

## Valves-as per RCC-M<sup>1</sup>

afcen

Duration: 20 hours

Language: French, English

Participants: 10 to 15

Location: At the customer's request



Advanced

Prerequisites:

-Regular use of the RCC-M code  
or

-AFCEN certificate of completion of an Introduction to RCC-M code training (or equivalent)  
or

-results >80% e-learning "RCC-M overview"

Diploma in mechanics recommended

Contact:

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### You are

- Engineer or mechanical technician involved in the design and/or manufacture of the valves on the nuclear island

### During the training, you will

- Detail all of the steps involved in the design and manufacturing of a valve as per the RCC-M code

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

- List valves technologies in a PWR
- Define, in the RCC-M code, the elements applicable to the valves
- Apply design, manufacturing and control requirements to valves according to RCC-M
- Identify the specificities of the RCC-M concerning valves compared to other building codes and regulations in place

### Course strengths

- Theoretical learning illustrated based on examples from the nuclear industry
- Sharing of experience with specialists
- French association for design, construction and in-operation supervision rules for nuclear island component (AFCEN) certified training
- Training leading to certification

### Content

- Valve technologies and location in a PWR
- Design/sizing
- Materials
- Welding, Manufacturing, Hydrostatic tests
- ESPN Component classification
- Link to RPP4<sup>2</sup> Mechanical Qualification
- Hardfacing
- RCC-M/BPVC<sup>3</sup> of ASME<sup>4</sup> comparison
- Practical Case Studies

### Assessment

- Learning assessment survey
- Assessment of trainees' satisfaction

<sup>1</sup> Design and Construction Rules for Mechanical Components of Pressurized Water Reactor Nuclear Islands

<sup>2</sup> Probationary Phase Rules

<sup>3</sup> Boiler & Pressure Vessel Code

<sup>4</sup> American Society of Mechanical Engineers