



Water Mist State of the Art and of the Technology

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Looking back

Two major factors that sparked the interest in water mist.

- Scandinavian Star 1990
- Ban on Halon 1994
- Founding of IWMA 1998



This led to the development of the IMO standards.

Long struggle to get general acceptance for land-based applications.



Looking back

Development of more sophisticated nozzles.

- Twin fluid nozzles
- Rotating nozzles
- Nozzles with deflectors
- Twin flow nozzles

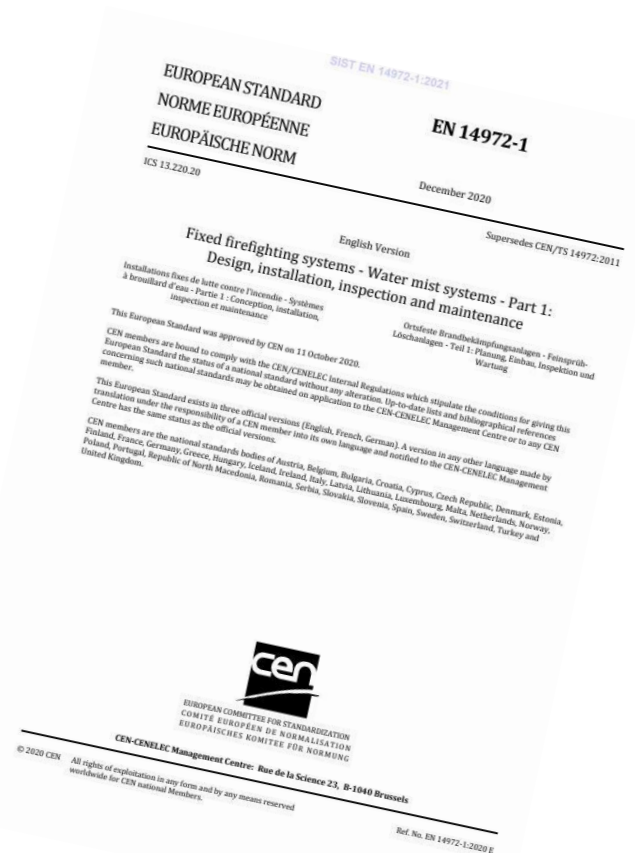
Water Mist only accepted for «special» applications.

Development of some nationale test protocolls

Today

We have come a long way already, we have:

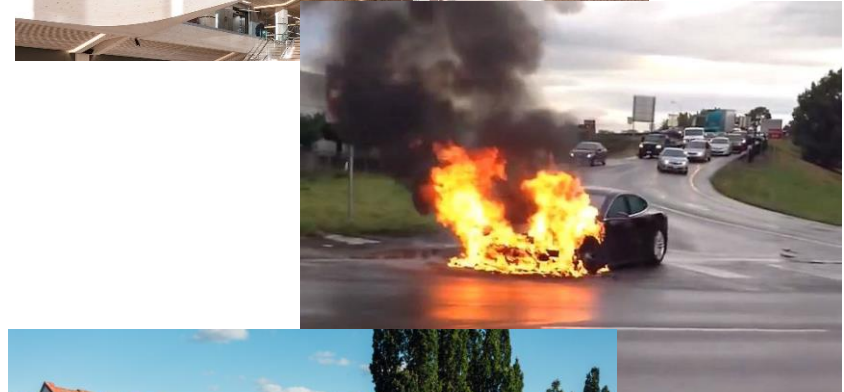
- An established technology
- A European standard in addition to FM and UL standards
- Documented efficiency
- A wide range of applications



What the future brings

The world is evolving, and new challenges needs to be addressed.

- Massive wooden building (cross laminated wood)
- Solar panels
- Energy storage in buildings
- Electric cars, car parks
- Environmental demands (wastewater)
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How to meet the future demands

The Water Mist industry needs to be innovative and open for new ways of thinking.

- Promote Water based extinguishing systems to open new markets
- Implement “intelligent” systems combined with more traditional systems
- Be proactive towards the new challenges
- Continue to promote the technology and document the effectiveness and reliability.
- Develop good and verified CFD models.

The future looks bright 😊

During the conference we have learned about several new and innovative ways of using water mist and systems that has to be in place to ensure best possible quality and reliability.

I believe that we together can meet all the new challenges that the future through our way.



21st International Water Mist Conference

Madrid, Spain

9th & 10th November 2022

Thanks to the Sponsors



Attendees / Statistics

Number of Countries:	19	Number of Participants:	90
Australia	1	Netherlands	7
Austria	6	Norway	5
Denmark	8	Poland	1
Egypt	1	Portugal	1
France	1	Singapore	1
Germany	16	Spain	21
Israel	1	Switzerland	2
Italy	6	United Kingdom	8
Luxembourg	1	USA	2
Mexico	1 35 newbies	



IWMA
International Water Mist Association

IWMA Young Talent Award 2023

Author of best Ph.D. thesis

Deadline: 28th April 2023



**All presentations are now
available at:**

<https://iwma.net/publications/conference-papers>



IWMA
International Water Mist Association

The 22nd International Water Mist Conference

will take place in

**Copenhagen, Denmark,
on 11th & 12th October 2023**



22nd International Water Mist Conference:

call for papers: 1st February 2023

abstract deadline: 15th May 2023

ticket sales starts: 15th May 2023



Have a safe trip home!
See you in **Copenhagen in 2023**
and in Antwerp
2024

