

NUCLEAR ENERGY DEVELOPMENT IN EUROPE

- **147** Nuclear Power Plants in Europe (**439** operating in the world)
- **1/3** of the power supply in Europe is provided by NPPs
- **130** GWe, **925** billions kWh, Europe is responsible for **60%** of the world's power – supply

Meeting assessments in nuclear safety requirements in nuclear safety in Europe and the world

Capacity building in nuclear safety, nuclear security and radiation protection is a major challenge in new and expending nuclear power programmes.

Nuclear installations and installations from the nuclear fuel cycle integrate a wide range of scientific and technological disciplines, and nuclear and radiation safety requires highly professional expertise in broad areas of nuclear technology. Availability of trained and experienced safety and security experts is a requirement to any national nuclear safety infrastructure. The construction of this expertise is more than a matter of education as it involves transfer of practical knowledge and culture.

Beyond the large education effort in which European TSOs are already involved, ENSTTI initiative, in association with the European Union and the IAEA, works to drive the vocational training of the present and coming generations of professionals in nuclear safety, nuclear security and radiation protection.

TRAINING AND TUTORING OF PROFESSIONALS

in nuclear safety, nuclear security and radiation protection

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TRAINING & TUTORING NUCLEAR SAFETY

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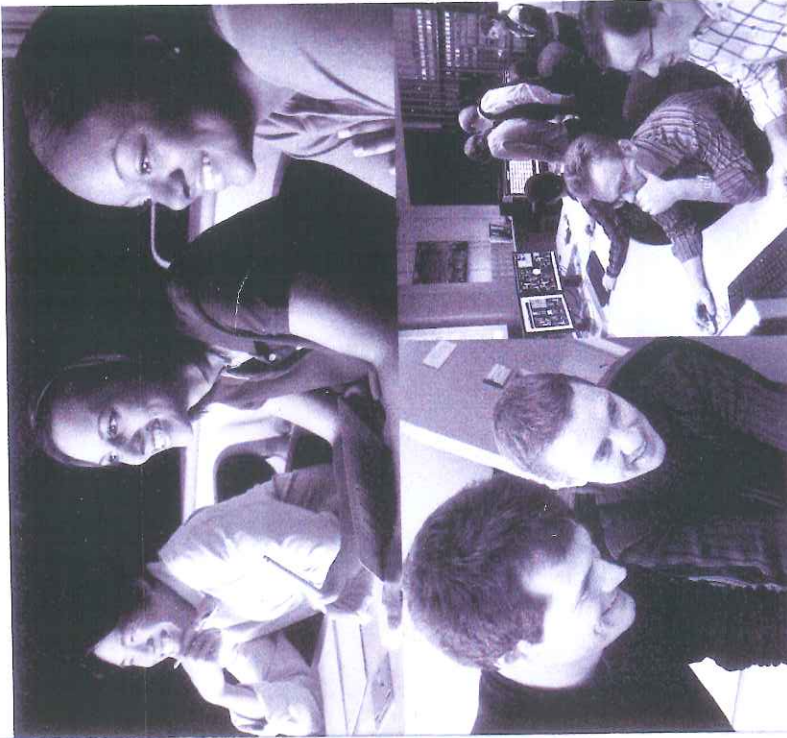
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Sustaining the long-term safety of nuclear energy

The European Nuclear Safety Training and Tutoring Institute, ENSTTI is an initiative of European Technical Safety Organizations. ENSTTI provides vocational training and tutoring in the methods and practices required to perform assessment in nuclear safety, nuclear security and radiation protection. ENSTTI calls on European TSOs' expertise to maximize the transmission of safety and security knowledge, practical experience and culture.

Training and tutoring courses leading to certificates

Training

ENSTTI offers short applied training sessions and longer tutoring periods both for young professionals and for those with some professional experience in the nuclear sector.

All course programs include working groups, simulator sessions, technical visits and open discussions. Certificates are delivered at the end of training periods reflecting the knowledge acquired.

Tutoring

During the tutoring periods customized to each applicant's future work, trainees work alongside an expert with safety responsibilities within its own organization.

The content and duration of tutoring periods are adapted to the profile of each individual. The personalized support is continued through regular contacts with safety experts once the trainee returns to work.

AUDIENCE

YOUNG PROFESSIONALS

NEW COMERS

SAFETY PROFESSIONALS

KNOWLEDGE REQUIREMENT

E-TESTING

INTERVIEW

INTERVIEW

enstti OFFER

INDUCTION TO NUCLEAR SAFETY

- Nuclear safety infrastructure
- Reactor safety
- Incident & accident
- Fuel cycle
- Safety assessment
- Radiation protection

TUTORING

In order to integrate a real practice of the day to day safety work, ENSTTI provides a tutoring program within the expert teams of the ENSTTI partnership, customized to each applicant's future work.

COURSE FOR SPECIALIST

- Severe accidents
- Safety fluid systems
- Human factors
- Organizational factors
- Probabilistic safety assessment
- Criticality safety
- Environmental qualification
- Radiation protection
- Emergency preparedness
- Nuclear security

BENEFIT

NETWORKING

Certificate of knowledge

Life long competences development of high level experts sharing operational experience feedback

EVALUATION THROUGH TESTING

Certificate of competency

Certificate of knowledge

Training with an international profile

ENSTTI lecturers and trainers are all recognized experts in their technical domain coming from European Technical Safety Organizations.

ENSTTI trainees have the possibility of sharing their experience with top experts in nuclear safety, nuclear security and radiation protection.

ENSTTI contributes to the harmonization of nuclear safety and security practices and to the networking of today and future nuclear safety experts in Europe and beyond.

experts for experts

ENSTTI trainees can be supported through IAEA and European Union fellowship programmes.