

PERSONAL INFORMATION **Pierre-Yves CHAFFARD**

WORK EXPERIENCE

Oct 2016 - today

Fusion For Energy – ITER Delivery Department, Deputy Head of Department

- Coordination of 10 Project teams in charge of delivering high value & high technology in kind contributions to the ITER project. Co-Chair of the weekly ITER departments meetings in charge of the minutes.
- Management of Human Resources (170 people, Establishment plan, Recruitment, Transfers, Contract renewals)
- F4E Escalation manager for Nuclear Safety matters (2016-2017)
- Participation to F4E Senior Management Meetings
- Acting as Head of department 2015-2016

Feb 2009 - today

Fusion For Energy – ITER Delivery Department, Head of Engineering Unit

- Management of a team of 90 engineers supporting the ITER Department's Project Teams by providing technical expertise in the following domains of engineering and fusion technologies: Design office –Technical Integration; Analysis; Codes & Standards; Materials and fabrication technologies; Metrology; Instrumentation and CODAC; Nuclear Safety, Transportation
- Development and implementation of a set of Framework Contracts allowing the outsourcing of part of the activities. Management of the related budget (> 10 Meuros per year). Negotiation with industrial suppliers and European Fusion Laboratories. Responsible by delegation for contractual activities up to 2 Million euros.
- Supervision and monitoring the activity, assigning clear responsibilities and priorities, defining and optimizing the internal processes (including the procedures for managing the Nuclear Safety requirements), providing regular reports, analysis and evaluation of results, ensuring that agreed quality assurance and proper requirements management are applied.
- Supervision of the re-negotiation of the Transportation Framework Contract (150 Meuros turnover for F4E)
- Definition and deployment of a technical configuration integration board
- Coordination of these activities with ITER Central Team and other Domestic Agencies counter parts
- Implementation of a specific application for managing the internal requests and the resources mobilized

Business or sector Public research & development – Energy -

Feb 2002 – to Feb 2009

CEA/DSM/IRFU, Head of the System Engineering Division

Commissariat à l’Energie Atomique, Centre d’études de Saclay, Direction des Sciences de la Matière, Institut de Recherche sur les lois Fondamentales de l’Univers
BP12, 91691 Gif sur Yvette – France

<http://irfu.cea.fr/>

- Creation of a new Department by grouping and restructuring several independent teams
- Management of a team of 110 people (50 engineers and 60 technicians) involved in technical developments for research facilities: accelerators, magnets, detectors.
- Responsible for the contracts aiming at sourcing part of the technical activities
- Contribution to international projects including in kind delivery of components to large international science laboratories (CERN; GANIL; ESO, ESA)
- Involvement in the nuclear project Spiral2 (GANIL) developed under the French Nuclear Safety regulation.
- Field of activities: system engineering, mechanical design, instrumentation & control and industrial relationships.

Business or sector Public research & development – High Energy Physics-

Jan 2001 – to Feb 2002

CEA/DAM, DAN Project Manager

Commissariat à l’Energie Atomique, Direction des Applications Militaires, Ile de France, BP, 91 Bruyères le Châtel – France

<http://www-dam.cea.fr/dynamique/accueil/accueil.asp>

- Institutional and financial management of projects allowing CEA research teams to valorise their skills and technologies in new fields of application
- Elaboration and follow up of collaboration agreements & contracts

Business or sector Military research & development - Diversification

Jan 1997 – to Jan 2001

CEA/DAM, DTPE Group Leader : advanced technologies

Commissariat à l’Energie Atomique, Direction des Applications Militaires, Ile de France, BP, 91 Bruyères le Châtel – France

<http://www-dam.cea.fr/dynamique/accueil/accueil.asp>

- Management of a team of 20 engineers and technicians involved in the realization of experimental devices. Project officer for specific work packages (Airix Project external protection structures; Confinement vessel withstanding high internal pressure).
- Main skills and competences : project management, mechanical and thermal analysis (static and dynamic), vacuum and pressure technologies, quality assurance,

Business or sector Military research & development

Sep 1990 – to Jan 1997

CEA/DAM, DTPE Design engineer – Head of Design Office

Commissariat à l’Energie Atomique, Direction des Applications Militaires, Ile de France, BP, 91 Bruyères le Châtel – France

<http://www-dam.cea.fr/dynamique/accueil/accueil.asp>

- Mechanical design of complex experiments. Group Management. Responsibility of the CAD system

Business or sector Military research & development

EDUCATION AND TRAINING

Sep 1984 – Jun 1989

Master Degree in Engineering - Master Degree in Mechanical Engineering

EQF 7

Institut National Polytechnique de Lorraine, ENSEM, Nancy (France)
Université de Nancy

Classes préparatoires aux grandes écoles, Lycée Berthollet, Annecy (France)

Sep 1989 – Aug 1990

CEA Le Ripault Military Obligation as « Scientifique du Contingent »

Commissariat à l'Energie Atomique, Centre Du Ripault (TOURS)
 Engineer in charge of R&D activities including FEM analysis

Sep 2006 – Jan 2007

CEA Master class for High potential employees

Commissariat à l'Energie Atomique, Direction des Ressources Humaines
 R&D evolutions in the public sector and in the private sector – R&D in the domain of Energy – High Technologies trends

PERSONAL SKILLS

Mother tongue(s) French

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Spanish	C1	C1	B2	B2	B2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

Communication skills

- Very good interpersonal communication skills gained through my different experiences as team manager
- Good presentation skills gained through presentations done in front of various audiences (Conferences, F4E staff, Industry info days,...)

Organisational / managerial skills

- Team management, Ability to motivate people, Ability to delegate gained through management experience at CEA and F4E
- Ability to deploy changes in an organization - I have merged to divisions in CEA as to create a new department; I modified in depth the mission of the F4E nuclear safety group moving from R&D activities to Nuclear Safety requirements management - ;
- Very good Project Management skills gained through the management of Projects In CEA (e.g AIRIX Protection Structures), In Ecole Polytechnique (Preparation of the project organization for Institut Lumiere Extreme)
- Leadership demonstrated during the management responsibilities in CEA and in F4E
- Negotiation skills demonstrated in negotiation of large contracts (recently the negotiation of the implementation of the ITER Transportation Contract)

Job-related skills

- Good knowledge of the French Nuclear Safety Regulatory framework (Experience gained at CEA, and at F4E managing this group during 5 years)
- Good experience in financial management, and budget control acquired at CEA and F4E
- Good command of quality assurance and quality control gained at CEA and F4E
- Very good knowledge of Design offices processes
- Good knowledge of Design offices software tools (Authoring and Product Lifecycle Management tools)
- Good knowledge of Analysis software
- Good experience of subcontracting engineering activities

- Computer skills
- Very good command of Microsoft Office™ tools
 - Good command of F4E financial application ABAC (workflow – contract)
 - Very good command of F4E document management system
 - Good knowledge of Design offices software tools (Authoring and Product Lifecycle Management tools)
 - Good knowledge of Analysis software