



## TECHNICAL NUCLEAR SAFETY

### DURATION

1 day

### LANGUAGE

French, English, German

### MAXIMUM NUMBER OF PARTICIPANTS

15 per session

### LOCATION

Paris La Defense  
La TOUR AREVA

### COST

On request

### COURSE OBJECTIVE:

- Name the main safety objectives and definition of nuclear safety
- Show the main safety « actors » and their responsibilities
- Explain the regulatory requirements in US and France
- Describe the content of a safety analysis report
- Explain the defense in depth principle
- Show the classification of postulated initiating events (PIE)
- Explain the classification of safety functions
- Describe the PSA role in design, construction and operation
- Explain the safety improvements/reassessment
- Show the technical solutions concerning nuclear safety
- Name the safeguard systems of EPR™ reactors

### TARGET GROUP:

- The technical nuclear safety training is addressing all engineers & technicians that would like to add a safety related context, illustrated on EPR™ reactor, to their existing competence about pressurized water reactor technology.

### PREREQUISITE:

- Knowledge about pressurized water reactor technology.

### CONTENT:

- Introduction
- Safety objectives
- Safety regulations
- Safety during design stage
- The Probabilistic Safety Analysis role in the design
- Safety during construction
- Safety during operation
- Safety improvements/reassessments
- Nuclear safety practical solutions
- Conclusion

### TRAINING METHOD:

- Instructor-led classroom training

**Evaluation:**     *Level 1: course evaluation by trainee following the course*

*Level 2: on request*

### Contact

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