

Flamanville 3 EPR Reactor Operation Training

Duration: 10 days (70 hours)

Language: French - English

Participants: 08 - 15

Location: Paris, other location on request

Level: Advanced

Contact: formation.reacteurs@framatome.com

You are:

An engineer or confirmed technician wishing to develop its knowledge on Flamanville 3 EPR Reactor

Prerequisites:

Good experience on operation and design of PWR¹

During the training you will:

- Study the design features of Flamanville 3 EPR Reactor

After the training, you will be able to:

- Identify the safety and design frameworks established for the Flamanville 3 EPR Reactor
- Explain the specificities of design on Flamanville 3 EPR Reactor
- Distinguish the specificities of operation of the EPR in incidental, accidental and normal state
- Describe the instrumentation and control architecture of Flamanville 3 EPR Reactor

Course strengths:

- Conferences by specialists and experts
- Exchanges and experiences sharing

Program

- EPR presentation, Nuclear island and functional systems overall architecture
- Safety and design frameworks
- Nuclear island functional systems technical description: Main primary system, Auxiliary circuits, Safeguard systems
- Electrical distribution architecture and EPR specificities presentation
- Instrumentation and control architecture presentation
- EPR normal operation: Operating modes and associated documentation, Main regulations of nuclear steam supply system.
- EPR accidental operation: PCC² presentation, RRC A³ presentation, RRC B⁴ presentation : severe accident situation

¹ Pressurized Water Reactor

² Plant Condition Category

³ Risk Reduction Category

⁴ Risk Reduction Category