

Training Title

DEVELOP & ANALYZE PRODUCTION REPORTS & ACHIEVING OPERATIONAL EXCELLENCE

Training Duration

5 days

Training Venue and Dates

ME220	Develop & Analyze Production Reports & Achieving Operational Excellence	5	26-30 September, 2021	\$4,500	Dubai, UAE.
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In any of the 5 star hotels. The exact venue will be informed once finalized.

Training Fees

- 4,500 US\$ per participant for Public Training includes Materials/Handouts, tea/coffee breaks, refreshments & Buffet Lunch.

Training Certificate

Define Management Consultancy & Training Certificate of course completion will be issued to all attendees.

TRAINING DESCRIPTION

With this course, you will understand the operational characteristics of all Basic Corrective Actions of Production systems.

learn how to operate and monitors production of the surface facilities Conduct the regular checking and recording of various flows, levels, pressures and temperatures to ensure they are within specified operation limits. Review abnormal reading and takes corrective action Draft requests to deal with unresolved problems.

This course is a strong introductory course for engineers expected to plan and improve daily reports of production operations.

TRAINING OBJECTIVES

To provide participants with a comprehensive information on the principle of operations of Maintenance Technologies and General process for performing and documenting an RCA-based Corrective Action.

WHO SHOULD ATTEND?

Mechanical Engineers and Technicians who are involved in planning, selection, operation and maintenance.

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TRAINING METHODOLOGY:

A highly interactive combination of lectures and discussion sessions will be managed to maximize the amount and quality of information and knowledge transfer. The sessions will start by raising the most relevant questions, and motivate everybody find the right answers. You will also be encouraged to raise your own questions and to share in the development of the right answers using your own analysis and experiences. Tests of multiple-choice type will be made available on daily basis to examine the effectiveness of delivering the course. Very useful Course Materials will be given.

- 30% Lectures
- 30% Workshops and work presentation
- 20% Group Work & Practical Exercises
- 20% Videos & General Discussions

DAILY OUTLINE

- History of maintenance
- Putting the development of maintenance in perspective.
- Defining reliability.
- Maintenance measurements.
- Defining the role of maintenance in the new generation plant and operations.
- The development of RCM and RISK BASED RCM.
- The nature of failure.
- The meaning of maintenance.
- Moving beyond “maintenance” to Physical Asset Management.

Failure Modes and Causes:

Defining the actual root causes of failures.

Special attention is given to:

- Failure modes and causes. The identification of the cause of a failure mode at the level required for determining technically appropriate failure management policies.
- The different categories of causes of failure modes (physical, human and latent).
- The applicability and practicality of statistical failure analysis techniques in the application of RCM in the industry

Failure Effects

- Defining the physical effects of the failures.

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- How the effects of failure (modes and causes) influences the associated risks.

Failure Consequences :

- Identifying and Quantifying the Risks identifying the impact of failures on business and the associated risks.
- Hidden Risks / Protecting Devices, Operational and Non-Operational Risks.

Pro-active Failure Management Policies:

- Predictive Maintenance / Condition Based Maintenance techniques that is technically appropriate and applicable or cost effective.

Effective maintenance program:

- Preventive maintenance
- Predictive maintenance

Root Cause Analysis:

- Evaluating root cause analysis
- General process for performing and documenting an RCA-based Corrective Action
- Root cause analysis techniques
- Methods of failure investigation
- Causal factor mapping for incidents and failure
- Logic uncover the physical, human and latent causes of failures

NOTE:

Pre & Post Tests will be conducted

Case Studies, Group Exercises, Group Discussions, Last Day Review & Assessments will be carried out.

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