



Life Time Management of VVER Reactor Plants

Objective

The objectives of the course are:

- to provide a useful background and information for nuclear professionals and researchers on the key aspects of activities to extend the Lifetime of VVER nuclear installations
- to give necessary competencies to professionals working in support of nuclear applications as nuclear power engineers, as NPP Lifetime management specialists, as specialists in structural analysis, materials engineering, nuclear and radiation safety, quality control, mechanical engineering and modernization, and improving the safety of NPP

Brief Curriculum

The training course aims to give competencies at EQF Level 5-7 so to be able to understand works related to VVER NPP Lifetime management. It is intended to cover Certain Aspects of NPP Lifetime Management.

Topics to be covered:

- Economic preconditions;
- Technical requirements;
- International experience;
- Legislation and normative basis;
- Necessary resources;
- Evaluation of unit design for compliance with standards and regulations;
- Management of ageing: assessment of the technical condition of systems and components; qualification; aging management program;
- Periodical Safety Review;
- Activities for Safety Improvement;
- Assessing the impact of plant operation on the environment;
- Safety Culture.

The form of training is Blended Learning, that combines online digital media and traditional classroom methods.

Will be provided for course participants:

- Course's Handbook
- Hard copies of training material
- Certificate for training completion



Target group

The training course is oriented to nuclear professionals and researchers and will be useful for specialists working in the field of NPPs and other nuclear installations and Lifetime Extension, including:

- NPP personnel employed in the area of management, maintenance, operations, technical support and safety control: operators, chief supervisors, system/ component/maintenance engineers, performance/ safety engineers; technical support engineers, leading specialists and experts in the above-specified areas;
- Nuclear professionals from research and engineering organizations, performing activities in the above-specified areas;
- University lecturers and training specialists of specialized secondary schools, specialized training organizations and training centers' trainers, involved in nuclear specialists' training.

Qualification requirements

Specialists who are graduated at least with the level of bachelors and have the intention to perform works related to NPP VVER, nuclear applications or education.

Good verbal and written English skills.

Host organisation

Engineering Support and Intellectual Solutions GmbH (ESIS GmbH), Germany.

The venue can be determined by agreement with the Customer.

Language

The working language of the course is English and Russian.

The language can be mutually with the Customer.

Duration

24 hours

Contact details

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