



Nuclear Power Plant Basics (illustrated on EPR™ technology)

DURATION
4 or 5 Days

LANGUAGE
English, German, French

MAXIMUM NUMBER OF PARTICIPANTS
20 per session

LOCATION
U.S: Lynchburg /
Charlotte,
GERMANY: Offenbach,
FRANCE: Aix en
Provence

COST
Contact us

■ **COURSE OBJECTIVE:**

- Obtain an understanding of the basic design and operating characteristics of a Pressurized Water Reactor (PWR) featuring EPR™ technology.

■ **TARGET GROUP:**

- All engineers and technicians starting to work on PWR technology.

■ **PREREQUISITE:**

- Interest in gaining knowledge of theory and operation of a PWR.

■ **CONTENT**

- Nuclear Basics and History (web based training)
- Introduction to Nuclear Safety and EPR™ Overview
- Nuclear Steam Supply System
- Auxiliary Systems
- Secondary Circuit Overview
- Instrumentation and Control
- Reactor Control Surveillance and Limitation System
- Reactor Protection System
- Main Safeguard Systems
- Plant Operation
- Industry Events

■ **TEACHING APPROACH:**

- Preliminary computer based training (e-Learning) with subsequent Instructor lead classroom training

Evaluation: *Level 1-2 (pedagogical test questionnaires & assessment during the course, course evaluation by trainee)*

Certification: *Certificate for successful completion of course*

Contact

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