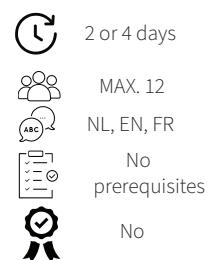


# MANAGING ATEX RISKS

This training is developed for project managers, OH&S professionals or project engineers to help them better understand and manage exposure to explosion related risks.

This training course can be taken over 2 days or a more advanced 4-days version is also available depending on requirements.



## TRAINING OBJECTIVES



### Manage explosion risks on site

Apply the integrated safety approach to reduce the risk of creation of an explosive atmosphere, avoid ignition sources and reduce the adverse effects of an explosion.



### Ensure the safety of workers

Understand the legal obligation of employers regarding the organisational measures to be put in place. Overview of the different solutions and points of attention to ensure safe working.



### Know the difference between the types of ATEX zones

Discover the different methods that can be used to classify gas or dust zones and know the advantages and disadvantages of each method.

## CONTENT OF THE TRAINING

### The phenomena of gas and dust explosions

- Characteristics of flammable substances
- Specific case of dusts
- Examples of explosions and explanation of the causes of accidents
- Classification of ATEX zones (gas and dust)

### Additional content for the advanced training

- Explosion protection methods
- Bringing old installations into compliance
- How to write an explosion protection document (EPD)
- Practical cases and exercises

- Marking of equipment
- Intervention rules in ATEX zones
- Possible ignition sources and how to avoid them
- ATEX regulations and employer's obligations
- Concept of risk analysis for explosive atmospheres

- Phenomena of static electricity
- Inspections and maintenance requirements
- ATEX zoning according to IEC 60079-10
- Inerting of installations



Certificate of participation issued for all participants present during the complete training.

### About ISMA

Specialized in the science of dust and gas explosions, ISMA has decades of practical experience in indentifying, analyzing and assessing explosion risks in various types of industrial processes and equipment. ISMA assists customers in several ways in managing their exposure to explosion risks. Please see [isma.be](http://isma.be) for more information.

