

## IWMA News

May 2018

### IWMC 2018 – Update

The 18<sup>th</sup> International Water Mist Conference will take place in London, UK, on 19<sup>th</sup> and 20<sup>th</sup> September 2018. The conference venue will be the Grange City Hotel.



The conference webpage is now active and accessible via the IWMA homepage. Like always, there is a big red button to guide speakers, sponsors and delegates.



On the conference webpage, delegates can register and find details about the booking of accommodation. There is also an attendee list and a roundup for sponsors (shipping address, delivery labels, schedule etc.). Plus: on 2<sup>nd</sup> July, IWMA will publish the programme on the conference webpage.

IWMA General Manager Bettina McDowell has sent all submitted abstracts to the Scientific Council and speakers will receive the notification of acceptance on 24<sup>th</sup> May. And: nearly all sponsorship packages (apart from the Gold Sponsorship) have been sold.

And here are this year's sponsoring companies:

**Platinum Sponsor:**



**Silver Sponsors:**



The International Water Mist Association wishes to thank the sponsors for their support!

Our special thanks go to Cristanini who will sponsor the Conference Reception which will take place at the end of the first conference day, 19<sup>th</sup> September!

## UK Seminar:



Ryan Conaghan, Marioff UK

On 1<sup>st</sup> March 2018, the International Water Mist Association held a seminar in the UK. Unlike in the two previous years, this was an event with a specific topic: “Fire Protection of high-rise Buildings with Water Mist”. Over 90 delegates had registered. However, due to the adverse weather conditions, only 50 made their way to BRE in Watford, near London.

However, the content of the seminar will also be published in Industrial Fire Journal and Fire Middle East during the course of this summer so that in the end even more people will learn more facts about water mist for high-rise buildings.

Another seminar was scheduled to take place in 2018. Now, the IWMA Marketing Group has suggested to postpone the Italian event and to shift it into spring 2019, which is a much nicer time to travel to Italy...

## Reports (IMO / CEN):

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Erik Christensen (Novenco), who is member of the IWMA Board of Directors, attended IMO SSE5 in March. Here is his report:

Many interesting topics were taken up during the meeting, amongst others, how to ventilate life boats/rafts. Now that they get very large (capacity of up to approx. 500 persons), some new problems have come up.

For the time being, this is of not much interest for the water mist community. However, there is the ongoing discussion about passenger ship safety and in particular RO-RO passenger ship safety in the working group. This discussion includes fixed fire systems in accordance with the MSC 1430 which covers both prescriptive water-based systems (sprinklers) and performance-tested systems (water mist).

Due to the growing size of RO-RO vessels, and consequently the large beams supporting the decks, and due to the content of MSC 1430, the installation of the nozzles has caused some concern in some cases. In accordance with MSC 1430, prescribed systems, the nozzle distance from the deck is not allowed to be more than 0.6 m for both automatic and open nozzles.

However, the question is then if this is also valid for the performance-tested systems? Or are they only allowed to be placed in the exact same distance from the deck as they were tested?

Another question was the interpretation of the MSC 1430 in respect of how to manually release the systems. IACS (International Association of Classification Societies) called for a unified interpretation, also this was discussed.

The exchange in the working group was intense and remained without a conclusion. The whole subject of RO-RO passenger ship safety was proposed to be continued in a correspondence group. Will be interesting to see the outcome; but we will probably have to wait some years to have an approved result of the discussions.

Nothing else of interest was discussed.



Erling Mengshoel (Prevent Systems) attended the CEN-Meeting (telephone conference) which took place on 9<sup>th</sup> April. Erling writes:

“The most important item was that the prEN 14972-1 will be sent back to TC191 for 2<sup>nd</sup> inquiry. All 346 comments from the first public hearing have been addressed by the WG. The standard will be on public hearing this summer, and any new comments will be discussed in the WG10 in November. [...] hopefully we will have a full EN standard published 1<sup>st</sup> half 2019.

Maarit Tuomisaari and Louise Jackman are working on a rough draft describing the test protocols (parts 2 – 17) for the November meeting. The protocols will be in a separate document, and will not delay publishing the main doc- EN 14972-1. As for other follow-up, I think watching out for when the document is back on public hearing is important. If a notification has not been sent out by mid-June, IWMA could inquire about expected dates. Other than that, it is waiting unless anybody else has suggestions for a follow-up...”

The 13<sup>th</sup> meeting of the CEN/TC 191/WG 10 will take place on 27<sup>th</sup> and 28<sup>th</sup> November in Berlin.

## Welcome! 😊

IWMA would like to welcome the following new members:



Since 2009, the Phoenix Fire Protect Development GmbH from the German federal state of Lower Saxony has been developing, planning, manufacturing, installing and maintaining fire suppression

systems based on high-pressure water mist. With its FLEXBASE system for various applications in industry and commerce, Phoenix applies the principle of 'total floating', i.e. misting entire protective areas. Similar to gas extinguishing systems, the flames are stifled by the displacement of oxygen during a fire. For special applications, such as for machine protection, the FLEXGRID system allows



Managing Director Stephan Luker (right) and  
Sales Director Thomas Staedtler (left)

flexible connection of individual (production) machinery along a pipeline grid. The field of activity is rounded off by the new Phoenix application FLEXIN, which enables concealed installation of the pipeline network, for example in listed buildings and for customers with unusual design requirements.

"We are pleased to be able to contribute to the IWMA," says Managing Director Stephan Luker, who has been working on mist fire-extinguishing systems for many years. Together with Sales Director Thomas Staedtler, he hopes for a lively and technically inspiring exchange of experiences and opinions with other IWMA members. "Of course, we are also willing to get actively involved in committee work," Luker continued. A very important concern of the management is to better position the high-pressure mist blasting technology than hitherto, in particular through the dissemination of professionally sound information, an exchange of experience between companies and association representatives at eye level, and targeted public relations. "We share the view of IWMA President Ragnar Wighus that mist fire-extinguishing systems are becoming increasingly

important, in particular because of their obviously high success rates and also because of the general increase in environmental awareness," says Sales Director Staedtler. After a very long period of preference for conventional extinguishing systems, he now sees the time has come to position mist fire-extinguishing processes much better in the fire protection market. "We are convinced that the work of the IWMA can make a valuable contribution to providing more openness and transparency in the development and recognition of innovative firefighting systems with water mist," summarizes Staedtler, who is also responsible at Phoenix for coordinating the association and committee work.

(This text has been handed in by Phoenix themselves)

## STERLING & WILSON



Sterling & Wilson was formed in 1927 as Wilson Electric Works and subsequently became Sterling & Wilson in 1971 when the Shapoorji Pallanji Group took a 51% stake in the company. The SP Group, owned by the Mistry family, is a well-diversified business house, with clients in over 50 countries, delivering complex and challenging projects for over 150 years. The Mistry and Daruvala families have been partners in S&W for 3 generations. This partnership continues to grow from strength to strength as the 4th generations of both families have recently joined the business.

When it comes to fire protection, the company brochure reads:

“In 2007, the company’s Fire Fighting division started providing a wide range of solutions with the help of a professionally qualified team in the area of life and property safety [...]. safety Within four years the company has already completed more than 15 projects in India and are executing more than 20 projects in sectors ranging from Commercial Properties, Hotels and Multiplexes to Shopping Malls, Hospitals, Industries and Power plants. The design team uses the latest drawing tools and software [...] to enhance design accuracy.”



My name is **Atefeh Eghbali**. I have studied Mechanical Engineering in Iran. By coincidence I started at a safety company providing fire protection systems. At the time, Water Mist Systems were very new in Iran and none of the companies was providing it. This attracted me to read more about it. Once I got a job in Norway I was asked to be the project leader for delivery of some water mist systems. This was the best challenge I could get. I learned a lot about the system through the test reports provided by SINTEF (Mr. Ragnar Wighus) and therefore kept on learning more about fire dynamics and fire modelling at Worcester Polytechnic Institute through their online program. My dream is to become a reference in Water Mist Systems. I am very interested to communicate with the IWMA members, mainly because I appreciate the guidance in this industry and I know that the IWMA members have great knowledge and experience.





"I am **Joseph Huang**, I work for RIHSI Fire protection company in Taiwan which is a distributor for VID Fire-Kill. I am very pleased to join the IWMA, and become one of the members."

## 20<sup>th</sup> Anniversary!!!

For the 20<sup>th</sup> Anniversary of the International Water Mist Association on 15<sup>th</sup> April 2018, there were a variety of activities. Some companies donated money directly others involved their employees, some people ran (under muddy conditions), some cycled ...





However, the target – to donate 8,000.00 € to Children of Fire International - was not reached. Therefore the fundraising page, via which you can donate, will remain open until the 18<sup>th</sup> International Water Mist Conference. To reach the target, 3,989.90 € are still needed ...

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Please get in touch with the IWMA headquarter in Hamburg if you have any queries!

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