

PWR¹ SHORT: 1300MWe PWR Technology

Duration: 15 days (105 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 technician willing to develop her/his knowledge on the 1300MWe PWR operation

An engineer or technician responsible for on-site activities or member of safety authority's staff

Prerequisites:

Basic knowledge of 1300MWe PWR design and operation

During the training you will:

- Study the characteristics of 1300MWe PWR
- Understand the design choices made for this type of reactor

After the training, you will be able to:

- Distinguish the design specificities of 1300MWe PWR
- Distinguish the operation specificities of 1300MWe PWR in normal, incidental or accidental operation

Course strengths:

- Involvement of specialists and experts
- Knowledge sharing
- Use of simulator
- Practicing exercises
- Course enriched by feedback of operated PWR

Program

Courses, conferences and tutorials:

- Neutronics
- Zero power operation
- Power operation
- Functional study of the primary, auxiliary, secondary and electric circuits
- Study of protection, safeguard, monitoring systems, of the automatisms and control means
- Study of specific power plant regulation systems
- Study of the overall operation of the plant at different levels of power and in accidental situation
- Outage presentation (specificities, planning, safety)

Practical exercises on simulator (2 half days):

- Subcritical approach
- Houseload operation

¹ Pressurized Water Reactor