

Safety of explosives in the management of Security

Targets: To provide effective and functional tools for a proper management of problems in the field of Security, related to the explosives threat in companies, agencies, factories, etc..

Contents:

- General remarks of explosives
- History, features and properties of "conventional" explosives;
- Safety and technology of "conventional" initiation systems;
- "Non conventional" explosives and initiation systems;
- Detection techniques and technologies;
- Risks analysis and Safety procedures.

Duration: 4 hours

People concerned: Workers, Persons in charge, Managers and Agency's Officers involved in the field of Security.

Blasting demolition of structures: guidelines for a proper risks analysis

Targets: To provide effective and functional tools for a proper risks analysis in the handling and use of High explosives in the fields of Industry and Engineering.

Contents:

- The use of High explosives in the fields of Industry and Engineering;
- Direct, indirect and induced risks: their analysis and passive/active mitigation approaches;
- Field tests and technologies to characterize material to blast;
- General remarks of High explosives, features and properties;
- Parameters of performance of High explosives;
- Proper calculation of safety distances;
- Analysis of related risks.

Duration: 3 hours

People concerned: Workers, Persons in charge, Managers, Engineers and Agency's Officers involved in the fields of High explosives, Safety and Controlled demolitions.

Blasting demolition of structures: effective evaluation of techniques for a proper project plan management

Targets : To provide effective and functional tools for a proper evaluation of the right techniques to use in the controlled demolition of structures.

Contents :

- Controlled demolition of structures;
- Ultimate technologies;
- The proper evaluation of a demolition intervention - Case study;
- The demolition plan;
- Machine demolition and structural disassembly;
- Blasting demolition techniques;
- Field tests and technologies to characterize structures to blast;
- Techniques comparison between machine and blasting demolition.

Duration : 4 hours

People concerned : Workers, Persons in charge, Managers, Engineers and Agency's Officers involved in the fields of High explosives, Safety and Controlled demolitions.