



The HI-FOG solution for Sheraton Milan San Siro

Fast, efficient activation

Sprinklers installed in guest areas activate when temperature in their glass bulbs rise beyond an accepted temperature range. Pure water mist fights fire by cooling the fire and surrounding area, blocking radiant heat, and displacing oxygen at the seat of the fire.

A flexible integration

The HI-FOG system, with its low-diameter tubing and a single modular pump unit, was able to adapt to the existing structure while still achieving the highest level of fire protection and security.

Discreet fire protection

San Siro's HI-FOG sprinklers were designed to fit with the hotel's carefully designed spaces, keeping impact on guest experience at a minimum.

Five-star fire protection for Sheraton Milan San Siro with the Marioff HI-FOG® solution

The Sheraton Milan San Siro is a 4-star hotel located in an urban oasis on the western edge of Milan, in the business district – near the airport, San Siro stadium, and the historic Fiera Milano City.

The hotel opened its doors in 2019. Owned by International Hotel Investors Srl, it has fueled Marriott International's growth in Italy. With its distinguished design and local accessibility, the space caters both to business and leisure guests, with a focus on providing excellent service and guest experiences.

Business Challenges

The space was occupied by a pre-existing hotel without any internal fire extinguishing system. A key architectural and safety objective for the hotel was to avoid issues created by combining state-of-the-art systems with an outdated foundation.

To achieve this, the existing edifice was restructured significantly prior to opening. The new hotel features 310 guest rooms, 21 conference facilities, a fitness center, and spa – all of which needed to be protected by a fast-acting automatic fire suppression system.

Sheraton Milan San Siro began their search for a comprehensive and modern fire protection solution that could adapt easily to the new structure while guaranteeing the highest level of safety and security for guests and staff.



The HI-FOG Solution

Ultimately, Marioff HI-FOG was chosen – both because it met the needs of San Siro and the high safety standards of Marriott International.

The entire hotel is now protected by a single modular pump unit, the HI-FOG MSPU3 that has an output flow of 292 lpm at 140 bar, and consists of three pump modules that start sequentially, reducing peak power load.

The hotel's diesel generator room and thermal power plant room are protected by HI-FOG spray heads, which are always ready for

immediate discharge in the event of fire. All other areas, from the underground floors to the eight above-ground floors, are protected by HI-FOG sprinklers, which are equipped with heat-sensitive glass bulbs for automatic discharge at a predetermined temperature.

Results

With the new system, fast activation and effective fire suppression combine to maintain business continuity and minimize fire damage. The extinguishing agent – pure, high-pressure water mist – efficiently cools the seat of the fire and blocks radiant heat. As a result, the HI-FOG system requires

less water than other traditional extinguishing systems – reducing damage caused by activation and total downtime following a fire.

The installed HI-FOG sprinklers were designed to be discreet, blending seamlessly with the natural finishes, furnishings, and modernist Milanese architecture of the space – providing constant yet low-profile safety.



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