

Fossil-fired Power Plant

Operating a Thermal Power Plant

TRAINING OBJECTIVE

Know how to start, operate and stop a fossil-fired, fuel-oil, coal and biomass-fired power station while respecting respecting the safety of personnel, how to operate equipment and the quality of the network.

Length of the course: 5 days

PEDAGOGY

- Theoretical and practical training on the clients' installations
- Use of videos, industrial examples and client feedback
- Individual testing of knowledge at the end of the course
- Summary of the course animated by a manager

TRAINING PROGRAM

- The principles of operating the installation of a power plant
- The tools and the ergonomics of the operating position
- Types of start-up
- The start-up of the unit (preparation the auxiliaries and circuits, electrical supplies, fluids and fuel, commissioning of control loops, lubrication, turning gear, etc.)
- The different starting phases (ignition, synchronization, target load)
- The engagement of the start-up phases associated with the permissive
- Constraints and threshold limits
- Operating at steady load (control and monitoring of process parameters, monitoring of demand, optimizing the parameters and yield, economic controls, etc.)
- Regulatory measures
- Anomalies and failure management (detection, risk assessment, possible actions, resolution of incidents with search root causes)
- The types of shut-down, their different stages as well as the known and accepted procedures
- Constraints and threshold limits
- The specific provisions and procedures after shutdown
- Consignments installation
- The plant maintenance
- Management and organization of the team
- The role and responsibility of each member of the team (manager, control room operator and field operator)
- Management with maintenance team and subcontractors
- Company procedures
- Personnel safety