

Workshop on

“Advanced Maintenance Management”

2-Days Program

About Us

We are the training providers and deals in Technical, HSEQ, Management and Soft Skills Training.

We have highly knowledgeable and experienced local & foreign subject matter experts. Our team is highly focused and provides the best support as per your requirements and needs.

We provide a platform from where you can add value in your teams. We are highly fascinated on the development of your Technical and Management Teams.

We can provide on-site and classroom training.

Trainer's Profile

The Trainer is a Mechanical Engineer with extensive hands-on experience in all phases of Asset Integrity Management i.e. 1) Engineering and design 2) Construction and commissioning and 3) Operation, modification and maintenance in world-class Oil & Gas and Energy Sector.

He has worked extensively in the Maintenance Department of ENI, Italian Oil & Gas Company, Bhit Field and Generation Performance Department of Large-scale Power plants at K-Electric, Karachi. He has developed Front-End Engineering Design and overseen construction of multiple Projects at Himark Biogas, Canadian Renewable Energy Company.

The trainer has carried out testing and analysis of the performance and reliability of Mechanical equipment pertaining to the energy sector at the Western Cooling Efficiency Center, USA. He is currently working as a consultant on multiple projects for companies in the Middle East, Pakistan and USA (such as K-Electric, Davaam, NS Renewable Solutions and Rheem).

Mr. Najib has completed his PhD in Mechanical & Aerospace Engineering from University of California, Davis USA. He did his Bachelors and Masters in Mechanical Engineering (Energy Systems) from NED University of Engineering and Technology.

Training Content:

Introduction To Advanced Maintenance Management

- Objectives of maintenance management
- Asset management
- Maintenance life cycle
- Common maintenance management problems
- Typical responsibilities of a maintenance manager

The Maintenance Organization

- Continuous improve practices in maintenance
- 5S Model to improve productivity and reliability
- Defining 5S and its principles
- Relationship between maintenance and production
- Determine needs and requirements
- Applying the principles of 5S to continuous improvement

Management of Maintenance

- Maintenance strategies
- Overall Equipment Effectiveness (OEE)
- OEE calculations
- Equipment failures and patterns
- Failure modes and effect analysis
- Emergency and preventive maintenance
- Common preventive maintenance tasks
- Predictive maintenance
- CMMS(SAP)

Maintenance Planning and Control

- Maintenance work flow process
- Work requests and work orders
- Work planning and scheduling
- Backlog management
- Resource management
- Spare parts management
- Maintenance master budget
- Capital budgeting
- Maintenance initiatives
- Replacement analysis of assets
- Maintenance operating budget
- Innovation and creativity

Safety in Maintenance

- Myths about safety
- Why the concern for safety
- Unsafe acts and unsafe conditions
- Safety culture elements
- Conducting safety audits

Maintenance Performance Management

- Measuring and evaluating maintenance performance
- Common maintenance Key Performance Indicators (KPIs) and targets
- The maintenance balanced scorecard



The
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