

9TH INTERNATIONAL WORKSHOP ON APPLICATION OF FPGA IN NPPs

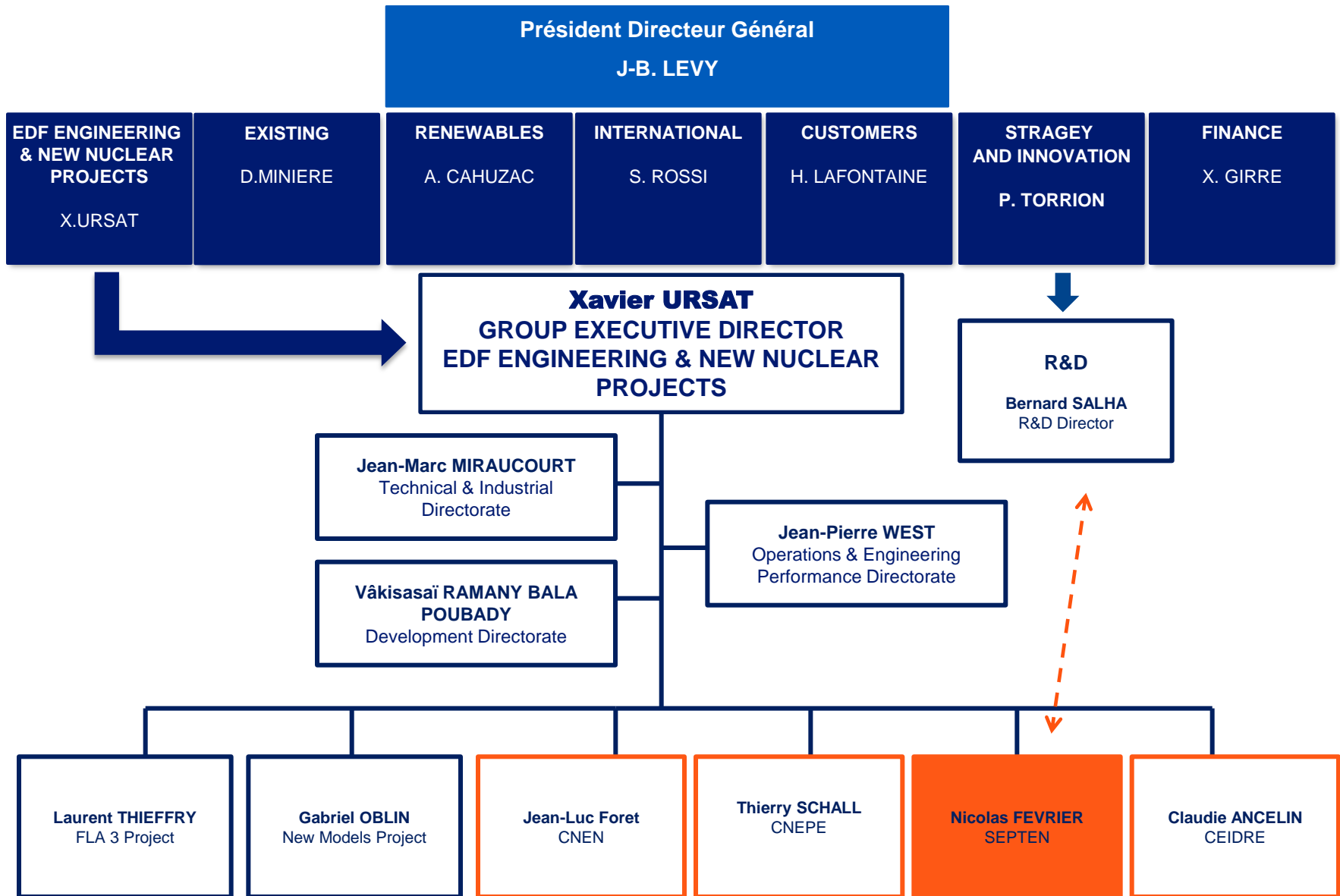


HOST : EDF – DIPNN – SEPTEN

EDF ENGINEERING & NEW NUCLEAR DIRECTORATE

NUCLEAR SAFETY ENGINEERING AND BASIC DESIGN STUDIES

EDF SA ORGANISATION (SIMPLIFIED)

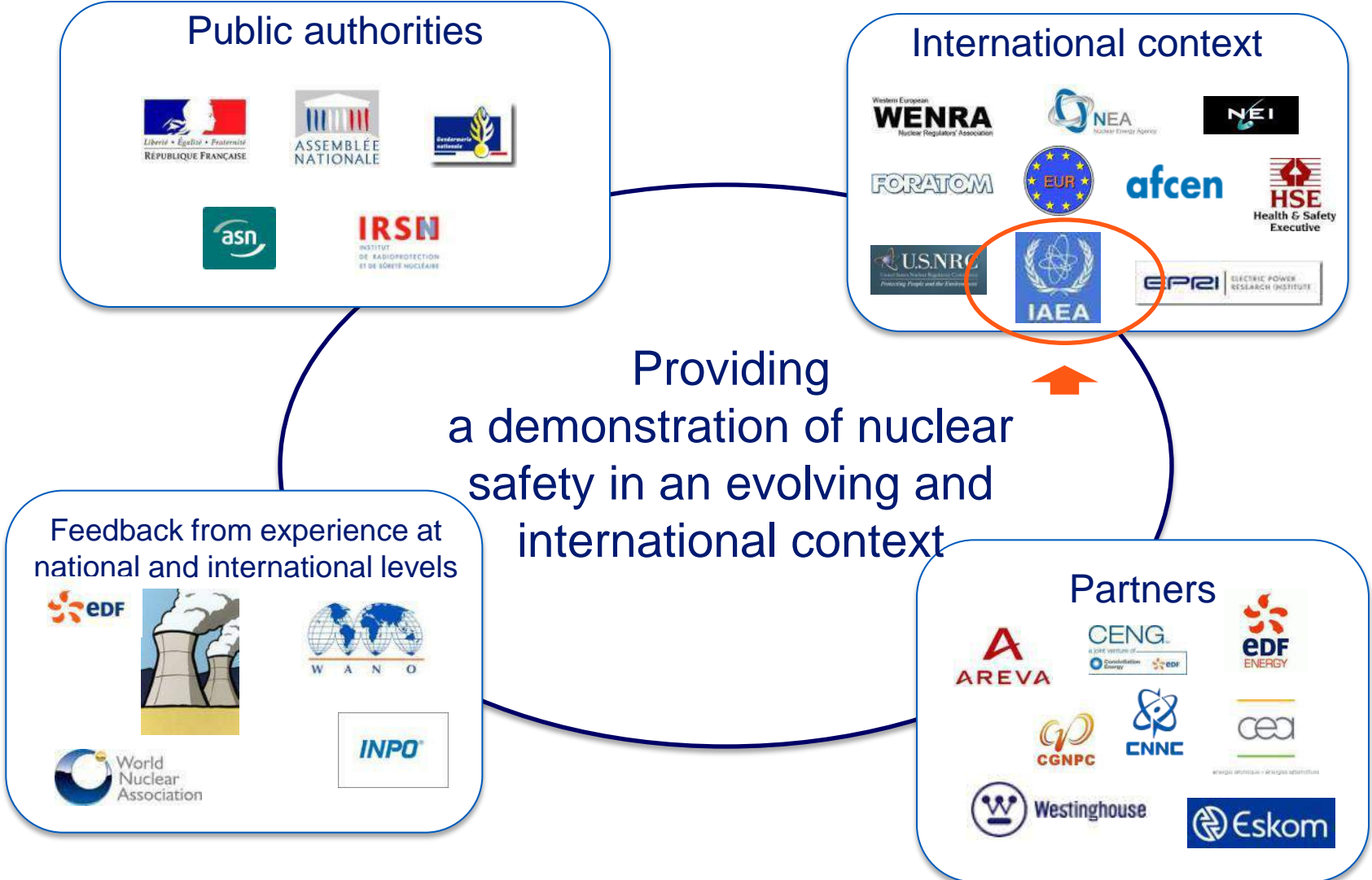


THE KEY ROLES OF SEPTEN (1/2)

- Providing the **safety demonstration** for EDF nuclear electricity generation facilities from the **design stage** to **their end of life**
- Drawing up **technical and design safety baselines** for the existing nuclear reactors and the new EDF reactor models



THE KEY ROLES OF SEPTEN (2/2)



SEPTEN : ORGANISATION & RESOURCES



Director
Nicolas FEVRIER

NUCLEAR SAFETY
GLOBAL DEVELOPMENTS
INTERNATIONAL OVERSIGHT
HR AND COMPETENCIES



Deputy Director
Serge HUGONNARD

RESOURCE MANAGEMENT
INFORMATION SYSTEMS
INDUSTRIAL STRATEGY
SECURITY



Deputy Director
Guillaume JACQUART

EQUIPMENT &
STRUCTURES
CODES AND STANDARDS
REX



Deputy Director
Bernard VIDAL

FUEL & REACTOR PHYSICS
NEW NUCLEAR
R&D



Deputy Director
Bernard CHALOIN

OPERATING
PERFORMANCE
PERIODIC SAFETY REVIEW
LIFE EXTENSION PROJECTS

Multidisciplinary teams

covering all aspects of
nuclear facilities:

Performance and
operation

Equipment
and structures

Fuel & Reactor
Physics

As of end 2016: **643** staff including **530** engineers

- Unique scientific calculation methods and tools
- Linked to key players in the nuclear sector: EDF, other utilities, regulators and international organizations
- Able to innovate and design new systems
- Active in a three-dimensional time frame:

2015

Support for plants in operation

EPRs under construction
Development of 3rd-generation projects

Future generation resources – Fast
neutron reactors

2050

