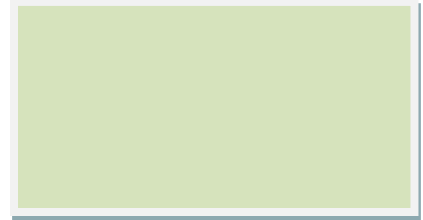




## Smoke Control Engineering System Design



### Professional Enhancement

- ◆ Enriches knowledge and competency in the design of smoke control systems for building design.
- ◆ Understanding the basic concept of various types of smoke control systems.
- ◆ Familiarize with the smoke control design procedures, inspection and approval processes in Hong Kong.
- ◆ Cases sharing.
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### Introduction

The objective of this course is to provide an opportunity for engineering professionals who want to learn the basic understanding of smoke control system design when designing buildings. This course emphasizes the basic concept of smoke control system design including staircase pressurization system, smoke extraction systems, etc. The design is based on BS 5588 Part 4 and Hong Kong Fire Services Department Code of Practice.

BS 5588 Part 4

### Content

#### 1. Overview of smoke control system (2 hours)

Introduction to smoke control system, including definitions, reference books, staircase pressurization system, smoke extraction system, other related smoke control systems.

#### 2. Overview of relevant standards (2 hours)

Introduction to (UK) Hong Kong Code of Practice for Minimum Fire Services Installations and Equipment and Inspection, Testing and Maintenance of Installations and Equipment, (HKFSD) relevant standards.

#### 3. Staircase pressurization system (2 hours) \_\_\_\_\_

Introduction to staircase pressurization system, including design process, design calculations, submission procedures, inspection and approval process in Hong Kong

#### 4. Smoke extraction system (2 hours) \_\_\_\_\_

Introduction to smoke extraction system, including design process, design calculations, submission procedures, inspection and approval process in Hong Kong

5. **Other smoke control systems (2 hours)**

Introduction to other smoke control systems, including ventilation air-conditioning control (VAC), zone pressurization system, etc.

6. **Case studies (2 hours)**

Various case studies will be presented

**Target**

Fire/Building Services/Civil/Structure Engineers, Architects, Surveyors, Town Planners, Contractors  
/ /

**Medium of Instruction**

To be conducted in Cantonese

**Venue for Enrollment**

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SLA, 6/F Block O, Macau University of Science and Technology, Avenida Wai Long, Taipa, Macau

**Venue for Class**

**Course Date & Time**

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**Tuition Fee** MOP 2,400

**Class Size** 40



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