



HI-FOG solutions for Aspen Wye River Conference Centers

Less damage

Aspen Wye River Conference Centers wanted to minimize damage to its buildings, furnishings and equipment. HI-FOG uses significantly less water than traditional sprinkler systems.

Less water infrastructure

The conference center has no access to public water supplies; this is not a problem because HI-FOG draws its own water from compact, on-site tanks.

Flexible Installation

Installers hid the small, bendable stainless steel tubes from view by using crown molding and other design elements, making the system visually non-intrusive to guests of this elegant conference center.

Aspen Wye River Conference Centers choose Marioff HI-FOG® solution to protect guests and minimize water damage

Set on 1,100 acres of pristine land overlooking the Wye River on Maryland's Eastern Shore, the Aspen Wye River Conference Centers, a contemporary rooms and a state-of-the-art facility offering the very latest audio/visual equipment. Whether travelers visit Wye River for a wedding, business meeting or executive retreat, everyone relies on the conference center to keep them safe.

Business Challenges

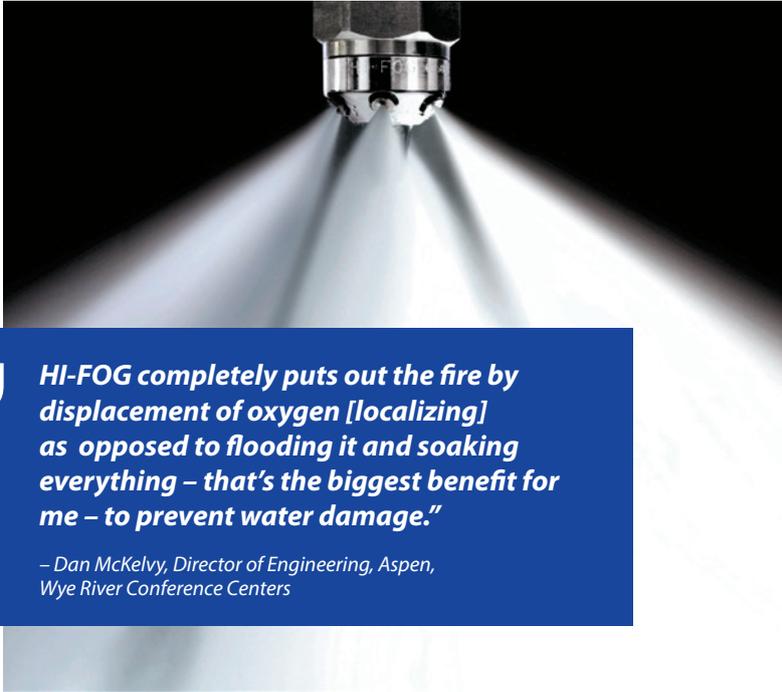
Aspen Wye River Conference Centers' unique and spectacular retreat posed considerable challenges for a fire protection system. The solution had to protect guests and minimize water damage to the buildings. "Our buildings are historic and irreplaceable. In my opinion, water does more damage than the fire," said Dan McKelvy, Director of Engineering, Aspen Wye River Conference Centers.

The picturesque conference center is located in a remote section of Maryland – that's part of the charm of Wye River and the challenge

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– Dan McKelvy, Director of Engineering, Aspen, Wye River Conference Centers



“**HI-FOG completely puts out the fire by displacement of oxygen [localizing] as opposed to flooding it and soaking everything – that’s the biggest benefit for me – to prevent water damage.**”

– Dan McKelvy, Director of Engineering, Aspen, Wye River Conference Centers

fire protection solution in areas where water is expensive, in short supply, not readily available, or where water pressure is low. HI-FOG also eliminates the need to extend water lines or increase water pressure.

Results

HI-FOG is currently protecting guests in Wye River’s Houghton House, a complex of four buildings including 26 guest rooms and a conference center.

“I have enough confidence in the system that I’m recommending it for our other projects. Hopefully I’ll never see it work, but I know it will if we need it,” stated McKelvy.

of protecting it from fire. “We are in a remote area and can’t draw water from a public supply,” says McKelvy. “We could have redesigned and continued using our existing sprinkler system, but that would have meant installing a 27,000-gallon water tank. I don’t like the idea of having a big tank sitting in the middle of this beautiful setting. You can’t make a water tank look good. The challenge of keeping the business safe while valuing that building’s unique characteristics drives our team of specialists forward. Small diameter stainless steel pipes were used for the HI-FOG suppression system, then it was easier to find discrete but efficient solutions that fit the building best.”

The HI-FOG Solution

Marioff’s HI-FOG uses significantly less water than traditional sprinklers; less water means less damage, faster cleanup and

minimal business interruption. HI-FOG draws clean water from compact, on-site tanks that can be hidden from view. The system’s small, bendable stainless steel tubes are easy to install, low-profile and can be tucked behind a variety of design elements, such as crown molding, that preserve building aesthetics.

HI-FOG uses high pressure to force pure, potable water through specially designed and patented sprinklers. The resulting mist, consisting of fine droplets, suppresses or extinguishes fires by cooling the fire itself and the air surrounding it, blocking the radiant heat and [locally] displacing the oxygen from the seat of the fire. The small droplets vaporize fast, absorbing heat very efficiently and ensuring safe evacuation of the occupants.

The HI-FOG system is an important



“**Because of the smaller tubes, HI-FOG was easy to install.**”

– Dan McKelvy, Director of Engineering, Aspen, Wye River Conference Centers



Marioff Corporation Oy
Äyritie 24
01511 Vantaa, Finland
+358 (0)10 6880 000
marioff.com

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 [MarioffHI-FOG](https://www.youtube.com/watch?v=MarioffHI-FOG)

