Protect your occupancy rate

HI-FOG® for hotels
The bustling life of hotels can come to a sudden and unforgiving halt when a fire occurs. Rapid recovery after a fire is a priority in fire protection. With fast suppression and control of fire using small amounts of water, HI-FOG® keeps damage and downtime to minimum.

As the most tested and approved water mist system on the market, hotel owners, managers and guests alike can rest easy knowing they are protected by HI-FOG®.
Fire destroys commercial assets worth billions every year. The damage is caused by both fire and the water used to fight it. Traditional water-based systems rely on wetting to fight fire. The flooding is devastating and can spread far beyond the fire area. Business is lost as weeks or even months pass repairing damage.

There is a way to make water more effective in fighting fire. HI-FOG® suppresses fire by discharging a fine water mist at high velocity, swiftly controlling and suppressing a fire while minimizing smoke-related damage.

In a controlled demonstration, one HI-FOG® nozzle discharged around 380 liters (100 gallons) in 30 minutes using a gas-driven pump unit. Traditional sprinkler system, in turn, discharged some 3,600 liters (951 gallons) from a single nozzle within the same time period.

With minimal clean up, HI-FOG® helps reduce downtime so hotels can get back to normal operation.
As the pioneer of high pressure water mist fire protection, Marioff has decades of experience in installing fire protection solutions for buildings both new and old.

Today HI-FOG® protects well over one hundred hotels and conference centres the world over. Each installation benefits from the know-how Marioff has gained from thousands of installations on land and at sea.

Minimizing structural impact was paramount. Thanks to the narrow HI-FOG® tubing, existing spaces could be used to run the tubing into each individual room. The system is fed by a full capacity standalone water tank and HI-FOG® pump unit installed in a small basement vault room.

The HI-FOG® system was also extended upwards to protect both the apartments above the hotel. This allowed local authorities to give a concession allowing the building owners to forgo installing a fire barrier between the hotel and apartments, saving money and structure integrity.

Heritage site renovation
The old Midlands hotel at St. Pancras Station in London was reborn as the five-star luxury Marriott Renaissance at St. Pancras International. Finding its rightful place on the English Heritage list, this magnificent building was saved from demolition and turned into luxury apartments atop a new Marriott hotel.

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Modern high-rise protection

The new 32-story Zoofenster high-rise is the tallest in western Berlin. Located near the famous Tiergarten, the building will house luxury suites, office space and a 5-star hotel with conference facilities.

As fire safety is a major concern in all high-rises, the builders were faced with a challenge in securing the safety of future residents and guests. The original plans included a conventional sprinkler system, but tough fire protection requirements would have necessitated additional measures.

Marioff’s HI-FOG® water mist fire protection was introduced as an alternative after construction had already started. Fire tests carried out on site showed that HI-FOG® had the performance needed to meet requirements.

Working closely with the technical consultants on the project, Marioff helped find the right solutions for the building owner. HI-FOG® will protect all spaces in the building, from the floors below ground to office and hotel spaces in the middle and the luxury suites on top.

"With the fire tests on site, we were able to determine that HI-FOG® was the most practical solution for meeting the requirements as well as for optimizing other fire protection measures,” says Niklot von Bülow, project manager at Alpine-Bau, Zoofenster head contractor.

Zoofenster high-rise, Berlin.
Innovative hotel design
Applying the decades of experience creating modular systems for marine applications, Marioff has developed a HI-FOG® solution for the new CitizenM hotel chain. CitizenM uses a new building concept to create affordable luxury hotels for the modern traveler. One of their newest, CitizenM in London, will be protected by HI-FOG®.

The hotels of CitizenM use a modular construction with the bedroom pods produced in a central factory that are shipped to site for incorporating into the main structure. The main challenge was the restricted space to fit the pipes for the fire protection system. A demonstration at the pod factory was made to show how easily the HI-FOG® tubing fitted into tight spacing.

Marriott’s first in Algeria
Continuing a long-standing successful partnership between Marriott and Marioff, HI-FOG® was selected to protect the beautifully styled 5-star Renaissance Tlemcen Hotel, a Mediterranean jewel in Marriott’s crown.

Visitors enjoy a wide range of high quality services, and Marriott wanted to ensure they get an equally high level of fire protection. They needed a solution that could protect literally every space in the hotel: guest rooms, corridors, equipment rooms, the main lobby, storage room, high-ceiling conference rooms, a disco and more.

The project was a massive, international undertaking for Marioff. The HI-FOG® system protects nearly 440,000 square meters (430,556 square feet) of space. And yet it was very important to keep fire protection discrete for this luxury hotel. Careful planning and compact system components allowed for quick and easy installation, minimizing interruptions to hotel operations.
Seclusion on the Wye

Situated in a pristine landscape, the Aspen Wye River Conference Centers features both rustic and contemporary buildings. This unique and spectacular retreat posed considerable challenges for a fire protection system.

Situated in a remote area of Maryland, part of the charm of Wye River was also part of the challenge. The facility cannot draw from a public water supply, so a traditional sprinkler system would have needed a massive 102,206 liter (27,000 gallon) water tank.

This was unacceptable for the owners who wanted a fire protection system that preserves the aesthetics so appreciated by discriminating clientele.

The excellent performance and minimal water usage of HI-FOG® are critical to Aspen Wye. HI-FOG® currently protects the Houghton House complex of four buildings including 26 guest rooms and a conference centre.
Every installation of HI-FOG® is a serious matter. Marioff takes a proactive approach with each case, assisting in finding the right combination of fire fighting measures, taking care of approvals – whatever is needed ensure customers and their business are protected as best possible.

Operational excellence by Marioff Services
Marioff provides services for the whole life cycle of the HI-FOG® system. Marioff Services cover everything from rapid delivery of spare parts to customized, long-term service agreements.

Commissioning of the system is carried out by skilled service engineers to ensure compliance with design specifications. Preventive maintenance, troubleshooting and 24-hour Emergency Service are designed to ensure timely response world-wide.