



## Human and Organizational Factors

**Session:** Consult on-line training schedule

**Registration deadline:** 3 months prior to course

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

**Price:** Contact us

**Code:** CO1025

[REGISTER NOW](#)

### Contact

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### Online catalogue

[www.enstti.eu/training-catalogue](http://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 provide a detailed overview (concepts and methods) in the field of Human and Organizational Factors (HOF).

### TARGET AUDIENCE

This training is intended for:

- engineers.
- researchers.
- other professionals from Nuclear Regulatory Authorities (NRA) and Technical Support Organisations (TSO) involved in nuclear safety activities.

### PREREQUISITES

Participants are expected to have basic knowledge of nuclear safety activities.

### LEARNING OUTCOMES

Participants will be able to:

- Estimate the different factors influencing working situations, such as the environment, rules, organization, management or human actions.
- Understand, for a given working situation, the differences between the prescribed task and the actual one.
- Evaluate the contribution of human action in the global reliability of high risk systems like nuclear industries.
- Identify the contribution of HOF studies to nuclear safety at every step of the facility life cycle (design, operation, dismantling).
- Understand the HOF methodology to lead an event analysis.
- Acquire a global view of the key organizational features of a learning process in high risk systems such as nuclear industries.
- Know the conceptual and theoretical basis useful to understand crisis management in a globalized world.

### PROGRAM

The 5-day training module will cover the following subjects:

- The Überlingen Accident working group.
- Introduction to Human and Organizational Factors: key concepts and methods.
- From human error to organizational reliability.
- Human and organizational factors in design.
- Human and organizational factors in operation.
- Human and organizational factors in dismantling.
- Operating experience feedback and event investigation.
- Analysis of an event.
- Working groups.
- Man-machine interface and control-room supervision.
- Human and organizational factors and nuclear assessment.
- Human reliability analysis.
- Crisis management.
- Safety culture.

At the end of the module, a roundtable discussion session addresses issues identified by participants. It is followed by an evaluation during which participants give their impressions of the module, with a review of the degree to which the needs expressed on the first day of training were met.