

Pre-requisites:

- ✓ Good knowledge of the English language
- ✓ Have general knowledge of mechanics, metallurgy, nuclear pressure equipment manufacturing
- ✓ Have the complete RCC-M code in an applicable edition on 2007, 2015, 2016, 2017, 2018 or 2020 projects.

Profile:

Project manager, Business manager, Engineer and manager of services such as manufacturing, design office, methods, qualification and quality.

Description :

Training on the design, manufacturing, inspection and quality assurance of Nuclear Pressure Equipment (NPE) subject to the RCC-M code.

Training goals:

- Identify the contextual factors influencing nuclear regulations and standards
- Define the roles and objectives of AFCEN and RCC-M code
- Classify component according to the different classes of RCC-M code
- Select the subsection applicable to a part of component and the appropriate Procurement Specification sheet
- Describe the various physico-chemical tests required by RCC-M code
- Quote the issues relating to welds
- Identify the various quality documents required in a manufacturing file



2 days



In our training room or on your premises



Max. 12 people



1ST DAY

2ND DAY

MORNING

- History and nuclear context
- Operation of a Pressurized Water Reactor (PWR)
- French regulatory texts
- AFCEN and RCC-M code presentation

- Procurement and materials
- Procurement specification

- Corrosion
- Fabrication and welding

AFTERNOON

- Design approach
- Safety classification and RCC-M level
- Collapse mode and margin coefficients
- Practical application: equipment design

- Quality documents (Welding Procedure Specification)
- Control before installation
- Rules in the probationary phase

- Practical application: using the RCC-M to technical specification
- Assessment of acquired knowledge by multiple choice questions (MCQ)