

## Technical discovery of PWR<sup>1</sup>

Duration: 2, 5 days (17,5 hours)

Language: French – English

Participants: 10 – 12

Location: Paris, others location on requests

Level: Fundamentals

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### You are:

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A non-experimented engineer technician eager to discover the main characteristics of a PWR nuclear power plant

### Prerequisites:

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No prerequisite

### During the training, you will:

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- Discover the main components and the main PWR systems
- Study the general operation of a nuclear power plant supported by specialists' experience

### After the training, you will be able to:

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- Describe the main circuits implemented on a nuclear power plant
- Describe the basic principles of nuclear safety
- Follow technical meetings enlarged to other domains than yours

### Course strengths:

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- Involvement of specialists and experts
- Knowledge sharing
- Use of simulator
- Visualization on a 3D model

### Program

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- Basic notions: Physics, Neutronics , Radiation protection

- Functional presentation of circuits: Reactor coolant system, Main auxiliary circuits of the nuclear steam supply system, Safeguard systems, Secondary circuit
- Principles and safety functions:
- Nuclear power in France and in the world: global economy, Key figures, its competitors, Nuclear associations (AFCEN, SFEN, IAEA...)
- Course on simulator: Normal operation, Accidental operation

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<sup>1</sup> Pressurized Water Reactor