

EPR Advanced course

Duration: 5 days (35 hours)

Language: French – English

Participants: 10 – 15

Location: Paris, others location on requests

Level: Advanced

Contact: formation.reacteurs@framatome.com

You are:

An engineer who participates in all phases of new build projects: design, construction, commissioning, maintenance and operation
An engineer with experience in pressurized or boiling water reactor technology who wants to discover EPR specific features

Prerequisites:

Sufficient knowledge about PWR¹ technology

During the training you will:

- Discover EPR specific features

After the training, you will be able to:

- Outline safety requirements and implementation in nuclear power plant
- Identify EPR primary circuit key features
- Describe EPR auxiliary systems, their roles, main components and interweaving during normal operation
- Describe EPR safeguard systems, their roles, main components and implementation and behavior during accidental operation
- Describe EPR electrical distribution main features
- Describe EPR Instrumentation and Control architecture

Course strengths:

- Involvement of specialists and experts

Program

- Safety and design philosophy
- Primary circuit
- Heat transfer between primary and secondary circuit
- Auxiliary systems
- Safeguard systems
- Electrical production and distribution
- Instrumentation and Control

¹ Pressurized Water Reactor