

TRAINING TITLE

HAZARDOUS AREA CLASSIFICATION (COMPEX FOUNDATION)

Training Duration

5 days

Training Venue and Dates

HS2223	HAZARDOUS AREA CLASSIFICATION (COMPEX FOUNDATION)	5	22-26 September 2025	\$6,500	Paris, France
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In any of the 4 or 5-star hotels. The exact venue will be informed later.

Training Fees

- \$6,500 per participant for Public Training includes Materials/Handouts, tea/coffee breaks, refreshments & Lunch

Training Certificate

Define Management Consultancy & Training Certificate of course completion will be issued to all attendees.

COURSE INTRODUCTION AND DESCRIPTION

Hazardous Areas are those places, commonly in industrial sites, where a potentially flammable atmosphere may exist. The flammable substance is usually gas or vapor, but may also be dust or fiber.

The following sections are included in this module:

- Statutory and non-statutory requirements
- Characteristics of gas
- Area Classifications zone 0, 1, and 2.
- Concept of gas ignition protection
- Selection of apparatus
- Inspection and testing
- Management and remedial work.

COURSE OBJECTIVES:

The course shall provide delegates with the required knowledge on Protection of Electrical Equipment in Hazardous Areas. At the end of the course, participants will be able to:

- Appreciate that electrical items can be a source of ignition that could cause an explosion.
- Understand what is meant by zones, temperature factors, and ingress protection codes.

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- Understand how gas/vapor certified equipment could be used in Hazardous Areas according to CENELEC Standards EN50 014 to 020 and, ATEX 100a (Directive 94/9/EC) and ATEX 137 (Directive 99/92/EC).

WHO SHOULD ATTEND?

This Course is tailored for:

- Instruments & Control Engineers / Technicians
- Process Control Engineers / Technicians
- Electrical Engineers / Technicians
- Maintenance Engineers/ Technicians

OUTLINE AND TOPICS COVERED

Day 1

1. Introduction
2. Course pretest
3. Course topics
 - a. Statutory and non-statutory requirements

Day 2

- Characteristics of gas
- Area Classifications zone 0, 1, and 2.

Day 3

- Concept of gas ignition protection
- Selection of apparatus

Day 4

- Inspection and testing
- Management and remedial work.

Day 5

Case Studies

Videos

Complete previous project configuration using System One BN

Post-test

Final Assessment

Course evaluation

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TRAINING METHODOLOGY

A highly interactive combination of lectures and discussion sessions will be managed to maximize the amount and quality of information and knowledge transfer. The sessions will start by raising the most relevant questions and motivating everybody to find the right answers. You will also be encouraged to raise your questions and to share in the development of the right answers using your analysis and experiences. Tests of the multiple-choice type will be made available daily to examine the effectiveness of delivering the course.

Very useful Course Materials will be given.

- 30% Lectures
- 30% Workshops and work presentation
- 20% Group Work& Practical Exercises
- 20% Videos& General Discussions

NOTE:

Pre & Post Tests will be conducted.

Case Studies, Group Exercises, Group Discussions, Last Day Review and assessments will be carried out.

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