

## Fire fighting advanced and rescue

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**Duration** 2 days

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**Target group** This course is suitable for any company requires training its prevention and firefighting brigade, or any firemen who want to gain advanced skills and specialized knowledge to lead and manage complex firefighting situations.

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**Prerequisites** Basic Safety Training or Basic Firefighting Training and Self-Rescue, Physical and Medical Aptitud.

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**Objective** At the end of the training the Delegate will:

- Learn about command and control of fire equipment.
- Organize and training firefighting groups Investigate and report of fire incidents.
- Apply skills in real fire events.
- Training to control and coordinate firefighting operations.
- Focus on the organization, fire techniques and lead.

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**Contents** Following topics will be covered during the training:

- 4 elements fire identification
- Adequate techniques to firefighting
  - identify fire types as norms and standarts NFPA and mexicanNOM-002-STPS-2010.
- Correct techniques to select portable extinguisher according to fire type.
  - o Water
  - o Dry chemical dust
  - o CO2
  - o Foam
- PTW (Hot Works)
- Intrinsically Safe Equipment Identification
- Fire retardant material application and Explosion proof
- Physical ground and estatic electricity control
- Extinguisher agents and equipments
- Victim Dragging and Moving Techniques
- Hazards and Risks evaluation on industrial process
- Detection and firefighting
  - o Automatic systems (Inert Gas, Dry chemical, Foam)
  - o Deluge System
  - o Detección System
- Explosive and Toxic Atmosphere
- Emergency alarm, massive communication and notificationsystems
- Fixed monitoring and pumping systems
- Equipment for Firefighting and rescue
  - o Rollover
  - o Flashover
  - o Backdraft
  - o BLEVE
- Explosion
  - o Deflagration
  - o Detonation

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- Especific FireFighting EPP
  - Hydrants and hoses
  - Energy Isolation Procedure
  - House on Fire Practices
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**Exam**

Delegate will demonstrate competence in the development and use of firefighting techniques and final test.