



VVER Reactors Evolution

Objective

During the course the participants can improve their scientific and technical background related to VVER reactor technology (focusing on Generation III+), reactor operating principles and operation of VVER nuclear power plant.

Risk Engineering Ltd. has extensive experience with VVER technology, Generation II, III and III+ and is offering a series of training modules related to VVER reactors evolution.

Brief Curriculum

The training course is theoretical. It gives excellent overview of the history of VVER reactors and the current development of the contemporary modifications.

It gives knowledge in the nuclear safety requirements, defence in depth, safety functions, safety limits and design criteria of VVER reactors. The training focuses particularly on the Generation III reactors performing detailed comparison of three versions of VVER reactor Generation III+, including detailed description of the systems and main components.

Topics to be covered (40 hours):

- Generations of VVER Reactors
- Safety of VVER Reactors
- VVER Reactor facility
- VVER Safety Systems
- Other NPP systems

The trainees will be provided with:

- Trainee's handbook
- Presentation materials
- Certificate for training competitions

Target group

The training course aims to give competencies at EQF Level 6 and 7. The course is designed for theoretical and practical training of Target Group - Nuclear professionals and researchers.



Qualification requirements

- University degree in Nuclear Engineering
- Very good verbal and written English skills

Host organisation

Risk Engineering Ltd. is a leading service provider in the European power sector. A top-notch team of experts with versatile expertise ensures first-class quality and full compliance with international standards and regulations. The company cooperates with leading international enterprises and research and engineering institutions for purposes of technology transfer and advancement.

Risk Engineering Ltd. has established contacts with research and development and engineering institutions, as well as industrial plants, within both Eastern and Western Europe, allowing for successful organization and management of joint projects and technology transfer operations.

The Company has lecturers who can bring valuable contribution from their specific background into the course programme.

More info can be found at: www.riskeng.bg.

Language

The course will be held in English language.

Duration

40 hours

Contact details

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