

# LEGAL INSPECTION

# HEALTH & SAFETY PROTECTION



**FUSION  
FOR  
ENERGY**

- **Classified « basic Nuclear Installation », under laboratory category by the security authority**
- Platform of 1 000m x 400m proxy including :
  - 25 buildings
    - Nuclear buildings (07)
    - Non Nuclear buildings (18)
  - 04 tanks
  - 02 pumping stations
  - Gateways and crawls
- **Implementation of the building 55 (PF Coil fabrication building included in the operation), for the design and construction phase (company SPIE BATIGNOLLES)**
- **Works to supply electricity on site (ERDF) - buildings 36 & 38 included in the operation.**
- Implementation of the preparatory work :
  - « office » buildings, « contractors » areas, purification plant , Cooling tanks ITER, Storm tanks, Roads networks, etc

- Classification of the installation / Security :
  - two categories of building S.I.C. and non S.I.C. :
    - S.I.C. (safety important component) (8 buildings and various networks)
    - Non SIC (seismic study as defined in the NF EN 1998 - zone 4/importance category III )
  
- Classification of the installation / environmental protection :
  - The topics most concerned are :
    - 1432 : fuel tanks
    - 2910 : combustion plant
    - 2920 : cooling, compression
    - 2925 : battery charging

### Technical standards:

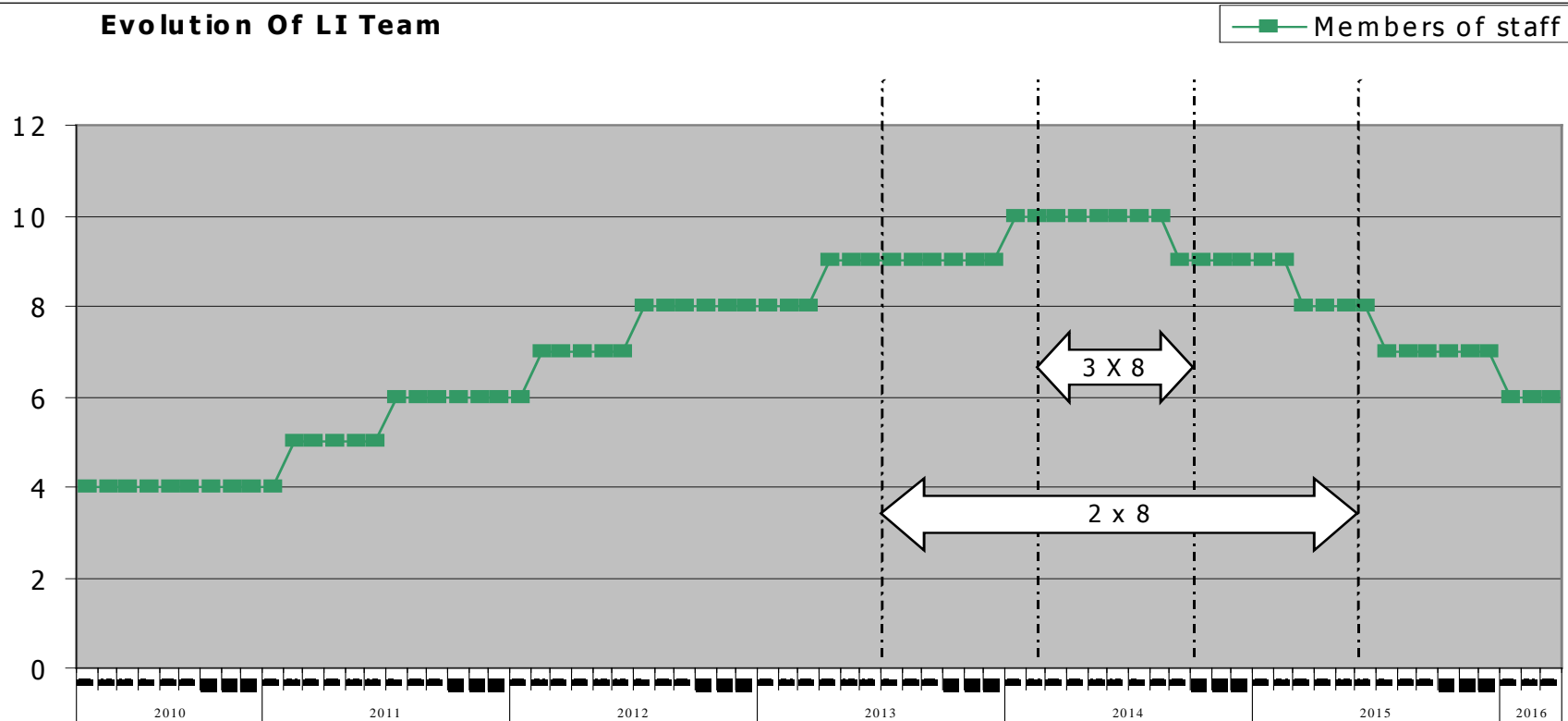
- Eurocodes
- ASN guides
- French national standards (when Euro standards do not exist)

n° ITER D 283B24     ITER STRUCTURAL DESIGN CODE FOR BUILDINGS

### ➤ Additional Earthquake behaviour inspection :

- Major Earthquake for the nuclear buildings (SMS and SMHV inspection as set out in the ASN guide)
- Major Earthquake for the SIC buildings (SMS and SMHV inspection as set out in the ASN guide) classified SC1

**Evolution Of LI Team**



**Team 1 - Nuclear Building**

**Team 2 - Non Nuclear building**

**Experts**

**Team 3**

**Technical equipment**

**Technical equipment**

**Decree 92-332 :**

Duty of Building Owner with regards to the **design** of workplaces



- *Ventilation*
- *Lighting*
- *Sound proofing*
- *Fire*
- *Thermal atmosphere*
- *Sanitary installation*

**Law 93-1418 / Decree 94-1159 :** "Safety integration

and organisation of the coordination of health and safety protection during building construction or civil engineering operations"



- Consideration of health and safety in the building site organisation*
- *To facilitate future interventions on the works.*



## Design Phase :

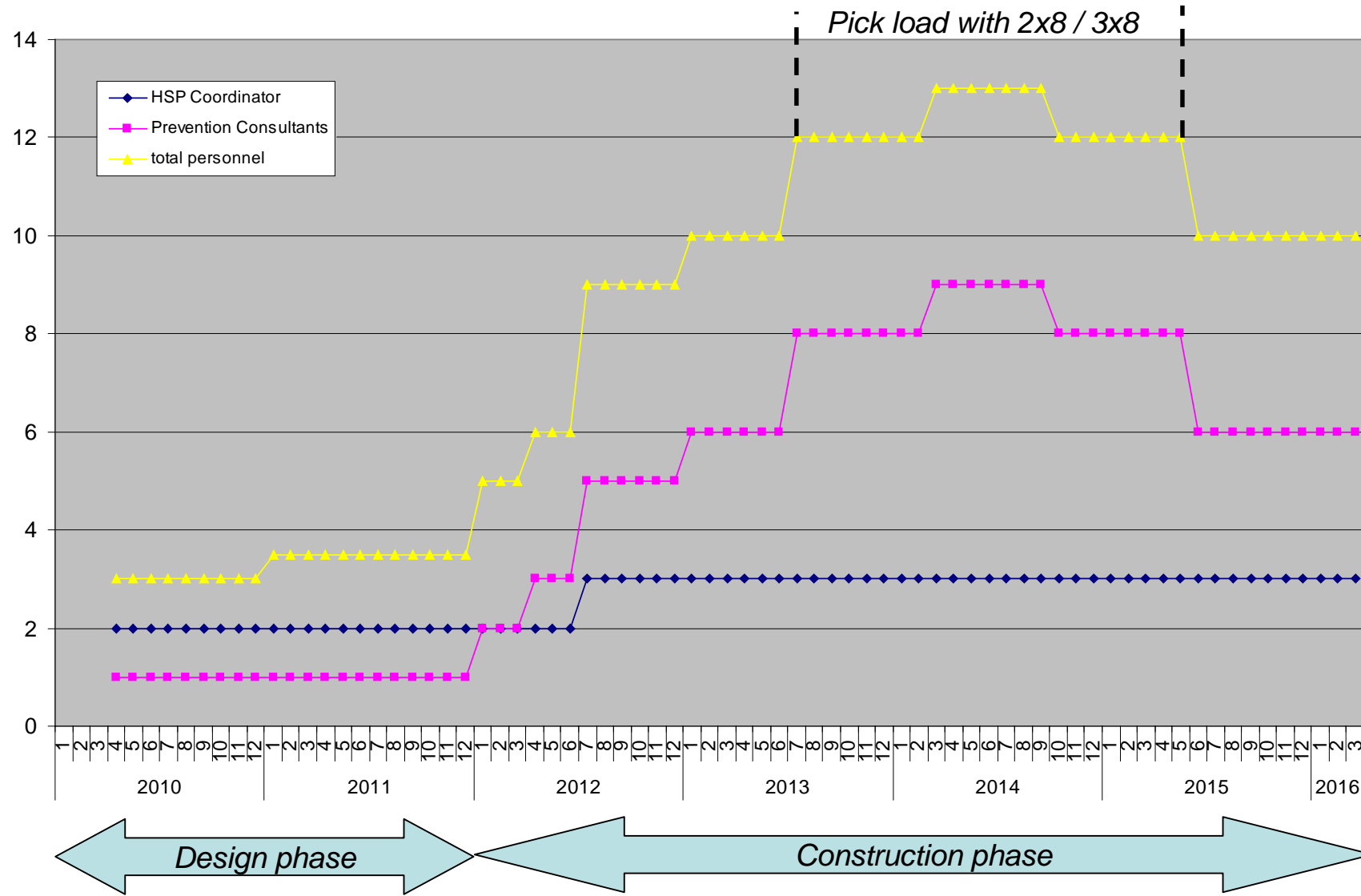
- **Analysis of design documents :**
  - › *Recommendations with regards to Health and Safety for the future intervention of the works.*
  - › *Redaction of conception DIUO.*
  
- **Analysis of AE's development with regards to HSPC:**
  - › *Coordination plan.*
  - › *Layout of building site.*
  - › *Planning of works.*
  
- **Definition with F4E and AE of coordination measures for the safety of construction operations :**
  - › *General Plan for HSPC (PGCSPS).*
  - › *Intercompany Health and Safety Committee (CISSCT) rules and constitution.*
  - › *Participation in the drafting of common rules (access to the site, Pro-rata account rules ...)*
  
- **Support for Call For Tender (drafting of Tender analyses)**
  
- **Keeping of Coordination Logbook Register**

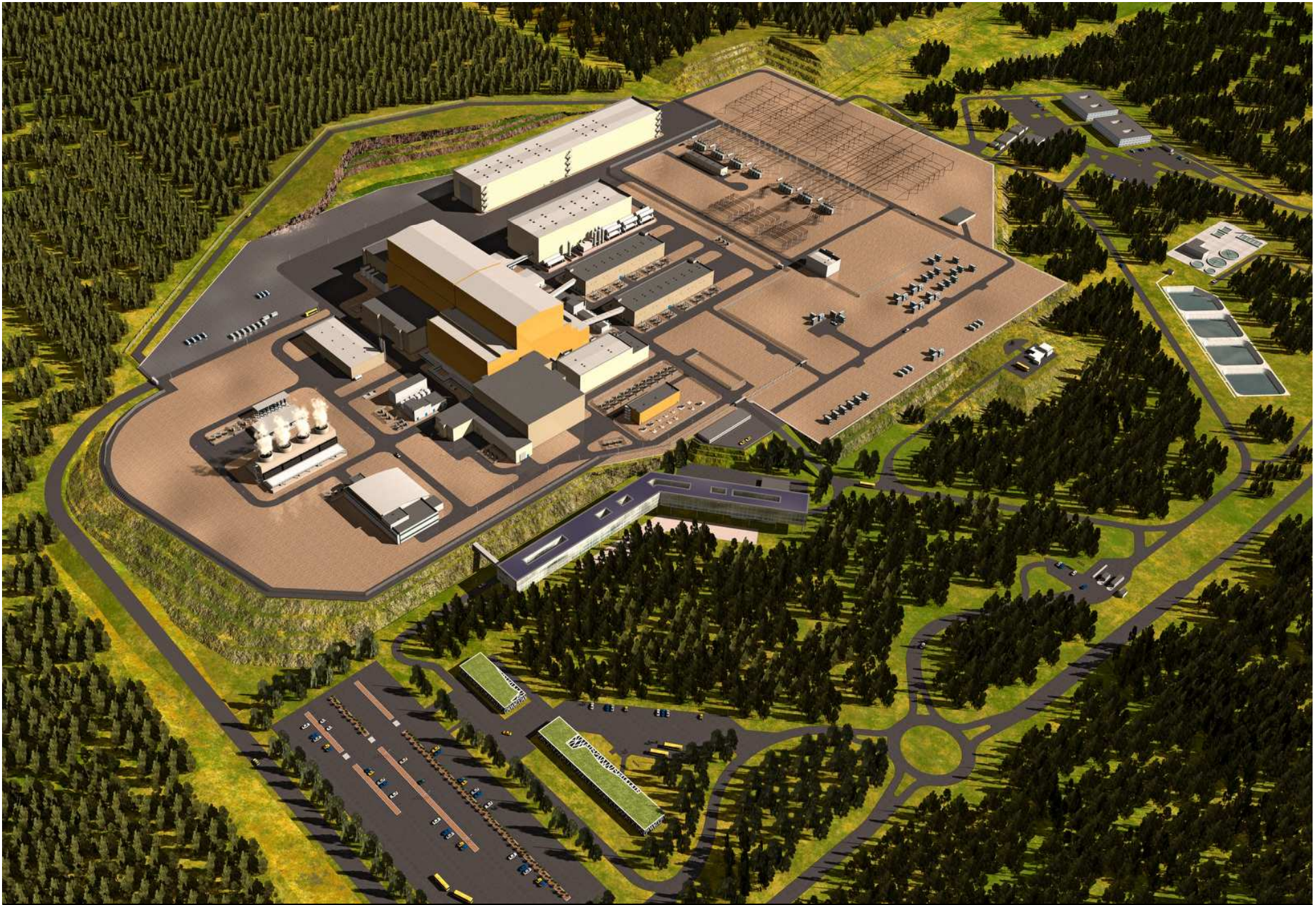
## ↳ Construction phase (1/2) :

- Updating and drafting of the PGC SPS :
  - › *drafting of various PGC according to the progress of activities*
  - › *adaptation of the coordination measures according to the reality of activity → update*
- Analysis and harmonisation of PPSPS (Health and Safety Particular Plan) of companies
  - › *Common inspection / validation sheet*
- General Safety Coordination on site
  - › *Scheduled and unscheduled safety visit on the site (compliance with safety rules).*
  - › *Council to F4E / AE and to the companies as regards Health and Safety.*
- Update and finalisation of DIUO
- Keeping of Coordination Logbook Register
- CISSCT management
- Safety training
  - › *Health and Safety training for new arrivals on site.*
  - › *Specific hazard training for the exploited works.*

## ↳ Construction phase (2/2) :

- **Prevention Consultant :**
  - › *assist the HSP Coordinator*
  - › *regular visit on site / check the compliance with safety rules during the activity of companies*
- **Lockout Tag-out Supervisor (LTS)**
  - › *assist HSPC for follow-up the activity on the electrical and fluid definitive networks.*
  - › *participation in the Test-Cell*
  - › *manage the co-activity within the networks in case of interventions of two different companies.*
- **Collective Protection Supervisor**
  - › *follow-up only the collectives protections on site in order to check compliance with safety rules.*
  - › *in case of infringement, notify the situation to HSPC and companies and*
- **Support to F4E**
  - › *supporting and advising F4E's Security Engineer with regards Health and Safety of the exploited installation.*
  - › *stand-by duty system contactable in case of emergency.*





**Thank you for your attention**