

Course Overview:

To provide all participants better and deep understanding of practical control loops problems.

Course Objective:

- To give participants better and deep understanding of practical control loops problems.
- To provide participants with the most accurate diagnostic methods to identify and to solve their difficult control loops problems

Course Outline:

- THE NATURE OF PROCESS PROBLEMS AFFECTING PERFORMANCE
- PRACTICAL PROBLEMS IN PROCESS CONTROL
- EFFECT OF MAINTENANCE/OPERATIONS STRATEGY
- REAL PROCESS CHARACTERISTICS.
- CONTROL CHARACTERISTICS.
- FINAL CONTROL ELEMENT CHARACTERISTICS.
- DIFFICULT CONTROL LOOP PROBLEMS
- EXCESSIVE HYSTERESIS.
- STICKY CONTROL VALVES.
- NOISY MEASUREMENT SIGNALS.
- CONTROL LOOP INTERACTION.
- PRACTICAL CASE STUDY.
- CONTROL LOOP ANALYSIS
- PROCESS CLASSIFICATION.
- NOISE EVALUATION.
- DYNAMIC COUPLING EVALUATION.
- TOOLS OF CONTROL PROBLEM DIAGNOSIS:
- CLOSED LOOP TESTING AND ANALYSIS.

Who Should Attend:

- Supervisors who are involved in the operations function and who are responsible for
- leading and directing people to achieve and improve productivity levels
- 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