

Watermist on trains: evolution of UNI 11565 Italian standard and case study.



Author: Massimo Farnesi

Company: Ultrafog s.r.l.

Via Grecale 33, 55049 Viareggio (LU), ITALY.

E-mail: massimo.farnesi@ultrafog.com

Author and Presenter:



Massimo Farnesi, Born in Viareggio, 16-07-1977. Electronic Engineer, graduated in Pisa University in 2006, working in the Fire Protection Industry from 2006, first with Clean Agent systems then involved in watermist business since 2011. Currently, Senior Project Manager at Ultra Fog following several marine projects, especially cruise vessels. During 2017 joined the R&D team to develop Train protection nozzles according to Italian standard UNI11565 standard. In 2020 he is nominated director for Transport business segment, that includes Watermist protection of Tunnels, Trains, Buses and Metro.

Abstract

Watermist protection on trains is widely used in Italy since several years, tested approved and installed according to standard UNI 11565.

This standard was recently updated increasing the safety requirements.

The presentation will show UNI 11565 updates concerning the watermist protection in passenger area and also a case study to show how to implement a watermist system on board of a train applying the latest UNI 11565 standard together with all other standards applicable on rolling stock.

KEYWORD: water mist systems, rolling stock, train protection system, UNI 11565.