

SESSION FORMATION
GÉNIE CIVIL
GÉNIE CIVIL POUR LE NUCLÉAIRE

RÉF: 0731-08

AFCEN nuclear codes for Civil Works (ETC-C and RCC-CW) : general introduction

> EN BREF

RCC-CW codes are published by AFCEN.
RCC-CW codes (Rules for design and construction of PWR nuclear civil works) are used to design and build the civil structures of nuclear power plants.
RCC-CW was published in 2010 and 2012 as ETC-C for EPR nuclear power plant.
The most recent RCC-CW editions (2015 to 2019) can be applied to PWR projects.
This training session explains the objectives and the applicability of a nuclear code for civil works and give an overview of the content of the RCC-CW.

La formation est dispensée en français

> CETTE FORMATION S'ADRESSE À

Senior Civil Engineer, Structural Engineer or Project Manager who intend to work on a nuclear project and who want to understand the purpose of a nuclear code for civil works and who want to have an overview of its content.

> PRÉ-REQUIS

Pre-requisites : This one day training "general introduction" is recommended to attend ETC-C and RCC-CW "design" and "construction" courses.

OBJECTIFS

The purpose of this 1-day training course is to introduce and outline the AFCEN RCC-CW codes.

> PRINCIPES ET MÉTHODES PÉDAGOGIQUES

- . To get to know you better and meet your expectations, a self-positioning questionnaire (prerequisites, experiences, expectations) will be sent to you.
- . Training coordinated by an expert or by the session's project manager
- . Interaction time with the expert(s) and the trainees are planned throughout the training
- . Alternation of methodological contributions and application examples
- . During the training, knowledge assessments will be carried out (for example using quizz, application exercises, case study, feedback, etc.)

> INFORMATIONS PRATIQUES

Date : le 27 septembre 2022 - Durée : 1 jour (7 heures)
Tarif : 1 000,00 € HT + TVA (Déjeuner inclus)
Lieu : France Paris / Paris

> COORDINATION

Alexandre BOULE, Ingénieur Matériaux de Génie Civil, EDF – DIPNN Dir Industrielle

PROGRAMME DÉTAILLÉ ET HORAIRES

MARDI 27 SEPTEMBRE

9h00
Alexandre BOULE, *EDF DIPNN Dir. Indust.*
Introduction to the training session
Around the table

9h30
Guillaume ZAMMOUT, *EDF DIPNN Dir. indust.*
Presentation of AFCEN :
- organization, members
- AFCEN CW codes and publications

10h30
Jean-François SIDANER, *Consultant*
General introduction to the RCC-CW/ETC
- main objectives and relevant structures
- the 3 parts
- links with the safety report
- differences with traditional codes
- others codes (ASMES, etc...)

MARDI 27 SEPTEMBRE

13h30
Alexis COURTOIS, *EDF DIPNN Dir. Tech.*
Design and Design extension

14h30
Alexandre BOULE
Construction part :
- geotechnical part
- concrete
- reinforcement and prestressing system
- joints, concrete pipes

15h45
Guillaume ZAMMOUT
Metal part :
- anchorages, steel liners

Fin de la journée à 17h00