

SESSION FORMATION  
GÉNIE CIVIL  
GÉNIE CIVIL POUR LE NUCLÉAIRE

RÉF: 0001-10

## AFCEN nuclear codes for Civil Works (ETC-C and RCC-CW) : Construction

### EN BREF

RCC-CW codes are published by AFCEN.  
RCC-CW codes (rules for design and construction 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.  
The training session explains the requirements of the part C Construction of the RCC-CW code.

The course is delivered in English.

### THÉMATIQUES

To present part C of the RCC-CW : Earthworks and soil treatments, concrete, passive reinforcement and post tensioning systems, liners for containments and fuel ponds, sleeves and anchor plates, structural steelwork, topography, tolerances, containment leaktightness and resistance tests.

### CETTE FORMATION S'ADRESSE À

Civil engineers with responsibilities for coordination and execution of works on EPR projects, who look for transition training covering the key changes between the Euronorms and the ETC-C/RCC-CW.

### PRÉ-REQUIS

An understanding of civil engineering construction. The one day training "general introduction" (ref 0731) is recommended to attend ETC-C and RCC-CW "design" and "construction" courses.

### OBJECTIFS

The purpose of this 2 day training session is to outline the requirements of the ETC-C and RCC-CW codes. Dedicated to the Construction (Part C) of the code, it covers all the aspects of the construction (Part C) of engineering structures of nuclear power plants (geotechnics, seismic analysis, concrete, prestressing, liner, anchorages, steel works...). Part M of the code dedicated to leak tightness tests and resistance tests on containment is also presented.

### INFORMATIONS PRATIQUES

Date : du 30 novembre au 01 décembre 2021 - Durée : 2 jours (14 heures)  
Tarif : 1 790,00 € HT + TVA (Déjeuners inclus)  
Lieu : France Paris

### COORDINATION

Alexandre BOULE, Civil Works Engineer, EDF DIPNN Dir. Industrielle

### PROGRAMME DÉTAILLÉ ET HORAIRES

#### MARDI 30 NOVEMBRE

9h00  
Alexandre BOULE, EDF DIPNN Dir. Indust.  
Opening and introduction to the session

9h30  
Leo FRAGNOL, EDF/DTG  
Topography, tolerances, monitoring

10h30  
Sébastien PHILIPPE, EDF DIPNN Dir. Indust.  
Geotechnical

13h30  
Nicolas BOTTELDOORN, EDF DIPNN Dir. Tech.  
Structural steelwork.

14h30  
Grégoire WERNERT, EDF DIPNN Dir. Indust.  
Mathieu JEUSSET, Bouygues TP  
Concrete for the safety classified building

Fin de la journée à 17h00

#### MERCREDI 01 DÉCEMBRE

8h30  
Boris MARQUOIS, EDF DIPNN Dir. Indust.  
Passive reinforcement

9h30  
Boris MARQUOIS  
Anchor systems

10h45  
Jean-Baptiste DOMAGE, VSL  
Post tensioning systems

14h00  
Fabien DELMAS, EDF DIPNN Dir. Indust.  
Pierre THIBAUT, EDF DIPNN Dir. Indust.  
Containment liner, pools and tank liners

15h30  
Mathieu GALAN, EDF/DTG  
Leak resistance tests and containment monitoring

16h30  
Alexandre BOULE  
Conclusion, evaluation

Fin de la session à 17h00