

Decommissioning Safety

Session: Once or twice a year

Registration deadline: 3 months prior to course

Duration: 5 days
Certificate of attendance will be issued to participants who attend the full course.

Price: €2,500 for participants

Code: CO1012

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Contact

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Online catalogue

www.enstti.eu/training-catalogue

Examination:

Knowledge testing (multiple choice exam) will be performed on the full course content and successful candidates will be issued with a Knowledge Certificate.

Teaching methods:

Lectures, discussions and practical sessions are included.

Working group exercises and technical visits are supervised by experienced TSO experts.

A USB stick containing the course material will be provided.

OBJECTIVES

To address topics relevant to the decommissioning of nuclear facilities. The training will consider aspects of national and international regulations, practical experiences and working-group activities related to the conduct of regulatory review.

TARGET AUDIENCE

This training is intended mainly for professionals from nuclear regulatory authorities and technical safety organizations (TSO).

PREREQUISITES

Participants should have work experience and be familiar with fundamentals on different types of nuclear facilities.

LEARNING OUTCOMES

Participants will acquire:

- The fundamentals of decommissioning of nuclear facilities, including, inter alia, aspects of planning, conduct and termination of decommissioning.
- Detailed knowledge on the decommissioning of different types of nuclear facilities and on start points for decommissioning phases.
- Feedback on licensing and supervision experience during decommissioning.
- An introduction to an internationally accepted methodology for conducting decommissioning safety assessments.
- An introduction to an internationally accepted methodology for the regulatory review of decommissioning safety assessment results.
- Information on safety assessment and related reviews from national examples.
- An understanding of how safety assessment results are implemented during decommissioning operations.

PROGRAM

The training will start with an overview of decommissioning aspects and the presentation of ongoing decommissioning projects (NPPs and fuel cycle facilities). This will ensure that all participants share the same understanding of decommissioning, and will set the scene for the further lectures.

On Day 2, a presentation of the methodologies used in France to make safety assessments and conduct regulatory reviews of such assessments will be the starting point for lectures by specialists on the following subjects: risk identification; human factors; radiation protection; fire safety; risks linked to handling activities during decommissioning; and radiological characterization vs. waste management.

A test case in radiation protection during decommissioning will be proposed to illustrate how to deal with these issues, and a specific session will be dedicated to innovative techniques for decommissioning, featuring 3D simulation and contaminated site characterization with geostatistical concepts.