

# ONE DAY TRAINING PROGRAM

on F&G Mapping



**DATE : Friday 17th April, 2020 (09:00 17:00 hrs.)**

**VENUE : Delhi**

**Course Fee : INR 14,500/- excluding GST**

## Speaker Profile:

### MR. JITENDRA KUMAR

Mr. Jitendra Kumar is working as Director at DEKRA (India) Private Limited and is the Process Design and Safety team leader. He is a Chemical Engineer from IIT, Delhi. He has more than 27 years of Safety, Environment and Process Design consulting experience. At present he is managing the Indian business in Safety, Risk Management and Environment for Indian clients and looking after the South East Asia, Middle East, Africa and Australia projects carried out by DEKRA. His work experience includes executing and managing Safety and Risk consulting assignments at over 900 sites in the Asia Pacific region. These include Offshore Oil and Gas, Onshore Oil and Gas, Pharmaceuticals (API, formulations), Chemicals, Food, Agricultural Product, FMCG, Metals & Mining, Hotels and others



In addition to his rich consulting experience Mr. Kumar is an excellent and seasoned tutor. He is also a guest lecturer in Process Safety at IIT Delhi. His rich consulting experience and excellent teaching skills makes the program well worth attending.

## Course Content

### Introduction:

Fire & Gas Mapping is needed to improve safety and optimise systems by determining the optimum layout of fire & gas detectors within a facility and ensuring timely action from systems that reduce the extent of harm from hazardous scenarios. It is crucial to assess the Detector coverage, Fire & Gas Safety availability and Mitigation effectiveness for Fire and Gas Mapping and F&G Layout review.

Design layout of F&G system is an essential tool as it can be analysed & assessed to ensure coverage meets HSE requirements.

The industries must ensure that the detector configuration gives minimum redundancy, maximises the area coverage, and reduces the effort required for ongoing maintenance.

Fire & Gas Mapping involves identification of area of concerns and risk scenarios, Analysing consequences and hazard frequencies and Ensuring that the adequate gas detection, fire detection and firefighting facilities are provided at the respective plant site.

This workshop trains the participants to improve safety and optimise systems by maintaining high safety levels through determining the optimum layout of fire & gas detectors within a facility and ensuring timely action from system that reduce the extent of harm from hazardous scenarios. (For instance, early alarms for alerting personnel and early action enabling quick emergency shutdown.)

### Training Module:

- > Conditions for Fire & Explosion
- > Potential ignition sources
- > Toxic exposure Gases and Vapors
- > Fire hazards, F&G Systems
- 2 > Fire & Gas Mapping

- > Prescriptive / Performance Based approach
- > Risk Concept in FGS
- > FGS Effectiveness and how to manage
- > F&G Zone List
- > Consequence & frequency estimation
- > F&G coverage
- > Typical process industry applications
- > Type of detectors
- > Questions and Discussions

### Who Should Attend?

- > Top management handling HSE functions
- > Decision Makers
- > Process and HSE technocrats
- > Project Managers
- > Process Control Specialists
- > Risk Assessors
- > Line Managers

### From the following Industries:

- > Petrochemical Refineries
- > Oil and Gas exploration Units
- > Pharmaceuticals
- > Basic Chemicals/ Agro Chemicals
- > Polymers / Resins
- > Manufacturing (Processing industry)

## Would you like to get more information?

Contact Us

### DEKRA Process Safety

The breadth and depth of expertise in process safety makes us globally recognized specialists and trusted advisors. We help our clients to understand and evaluate their risks, and work together to develop pragmatic solutions. Our value-adding and practical approach integrates specialist process safety management, engineering and testing.

We seek to educate and grow client competence to provide sustainable performance improvement. Partnering with our clients we combine technical expertise with a passion for life preservation, harm reduction and asset protection. As a part of the world's leading expert organization DEKRA, we are the global partner for a safe world

For more information, visit [www.dekra-process-safety.in](http://www.dekra-process-safety.in)

### Course Registration:

- Course Fee: 14,500.00 INR (Fourteen Thousand Five Hundred only) per participant exclusive of GST.
- Registration is on first come first serve basis. For Registration, please send the filled registration form along with the course fee to our Delhi office.
- Please note the course does not include the cost of travel, lodging and boarding of the participant.
- A maximum of 25 participants are allowed per training session.
- Course fee can be sent through Cheque/ DD/ in favour of **DEKRA (India) Private Limited**, payable at Delhi/Mumbai and must be paid before the start of the course, i.e. up to registration time.

### Course fee can also be sent through RTGS/NEFT.

The details are as follows:

Beneficiary's Name : DEKRA (India) Private Limited  
 Bank Name : ICICI Bank, New Delhi Branch  
 Swift Code : ICICINBBCTS  
 Bank A/c.No. : 000705018701  
 Account Type : CURRENT ACCOUNT  
 Address : 9A, Phelps Building, C.P.,  
 New Delhi- 110001  
 Branch IFSC Code : ICIC0000007  
 (Applicable only for RTGS)  
 GST No. : 07AACCC0242P1ZP

### Cancellations:

All reservations in writing are subject to cancellation conditions. Written cancellations, received up to 5 working days before the course date will be fully refundable. Cancellation within 5 working days are not allowed, however, substitutions can be made. No refunds will be made for non-attendance. Substitutions may be made at any time up to the start of the course. DEKRA (India) Private Limited reserves the right to modify or cancel the course up to 4 working days prior to the commencement date.

Please register online: [www.dekra-process-safety.in/training-registration](http://www.dekra-process-safety.in/training-registration) or fill in the registration form below!

## Registration Form:

Please book me for:

**F&G Mapping on 17<sup>th</sup> April, 2020 at Delhi**

Enclosed herewith Cheque / DD in favour of '**DEKRA (India) Private Limited**'

for Rs. \_\_\_\_\_ Dated \_\_\_\_\_ Drawn on \_\_\_\_\_

Name of the Participant(s) Dr./Mr./ Ms.: \_\_\_\_\_

Designation/ Job Title: \_\_\_\_\_

Company Name: \_\_\_\_\_

Address : \_\_\_\_\_

Pin Code : \_\_\_\_\_ Country : \_\_\_\_\_

Mobile : \_\_\_\_\_ Email : \_\_\_\_\_

Signature : \_\_\_\_\_ Date : \_\_\_\_\_

For Details Contact:

**Megha Malhotra**

Mobile: +91 98182 81903

Email: [megha.malhotra@dekra.com](mailto:megha.malhotra@dekra.com)

**Sonal Gaur**

Mobile: +91 88007 96687

Email: [sonal.gaur@dekra.com](mailto:sonal.gaur@dekra.com)

