



OPERATION & SAFETY OF NUCLEAR POWER PLANTS PWR

- 🕒 Nuclear unit safety identity cards (technical aspects: internal/external aggressions & large components: tank, steam generator)
- 🕒 Draft internal control procedure CID EDF
- 🕒 Post-Fukushima induced effects (assaults: earthquake, H2, fire ...), including walk-by inspections on site – 900 MWe CP1/CP2
- 🕒 Preparatory sheets for "Peer reviews" for WANO (World Association of Nuclear Operators).
- 🕒 Analysis and characterisation of boiler "situations": P/T° transients of the CIVAUX CNPE. - step 1.450 MWe - N4
- 🕒 Post-Fukushima "PTR Bis" System Operating Procedures

Nuclear Safety 2/2

EDF PROJECTS

- ⇒ HVAC clean rooms
(asepsis and containment)
- ⇒ VD4 900 Mwe
- ⇒ VD3 1300 Mwe
- ⇒ Post-Fukushima
- ⇒ Design Integrity Control (DesA)

DELIVRABLES

- > Technical reports
- > Study notes
- > Basic Engineering Design
(EDF : Doc. V0)
- > Excel© files
- > Logigrams
- > Test procedures

REGULATION

- ⇒ GMP
- ⇒ Law TSN
- ⇒ Environmental Code
(Art.193-1+ ...)
- ⇒ Arrêté Installation Nucléaire de
Base
- ⇒ EIP / AIP
- ⇒ Méthodology SQUG

AGRESSIONS

External :

- > *Of human origin: aeroplane crashes, waterways or roads, industrial environment
(explosion, toxic fumes, chemical risk).*

Internal :

fire / explosion ATEX - H2 / RTHE

