

Course Overview:

Troubleshooting of Chemical Plants (Industrial Process Plant) is required to:

- Restore or improve on-line time and enhance production capacity.
- Achieve specifications of the product, by product and waste stream.
- Reduce hazards and Utilities Consumption.
- Improve yield, Auxiliary Chemicals and Catalysts and;
- Meet environmental standards.

Course Objective:

- Explain steps in troubleshooting techniques.
- Demonstrate the use of troubleshooting tools to process problems.
- Apply troubleshooting techniques.
- To perform systematic to solve engineering problems.
- Cause and Effect Analysis: Using measured process variables and personal knowledge of how these variables affect each others.

Course Outline:

- Chemical Plants Processes and Operation
- Basics of Plant equipment / Functionality / Operation
- Batch and continuous Process
- Process Control
- Problem Solving Techniques
- Troubleshooting in Chemical plants
- Troubleshooting models
- Troubleshooting Methods
- Troubleshooting Problems in Refrigeration Systems
- Troubleshooting Problems in Rotating machines (Pumps Fans, Blowers and Compressors)
- Troubleshooting Problems in Distillation towers
- Troubleshooting Problems in boilers and Heat exchangers

Who Should Attend:

- Those faced with the challenge of actually using the various techniques of Troubleshooting and Problem Solving to reduce downtime and waste and improve run efficiencies will benefit
- It is of equal importance to Production, Maintenance Engineering and Process Engineering personnel

Training Language:

EN / AR

Training Methodology:

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