MICROPACK
FIRE & GAS
A Consilium Group Company

exida Academy

MICROPACK exida FGP
FIRE & GAS PRACTITIONER

Overview

When it comes to Fire and Gas Detection design and mapping, compliance is critical. Navigating through the nuances of differing design standards while carrying out mapping studies can often be a challenging task and that is exactly why we believe competence and training are crucial.

Micropack offer a globally recognized and independently certified training course which will result in a certification of competence in Fire and Gas Detection Technology, Design and Mapping. The course consists of 2.5 days of training and an optional exam set by 3rd party examination and certification body, exida.

Upon passing the exam, participants shall be awarded with a 3rd party certificate of competence in F&G Mapping, which is crucial in demonstrating competence in the design of F&G Detection systems. This exam is entirely independent of Micropack (Engineering) Ltd. and as such carries unique credibility in demonstrating competence.

Course Content—Learning Objectives

The course shall provide a comprehensive understanding of Fire and Gas Detection Systems including:

- Role & Action of Fire & Gas Detection
- Performance Requirements
- Design Considerations
- Legislative Requirements
- Industry Code of Practice

Strengths and limitations of use, and characteristics all detector technologies:

- Flame Detection: UV, UV/IR, IR, IR3, iVFD
- Smoke and Heat Detection
- Optical Point Smoke Detection, Ionisation, Beam Detection, Aspirated Smoke Detection, CCTV Smoke Detection, Point Heat Detection; Rate of Rise, Fixed, Rate Compensated, Fusible Loop, Fire Wire
- Gas Detection: Catalytic Bead, Toxic Gas Detection; Semi-Conductor Sensor Point, Electrochemical Cell, Open Path Laser, IR Gas Detection; Open Path and Point IR, Ultrasonic Gas Detection.

Considerations for Fire and Gas Hazards and applying hazard grades
Analysis of local hazards and subsequent detector locations

Course Locations

We have planned training courses around the globe as per the list below. For an updated diary see www.micropackfireandgas.com for all training courses.

If the locations below are not suitable, get in touch as we may be able to hold the course locally at your facility or in country.

- Aberdeen, Scotland
- Houston, Texas, USA
- Sellersville, Pennsylvania, USA
- Abu Dhabi, United Arab Emirates
- Singapore
- Mumbai, India
- Perth, Australia

exida

Note:
exida Examination take place immediately after completion of the training course. If successful, the delegate will be presented with an exida Certificate of Competence for Fire and Gas Detection Design, Technology and Mapping.

Please get in touch with a member of our team today to book your place on the next available course
sales@micropack.co.uk

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FGP Programme

Features and Benefits

exida—3rd Party Accreditation

exida Academy

3rd Party certified and accredited examination from exida, the global leaders in functional safety. This certification will enable all delegates to demonstrate competence in fire and gas mapping and technology.

Fire and Gas Mapping

HazMap3D

All delegates are trained in the full use of HazMap3D, the default fire and gas mapping tool used in hazardous process industries.

> *Well tailored training course with frequent references to engineering technical practices. This helped me better understand the thinking behind some of the requirements and how to apply in practice.*
>
> **Senior Instrument Engineer**
> **BP | United Kingdom**

Practical Demonstrations

The academic teaching is critical in the FGP program, however, so is practical fire demonstrations and hands on tasks with gas detection to affirm the knowledge gained in the classroom. These demo's are carried out at Micropack's dedicated Fire and Gas Test Ground.

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ISO 9001:2015 Certified

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