



Energy Essentials

Nuclear Learning Tour

DURATION

Pre e-Learning +
8 days

LANGUAGES

French, English

PARTICIPANTS

40 maximum per
session

LOCATIONS

Sites in France
(AREVA, CEA, EDF)

PRICE

Please contact us

Subject to terms and
conditions

Contact

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• PARTICIPANTS

- Engineers and executives recently recruited by Utilities or within the nuclear supply chain or nuclear services sector
- Experienced engineers and executives moving into a nuclear career
- Leaders and managers involved in civil nuclear energy development projects

• PREREQUISITE

- No specific background or training required
- Courses are in English, a good level of English is required for all participants

• OBJECTIVES

- Acquire a global vision of nuclear energy
- Understand the energy challenges of today
- Explain and illustrate nuclear basics and reactor physics
- Understand the importance of nuclear safety
- Gain a complete overview of the nuclear industry from uranium mining to fuel recycling

• CONTENT

- Atomic and nuclear basics, nuclear in energy mix
- Fission chain reaction, reactors and radiation
- Reactor types
- Nuclear fuel cycle
- Nuclear safety, reactor safety
- Fuel recycling, waste management
- Public acceptance and difficult questions on nuclear issues

• TEACHING & METHOD TOOLS

- e-learning
- Interactive classroom modules
- Balanced and progressive learning program
- Practical and guided exercises
- Operation demonstration with simulator
- Practical site visits: research centre, Nuclear Power Plant, fuel manufacturing plant, training & maintenance centre, EPR new build construction, recycling plant & waste management
- Conferences by top-level experts

• LEARNER BENEFITS

- Obtain a solid overview of the nuclear industry in a short time through intensive learning
- Enhance your understanding and memorization with site visits and a common thread
- Understand the interactions between different stakeholders in the nuclear industry
- Benefit from feedback of France's decades of experience in peaceful use of nuclear energy
- Expand your professional network