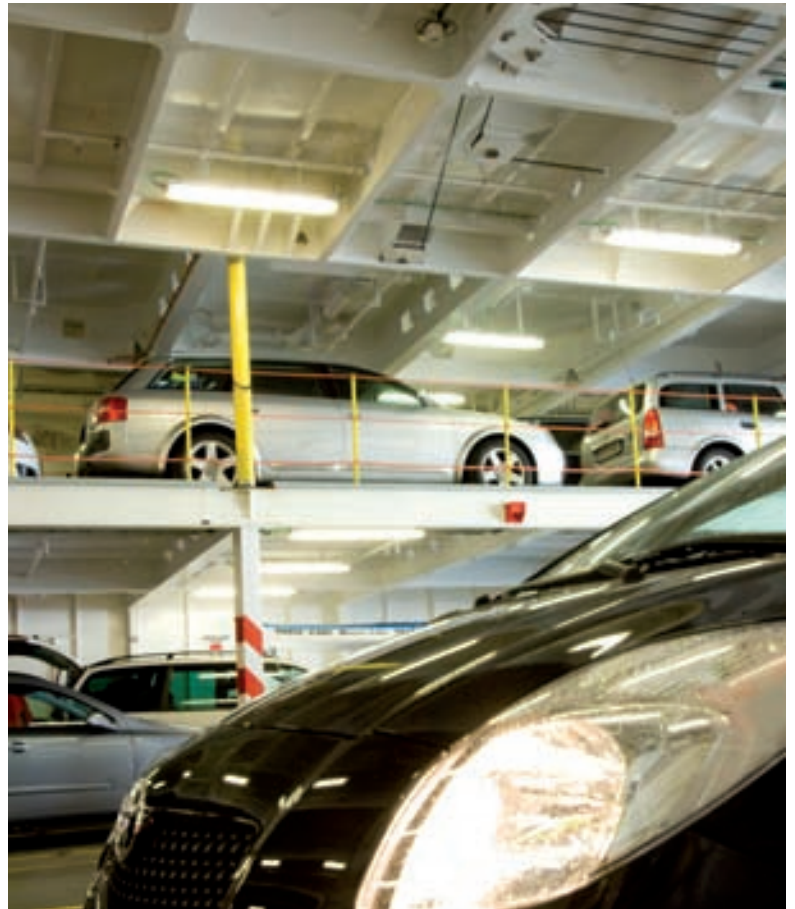
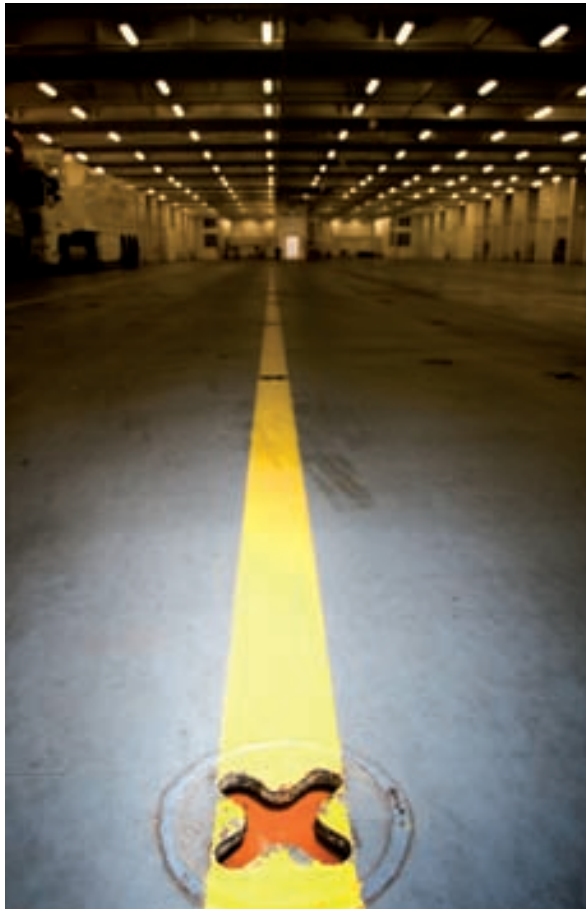
# If you have Ro-Ro business to protect from fire...



For many years, the HI-FOG® Water Mist Fire Protection System has been protecting the machinery and accommodation spaces of hundreds of vessels from fire. The system's track record at sea is exemplary, with many fires extinguished and much damage prevented. HI-FOG® is now approved by the IMO for protecting Ro-Ro and Special Category spaces as well.

There is a clear need for effective fire fighting in these spaces. Up to now, this need has been met by water-based drencher systems, gas-based systems and foam-based systems. All of these have major drawbacks which are now overcome by the HI-FOG® system for Ro-Ro and Special Category spaces.

# Don't wait, activate®



## Too much water

Conventional drencher systems use large amounts of water which can run free on deck, potentially spreading liquid fires and causing stability problems. The HI-FOG® system uses much less water.

## Lethal gas

Gas-based systems (e.g. CO<sub>2</sub>-based systems) are lethal to people and cannot be used during the time when most fires occur in Ro-Ro spaces: during loading and unloading. In contrast, the HI-FOG® system is harmless to people: as soon as a fire is detected, HI-FOG® is activated, suppressing the fire before it can spread and cause damage.

## Corrosive and messy foam

Foam-based systems are corrosive to metal. Clean-up is laborious and expensive. The HI-FOG® system uses plain, fresh water: it is harmless to vehicles and there is no clean-up.

# IMO-approved

The HI-FOG® system for Ro-Ro and Special Category spaces is fully approved in accordance with IMO MSC.1/Circ. 1272. It offers many advantages over conventional drencher systems and gas-based systems:

## It uses plain, fresh water

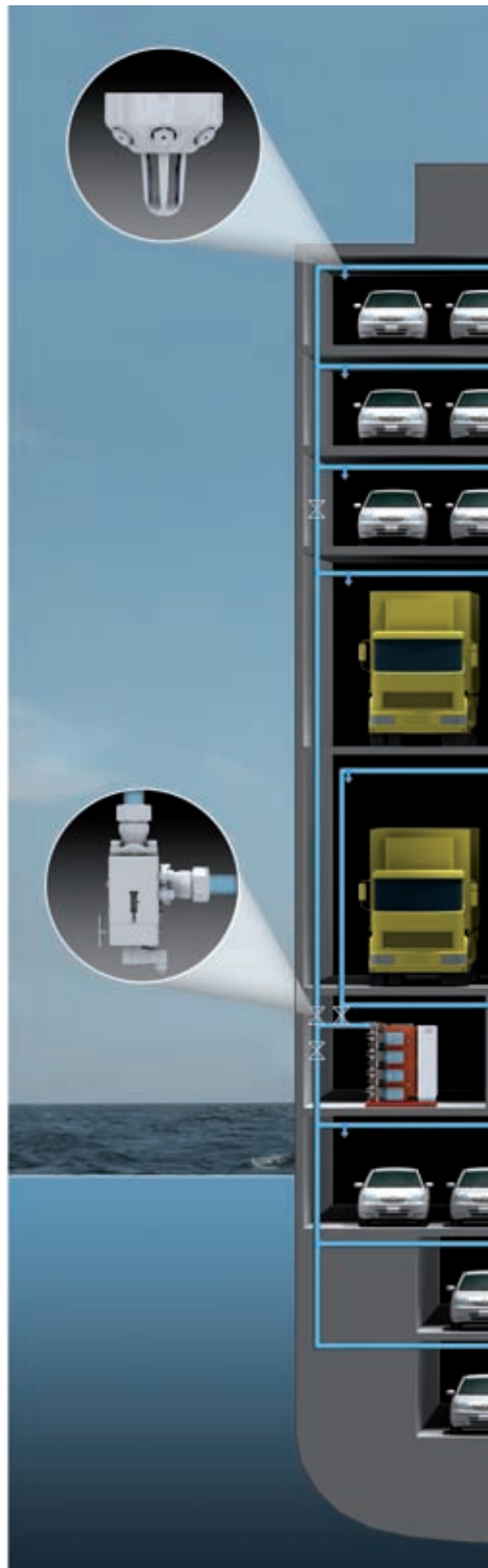
- Harmless to people
- Harmless to the environment

## It fights fire more effectively

- It can be activated immediately, preventing the fire from spreading
- It cools the space very effectively, preventing re-ignition
- It uses little water: no stability problems
- It never becomes depleted

## It is very cost-efficient

- Fast activation keeps fire damage to an absolute minimum
- Little or no clean-up
- One HI-FOG® pump unit can protect Ro-Ro spaces in addition to machinery and accommodation spaces





# Forecast calls for HI-FOG®

Marioff understands the threat that fire poses to your business and we do everything we can to eliminate that threat. This is a long-term proposition, and Marioff supports HI-FOG® over the complete lifecycle of the system.

## **Design services**

We will design the right HI-FOG® system for your Ro-Ro and Special Category spaces based on the ship size, number of Ro-Ro decks, and any special requirements you might have for special protection.

## **Installation**

Marioff is expert at installation. We have a long track record of successful turnkey installations on ships of all types and sizes if you need this option.

## **Service and maintenance**

Marioff provides a full palette of services to ensure that your HI-FOG® system stays in peak condition throughout its lifecycle. There is a 24-hour number to call in case of emergency.



## **Training**

As part of your overall safety regimen, Marioff will train your crew to operate and maintain their HI-FOG® system to make sure it performs at its best when it matters most — all the time.



# The world's pre-eminent water mist company

Founded in 1985, Marioff is the world's leading provider of water mist systems on land and at sea. Almost 1,000 passenger cruise ships, ferries and other marine vessels are protected by HI-FOG® at sea. About 1,500 installations are protected by HI-FOG® on land: heritage buildings and museums, hospitals, libraries and archives... the list is long and growing fast.

## Relentless fire testing

With over 6,000 full-scale fire tests behind it, the HI-FOG® Water Mist Fire Protection System is the world's most tested water mist system. HI-FOG® has been tested thoroughly for Ro-Ro and Special Category spaces and its performance in these environments is a known, impressive quantity.

## World's most approved water mist system

HI-FOG® has received more type approvals, across more application areas, than any other water mist system.





HI-FOG® 1000-series  
sprinkler head



HI-FOG® 1000-series  
spray head



12 mm stainless-steel HI-FOG® tube. Final tube to the  
sprinklers. Actual size. Typically, about two-thirds of all  
tubes are 12 mm.



38 mm stainless-steel HI-FOG® tube.  
Main distribution lines. Actual size.

The small-diameter, high-quality stainless steel HI-FOG®  
tubing bends easily around corners and obstructions.  
Installation is quick and clean.



The HI-FOG® high-pressure,  
electrically-driven pump unit.  
The standard option for  
protecting Ro-Ro and Special  
Category spaces in the marine  
environment.



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