



The mission of Centro Jovellanos is to implement, develop and design comprehensive rescue and maritime safety training systems that are high quality, highly specialised, certified, innovative, and sustainable to ensure the most remarkable levels of professional training.

Train, provide, reduce, innovate and guarantee are the five key goals of the Jovellanos Centre, which is the training centre of the Spanish Maritime Search and Rescue Agency, a public entity dependent on the Ministry of Transport, Mobility and Urban Affairs.



TRAIN: Understand the needs of professionals and propose efficient solutions to act in emergencies.

PROVIDE: The necessary knowledge to implement tasks successfully at the workplace.

REDUCE: Reduce fatalities and damage to the environment through training, thus avoiding risks and accidents.

INNOVATE: Develop comprehensive virtual reality training methods that improve knowledge.

ENSURE: The implementation of our quality system when designing and developing our training activities.

COURSE BACKDRAFTS GENERATION & CONTROL

TARGET GROUP

This course has been designed for personnel from fire brigades and industrial fire-fighting services.

Requirement: Prior knowledge is required on the use of the SCBA equipment and fire hoses.

Trainees must provide proof that they have passed a medical examination that includes electrocardiogram. Trainees shall bring their own fire boots to the course.

TRAINING

Objective: Recreation of real situations in which explosive gases can be generated during a fire. Trainees shall acquire the knowledge and skills required to deal with gases when there is an imminent risk of explosion or to rescue victims safely, and they will directly experience the effects of a backdraft:

Observing the development of the fire, symptoms and effects caused by the explosive gases.

Apply fire-fighting techniques to cool down mixtures of explosive gases.

Apply and develop a working method to tackle indoor fires in which the risk of a backdraft arises.

DURATION

The course consists of 21 certified hours, it's delivered over a period of 3 days.

PROGRAMME

Development of fuel-controlled fires. Scaled-down demonstration.

Differences between flashover and backdraft.

Development of ventilation-controlled fires. Important factors.

Fire gas explosions.

Preparing and checking equipment.

Exercises involving the recreation of a backdraft in a container.

Analysis and assessment of the exercise.

Final assessment.

Practical training: The exercises shall take place in scenarios that enable the application of the theoretical knowledge acquired regarding backdrafts.

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