

## Thermodynamic Instrumentations and Actuators in Nuclear Power Plant

Duration: 2 days (general module)  
1 day (specific module)  
(21 hours)

Language: French – English

Participants: 10 – 12

Location: Paris, Lyon, other on demand

Level: Advanced

Contact: [formation.reacteurs@framatome.com](mailto:formation.reacteurs@framatome.com)

### You are:

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An engineer or technician who may use or commission instrumentation devices or valves on a nuclear power plant

### Prerequisites:

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Basic knowledge in electricity and physics

### During the training you will:

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- Study the thermodynamic sensors, those equipping EPR and other PWR<sup>1</sup> power plants
- Understand the way they are used, commissioned and set
- Study chains accuracy calculation, chains, actuators and valves global test
- Discover commissioning and test procedure organization associated with these equipments

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

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- Describe the instrumentation devices and valves, especially implemented on PWR
- Use this equipment in test and implementation phase

### Course strengths:

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- Theoretical reminder on instrumentation devices and valves
- Practical exercises on different devices

### Program

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- General module: Sensors and erection rules, Information process, Chains accuracy calculations
- Specific module: new build
- Specific module: maintenance

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<sup>1</sup> Pressurized Water Reactor