

Design Solutions: Smoke Protection at the Elevator Hoistway



Provider: **Smoke Guard, Inc. / Interior Tech**

Length: **1 Hour**

Credits: **1 AIA HSW CE Hour**

Description

The course will provide you a better understanding of how smoke migrates in multi-story building fires and how building codes in the United States have evolved to address this danger. Throughout this course we will illustrate the physics of vertical smoke migration in mid- and high-rise building fires and the hazards this presents for building occupants. The instructor will discuss how building codes seek to protect building occupants from this hazard and review various methods that have been developed to meet these code requirements to limit vertical smoke migration.

Learning Objectives

By completing this course, the design professional will be able to:

1. Understand the behavior of the fire and smoke in a mid- or high-rise building.
2. Understand how the building codes address smoke migration in a fire and the effect of smoke migration on the means of egress via elevator lobbies in event of a building fire.
3. Review the product applications that have been developed to assist in meeting building code requirements concerning the control of smoke migration via elevator hoistways, and in providing means of egress for building occupants.
4. Review the design options that comply with building code requirements for egress planning.

