

Course Overview:

Power Plant Operator Training Program provided the employees of Typical Power Plant, will be of the highest quality that can be achieved and consistent with the needs of each individual employee. This Training Program will be presented in a manner that enhances the ability of the Power Plant Operators to offer quality energy services of a superior value in a safe and environmentally responsible nature.

Course Objective:

- Operate a chemical plant with safety as the prime consideration
- Monitor instrumentation and operate a broad range of common chemical plant equipment
- Make adjustments to keep system process variables such as flows, temperatures and pressures within acceptable ranges
- Detect potential and actual problems and take corrective action to prevent the interruption of system operations
- Analyze operational trends and take corrective actions
- Use standard operating procedures to start/stop production equipment
- Maintain communication with other operators, maintenance and the management

Course Outline:

- Basic Safety
- Basic Hazard Communication
- Basic Lockout – Tag-Out
- Heat Exchangers
- Lubrication And Bearings
- Electrical Safety
- Industrial Valves
- Compressor
- How To Read Process Drawings
- Basic Process Instrumentation And Control
- Pump Fundamentals
- Centrifugal Pumps
- Chemistry Fundamentals
- Chemical Reactions
- Chemical Reactors

Who Should Attend:

Chemical plant, Mechanical, Operation, Production, and Maintenance Engineers Senior Technicians, who work in power utilities, should benefit from this course. Also Senior Engineers should update and refresh their knowledge by attending this course.

Training Language:

EN / AR

Training Methodology:

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation