

An aerial photograph of a dense urban skyline, likely New York City, showing numerous skyscrapers and buildings packed closely together. The image is used as a background for the text.

Land Fire Protection  
Save Lives  
Reduce Damage



High-pressure  
water mist fire protection



[www.ultrafog.com](http://www.ultrafog.com)





## Delivering fire protection solutions for commercial, industrial, residential and heritage properties.

Ultra Fog fire protection solutions are custom designed to meet worldwide fire safety regulations.

Ultra Fog is an international brand founded in Gothenburg, Sweden, in 1990. The company specializes in the development, design and application of high-pressure water mist sprinkler systems. This high-performance product line results from a continuous research and development programme, quality-controlled manufacturing, extensive certification, and type approvals. Ultra Fog's global reach, aftersales service and maintenance guarantees customers benefit from lifelong product assurance and protection.

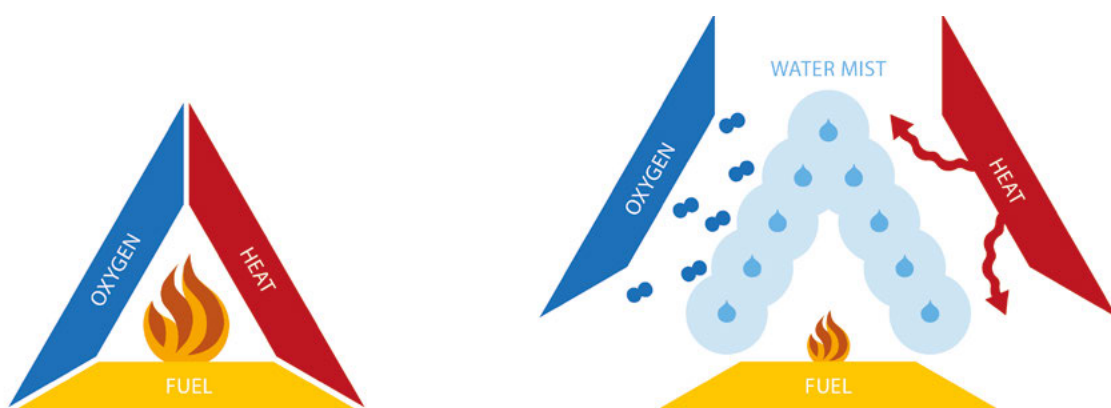


# Effective high-pressure water mist solution

Ultra Fog high-performance water mist fire suppression uses up to 90% less water than conventional sprinkler systems.

Ultra Fog water mist fire extinguishing system provide robust, effective, quality engineered solutions for applications that require optimal fire suppression while minimising the volume of water consumed and deployed. High pressure pumps force water through the stainless steel Ultra Fog water mist nozzles, discharging the water in the form of millions of tiny droplets – typically 30 – 200 µm diameter.

An activated system will create a blanket of water mist droplets that maximise heat absorption from the fire and subsequently displacing oxygen upon evaporation and expansion of the water mist as it converts to steam. Water mist systems are differentiated from sprinkler systems by mist's unique ability to present a much greater water surface area (enabling rapid heat absorption), combined with the mist's ability to remain suspended in the air for a much longer duration – thereby creating more exposure time for the heat absorption to take effect. This enables water mist systems to cool and suppress fire using considerably less water than sprinkler systems.



The Ultra Fog Drop Size is rated as Class 1 according to the National Fire Protection Association Code (NFPA, USA), which ensure effective fire fighting performance.



# High-pressure water mist system



ULTRA FOG  
BULB  
NOZZLE



ULTRA FOG  
OPEN  
NOZZLE



PUMP STATION  
P35



MICRO PUMP  
STATION



MASTER PUMP  
STATION

OH 1

office spaces,  
hotel rooms, hospitals,  
libraries, restaurants  
ceiling height up to 5m

OH 3

shopping centers,  
storage facilities  
ceiling height up to 5m

OH 4

cinemas, halls,  
theatres  
ceiling height up to 12m

OH 2

car parkings,  
industrial process  
ceiling height up to 5m

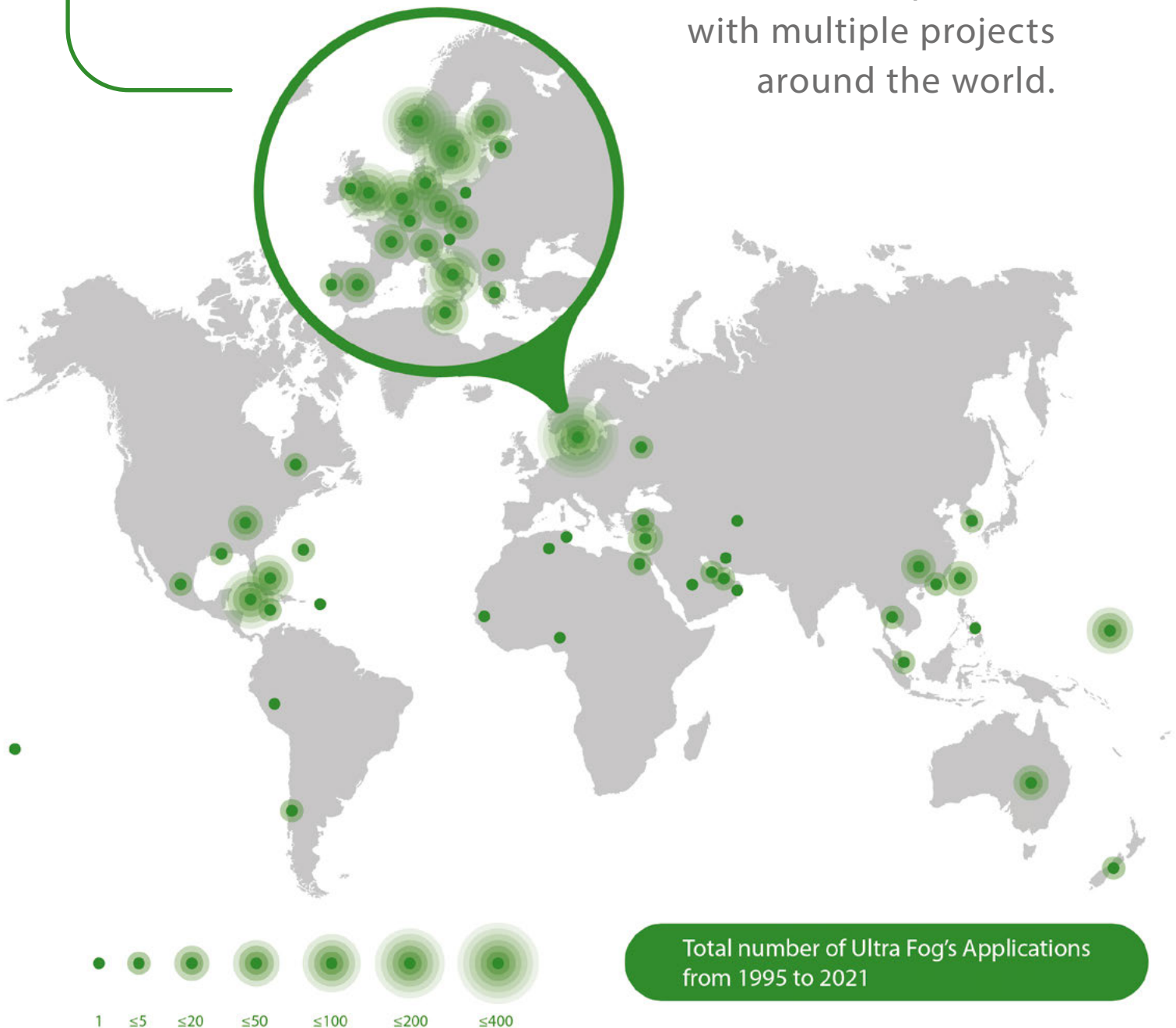
FM 5560

machinery space  
ceiling height up to 5m

Ultra Fog's Land Applications

A world leader in the development and application of quality fire protection solutions.

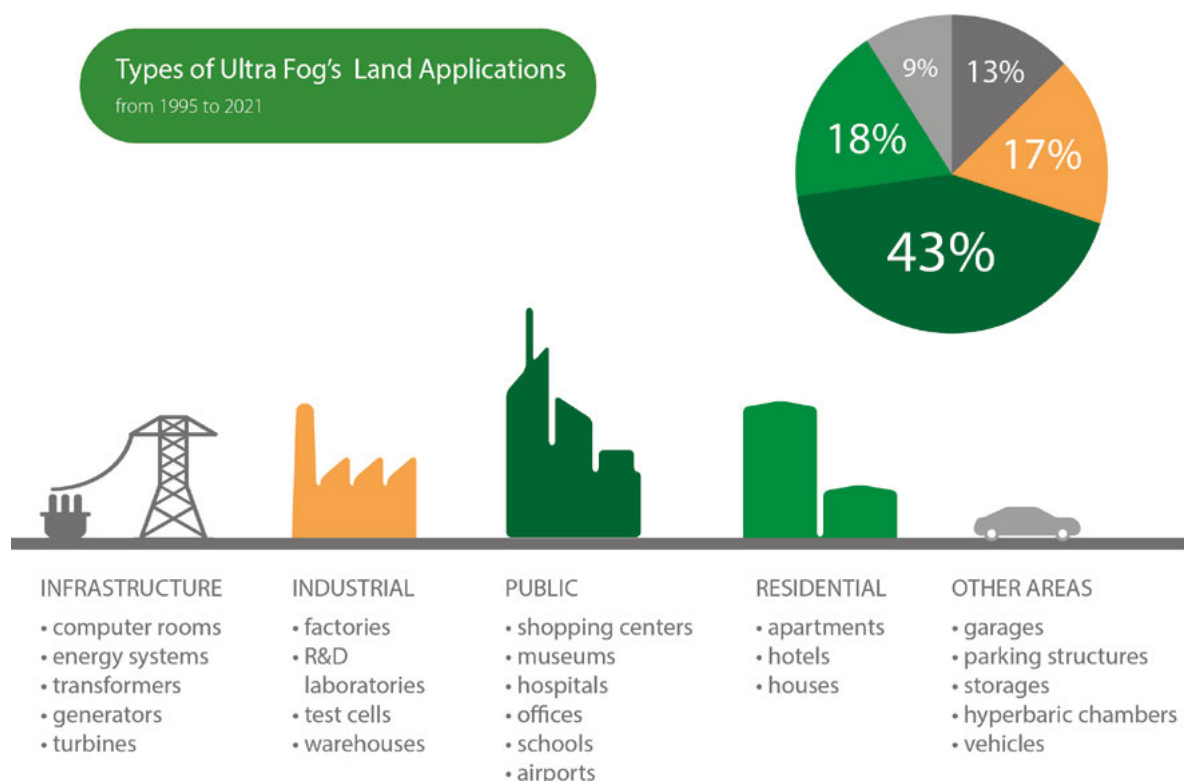
The company has extensive experience with multiple projects around the world.





## Ultra Fog delivers high-pressure water mist fire protection solutions for commercial, industrial, residential, heritage properties and transport vehicles.

When installed in commercial or industrial properties, the Ultra Fog water mist fire protection system provides an efficient, secure and compact safeguard. Installation of the system in a heritage building is indispensable because it reduces the damage in case of a fire. The small amount of water used saves all the precious artefacts from the fire and more significantly from water. In addition, because of low water consumption and, therefore, lightweight, the system can be easily placed in various vehicle types such as buses, trucks or heavy equipment transport. The Ultra Fog system is connected to an early warning detection alarm which allows prompt response to a fire condition. Combined, early detection, fast reaction, and low water consumption saves valuable property, sensitive equipment, precious works of art, and protects building occupants. Alternatively, systems can be integrated into the fire alarm providing double security and preventing the release of mist in the event of a false alarm.



# Cultural Heritage Protection







The Storting - Parliament  
in Oslo, Norway



Museum zu Allerheiligen  
in Schaffhausen, Switzerland



Nozzle Application,  
Manica Lunga Library, Italy



Scuola Grande San Giovanni Evangelista,  
Venice, Italy





## Features & Benefits

- Custom designed, efficiently engineered, high quality manufactured fire suppression systems.
- Highly effective fire system with fast response, which is easy to be put back into service.
- Rapid expansion of water droplets reduces the oxygen in the fire zone.
- Environmentally friendly, safe for people and highly reliable for customers.
- Aesthetically pleasing nozzles that can be painted in any colour the customer prefers.
- Risk of flashover is substantially decreased or reduced to zero.
- Small stainless steel pipe dimensions result in less weight, easy installation, and pipe networks that are simple to conceal.
- Reduced downtime and clean up costs following a fire event.
- The only water mist system that can be tested while in service using Ultra Fog's patented test tool.







## Service & Maintenance

Ultra Fog's service and support keeps your system in optimal condition.

With the proper care and maintenance, Ultra Fog offers protection at all times, even within the most demanding environments. The company provides servicing and maintenance for your sprinkler system, given by our trained engineers, to ensure the water mist system's long-term reliability. Ultra Fog also offers technical training for both distributors as well as customers.

Contact Ultra Fog global service network for maintenance, spare parts, or to sign up for a service contract.

**Email:** [service@ultrafog.com](mailto:service@ultrafog.com)

**Phone:** +377 99901481

# Fire Testing, Type Approvals and compliance:

Ultra Fog's Water Mist System has been fire tested by the Swedish Test Laboratory (SP), SINTEF - Norway and Danish Fire Laboratory (DFL), and the Southwest Research Institute (SwRI) and Baltic Fire Laboratory (BFL).

- FM5560 Data Processing Equipment Rooms/Halls (Appendix M and N)
- FM5560 Non-Storage Occupancies, HC-1, Part 4 EN14972
- FM5560 Turbine and Machinery in Enclosures, Part 14 and 15 EN14972
- Part 3 EN14972 OH1
- Part 10 EN14972 Annex A OH4
- Part 2 EN14972 Annex A OH3
- Part 5 EN14972 Annex A OH2
- Part 7 & 17 EN14972 Annex A, Residential Water Mist Systems
  - BS 8458 – Domestic and Residential Water Mist Systems
  - BS 8489 – Commercial and Industrial Water Mist Systems
  - NFPA 750
- Archive / Library CEN TS 14972 annex B, ref fire report BFL2020/TP02/001 and BFL2020/TP02/009
- Part 12 EN14972, Fat Fryer & Galley Hood
- Component testing by the laboratory of UL and FM
- Tunnel: Uptun, Applus+ guideline full scale fire test.
- Vehicle / Diesel Train: Regulation No. 107, Revision 7, Annex 13; Train test specification ALn663

Since 1990, Ultra Fog has been committed to a continuous programme of product development and fire testing in response to the latest rules, regulations, and standards around the world. Ultra Fog products are 3rd party tested and approved, in accordance with internationally recognised test protocols.

## Ultra Fog | Sweden

Faktorvägen 17Q  
434 37 Kungsbacka  
**Telephone:** +46 (0)31 979 870

## Ultra Fog | Italy

Via Dei Ghivizzani 1859  
55054 Massarosa  
**Telephone:** +39 0584 390609

## Ultra Fog | Italy

Via Vincenzo Monti 52  
20017 Rho (Milano)  
**Telephone:** +39 02 09943101

## Ultra Fog | United Kingdom

Office No. 113  
1010 Cambourne Business Centre  
Cambourne, Cambridgeshire CB23 6DP  
**Telephone:** +44 (0)1223 499180

## Ultra Fog | Monaco

57 Rue Grimaldi Block C/D  
98000 Monte Carlo  
**Email:** service@ultrafog.com  
**Telephone:** +377 99901481

## Ultra Fog | United States

3380 SW 11th Avenue  
Fort Lauderdale FL 33315  
**Email:** salesusa@ultrafog.com  
**Telephone:** +1 (954) 581 6996



info@ultrafog.com



www.ultrafog.com



www.linkedin.com/company/ultra-fog



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## Local Ultra Fog Distributor

