



Maintenance & Reliability Management

Maintenance Troubleshooting: Troubleshooting Procedures

Course Introduction

The course teaches participant how to identify symptoms associated with mechanical or electrical equipment problems, determine faulty components based on symptoms, plan a course of action to take in repairing the problem, repair the problem, and observe post-repair equipment.

Target Audience

- Facilities Engineer
- Facilities Engineering Manager
- Facilities Manager
- Facilities Specialist / Coordinator
- Health and Safety Engineer
- Maintenance Group Leader
- Maintenance Helper / Assistant
- Maintenance Manager
- Maintenance Superintendent
- Maintenance Supervisor
- Mechanical Reliability Engineer
- Network Reliability Engineer
- Operations and Maintenance Specialist
- Reliability Engineer

Learning Objectives

- Identify the abnormality or symptom based on normal operation behavior
- Determine the faulty element or component based on symptoms
- Plan a course of action to repair the equipment

- Safely perform repairs on the equipment
- Apply observation techniques to prevent reoccurrence once the problem is repaired.

Course Outline

• 01 DAY ONE

Identifying Symptoms

- Observation
- Temperature
- Vibration
- Sound
- Smell

• 02 DAY TWO

Determining Faulty Components

- Component Failure Analysis
- Isolating the Fault

• 03 DAY THREE

Planning a Course of Action

- Component Access
- Process Interruption
- Maintenance Economics

• 04 DAY FOUR

Repair and Follow-up Observation

- Replacement Preparation
- Component Replacement

• 05 DAY FIVE

Operational Observation

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
April 7, 2025	April 11, 2025	5 days	4250.00 \$	UAE - Dubai
July 7, 2025	July 11, 2025	5 days	4950.00 \$	Italy - Rome
Oct. 13, 2025	Oct. 17, 2025	5 days	4250.00 \$	UAE - Abu Dhabi