

Is your business safe from the consequences of a fire event?

Why change to high-pressure water mist?

The requirements on business continuity are increasing. However, traditional water-based fire suppression technologies often cannot keep up with this trend. During a fire incident, sprinkler systems suppress fires through surface wetting, damaging sensitive equipment and furniture in the process.

This mechanism can lead to extended downtime due to cleanup and refurbishment. Building owners and technical buyers should therefore carefully assess the acceptable risk and also think about the aftermath of a fire incident.



More than 70% of companies hit by a major fire were forced to discontinue their business within three years¹



The average cost of data center downtime has been estimated to be on the order of **\$300,000/h²**



Conventional fire sprinkler systems use a considerable amount of water, causing collateral damage to equipment and furniture

Here's why **traditional fire suppression** is not enough anymore.

- Conventional sprinkler system use a considerable amount of water, which leads to extended downtime after a fire event, caused by longer cleanup and equipment replacement efforts
- The large piping used in a conventional sprinkler system, and the fact that it is often built as wet-standpipe system substantially increases the load on the existing structure, often requiring expensive reinforcements and ruining the building aesthetic
- Conventional sprinkler systems often prove inadequate for areas with special fire risks, such as those arising from the increased use of lithium-ion batteries

1. "brandaktuell" magazine (number 20/05, page 4)
2. Fire Suppression Systems Association & Fire Industry Association. (2023). Effect of high airflow and aisle containment on clean agent system performance in data centers.



Increase your resilience to fire risk with high-pressure water mist

With Sinorix™ high-pressure water mist you can:

- Better protect people, assets and business continuity
- Preserve the aesthetics and unique characteristic of your facility
- Reduce long-term operational costs

Positive outcomes



Improved sustainability

High-pressure water mist decreases the ecological footprint of your fire suppression solution



Increased safety

High-pressure water mist creates safer evacuation routes and protects sensitive equipment from fire and water damage



Investment protection

High-pressure water mist unlocks indirect cost savings, extends the lifetime of your fire suppression system, while optimizing maintenance effort over time

Improvement by the numbers

When directly compared high-pressure water mist can unlock numerous benefits.



Up to 80 %

less water usage than conventional sprinkler systems



Up to 60 %

savings on water retention size



About Siemens Odense

The Sinorix high-pressure water mist system is an advanced fire suppression solution developed and manufactured by Siemens A/S in Odense, Denmark. Siemens Odense is our center of competence for high-pressure water mist and low-pressure CO₂ fire suppression technology. The company is deeply rooted in the marine fire protection industry. Over time high-pressure water mist has found its way into numerous land-based applications thanks to its higher suppression efficiency and various advantages.

Contact us

Find out how, with Siemens, you can improve the sustainability of your fire suppression system, create safer evacuation conditions, while safeguard your investment.



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Switzerland

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Suite 450
Alpharetta, GA 30005
United States

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