

## Smoke Management: fire-rated ducts for ventilation and smoke extraction.



Learn how to design a **smoke management system** that protects people, buildings, and assets in case of fire.

Join Marco Antonelli, global training director of Promat, on **9 September at 4 PM Brussels Time** (11 AM Rio de Janeiro Time) and learn about the importance of a well-designed smoke extraction system for your building. We bring you all the latest insights about the crucial role of smoke extraction and the protection of ventilation channels. Don't miss this informative and inspiring update from the global experts of Promat.

This advanced level webinar targets architects, engineers and fire safety specialists who know the basics of passive fire protection. Don't miss this great opportunity to learn more about this crucial aspect of fire safety engineering from the global expert.

**FREE LIVE WEBINAR**  
**9 SEPTEMBER**  
**4 PM BRUSSELS TIME**  
**(11 AM RIO DE JANEIRO TIME)**

## Why attend this webinar ?

A **smoke management system** is a crucial element in every fire protection plan. In case of fire, the ducting system evacuates smoke and hot air from a compartment so occupants can escape safely. At the same time, the ducting system will prevent the spreading of the fire through the ventilation channels. This crucial part of fire protection will help to control the fire while the fire fighters evacuate people and combat the fire.

Studies and statistics show that the greatest threat to life in a fire-related incident is not burns but smoke inhalation. The smoke generated by the burning content of a building can be extremely hazardous due to soot and aerosol particles floating in the air, combined with invisible toxic gases such as carbon monoxide, carbon dioxide and hydrogen cyanide. Smoke also obstructs light, reduces the visibility of escape signs, and makes it harder for occupants to find the escape route.

While the system's primarily goal is to protect people on their way to safety, it also helps to limit smoke and heat damage to the property and its content. The combination of both life and asset protection can help to lower insurance premiums and provide peace of mind that, should the worst happen, the building, and everything within it, is protected.

## What you will learn:

An effective smoke and ventilation management system is crucial in every large-scale building project. An architect or building engineer needs to consider the risk of fire and set up a plan to protect the building in such a way that people can be evacuated in time and the fire brigade can extinguish the fire.

The design objective of a smoke management system depends on its application. In a hospital environment, the system needs to extract the smoke as quickly as possible, protect the ventilation system and control the fire. In a large compartment, the focus will be on the reduction of temperature and on the protection of the escape route. Whatever the context, the goal is to maintain a tenable environment for long enough, so all occupants can safely leave the building.

During this webinar, the global Promat expert will show you how smoke management systems can contribute to a proper fire safety design and how an efficient (safety/cost) design of fire-resistant ducts can contribute to the safety of buildings.

The main tests and classification standards will be analysed and explained, together with some real case and examples.

**FREE LIVE WEBINAR**  
**9 SEPTEMBER**  
**4 PM BRUSSELS TIME**  
**(11 AM RIO DE JANEIRO TIME)**



**REGISTER HERE**