Water Mist in High-Rise Buildings Application

How to meet Codes and Standards Requirements

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Bio

Chemical engineer as background, Francisco joined Marioff (Carrier Corporation) in 2011 after working for several multinational firms such as GE Plastics. He started as Account Manager in the Marioff Spain office to later develop the Latin American market as Sales Manager. He currently holds the position of Global Market Manager for High-Rise Building and Hospitality verticals.

Abstract

Water mist technology is in constant development and intended to cover new applications, both in the building and construction segment as well as in the industry and energy one. Any of these applications must be supported by full-scale fire tests as part of a type approval process, as stated in the recenty launched European standard, EN14972. By having the EN-14972 there is finally a legal framework for water mist systems in Europe.

In specific, we will review an application in continuos growth such as high-rise buildings. Those kind of buildings are posing some specific fire challenges that must be tackled. It will be explained, both the benefits that HPWM is bringing to the different stakeholders of a project (i.e. investors, operators, tenants, general contractors...), but also how to comply with the codes and standards around water mist systems and water mist components when designing and installing a project. Last, quality and reliability for the installation and lifecycle of the water mist system is ensured by a manufacturer's comprehensive training and documentation.

Keywords: high-rise buildings, benefits, standards compliance, quality and reliability