



PROJACS ACADEMY
by @egis



Managing Equipment Maintenance and Reliability (IFMAM Workshop 3)

إدارة صيانة المعدات والموثوقية

18 – 22 September 2023

Dubai / UAE

Introduction

Equipment Maintenance and Reliability Managing is a critical task for every successful industrial organization.

This intensive 5-day course has been designed to benefit engineers and technicians who are involved in the operation and maintenance of any industrial unit. It covers all the fundamentals of Maintenance management strategies as well as the advanced techniques of maintenance planning & monitoring. A focus is directed on basic concepts of Equipment reliability & maintenance programs.

The understanding of possible reasons leading to machinery failure is important to personnel involved to machinery, design, manufacture, operation and maintenance. This will help all of them to take possible precautions in their jobs to avoid future failures.

Who Should Attend?

Participants from organizations where the reliability, performance and attendant risks of fixed assets have a significant impact on business performance, will benefit most from this course. This course is suitable for engineering and technical managers, project managers and project engineers, operations managers, maintenance managers, Facilities Managers, EHS and quality managers, and procurement and supply chain managers.

Course Outline

Day One

An Overview of Key Maintenance Work Processes

- Introduction to Maintenance Management
- Definitions of key terms
- Types of Maintenance - Reactive, planned and improvement jobs, Preventive and Proactive

Day Two

Maintenance Management Systems

- Maintenance Planning and Scheduling
- Computerized Maintenance Management Systems
- Developing Maintenance Key Performance Indicators

Day Three

Preventive Maintenance and Maintenance Strategy

- Maintenance Organization Structure and Policies
- Developing and Implementing a Preventive Maintenance Program
- Applying Reliability Based principles to Maintenance Strategy Development

Day Four

Maintenance Logistics and Cost Control

- Managing Maintenance Spare Parts and Logistics
- Optimizing Spare Parts Inventory Levels
- Maintenance Budgeting
- Controlling Maintenance Costs
- Introduction to Life Cycle Cost Concepts

Day Five

Maintenance Team Work

- Engineering, Production & Maintenance Teams
- Benefits of Integrated teams
- Motivation and empowerment
- Total Productive Maintenance Concepts
- Implementing Team Based Continuous Improvement in Maintenance

Training Method

- Pre-assessment
- Live group instruction
- Use of real-world examples, case studies and exercises
- Interactive participation and discussion
- Power point presentation, LCD and flip chart
- Group activities and tests
- Each participant receives a 7" Tablet containing a copy of the presentation, slides and handouts
- Post-assessment

Program Support

This program is supported by interactive discussions, role-play, case studies and highlight the techniques available to the participants.

Schedule

The course agenda will be as follows:

- | | |
|---------------------|------------------|
| • Technical Session | 08.30-10.00 am |
| • Coffee Break | 10.00-10.15 am |
| • Technical Session | 10.15-12.15 noon |
| • Coffee Break | 12.15-12.45 pm |
| • Technical Session | 12.45-02.30 pm |
| • Course Ends | 02.30 pm |

Course Fees*

- **3,200 USD**
**VAT is Excluded If Applicable*

المقدمة

تعد صيانة المعدات وإدارة الموثوقية مهمة حاسمة لكل مؤسسة صناعية ناجحة.

تم تصميم هذه الدورة التدريبية المكثفة لمدة ٥ أيام لإفادة المهندسين والفنيين الذين يشاركون في تشغيل وصيانة أي وحدة صناعية. تغطي هذه الدورة جميع أساسيات استراتيجيات إدارة الصيانة بالإضافة إلى التقنيات المتقدمة لتخطيط الصيانة ومراقبتها. وتركز على المفاهيم الأساسية لموثوقية المعدات وبرامج الصيانة.

إنّ فهم الأسباب المحتملة التي تؤدي إلى فشل الآلات أمرًا مهمًا للموظفين المعنيين بالآلات والتصميم والتصنيع والتشغيل والصيانة. سيساعدهم هذا جميعًا على اتخاذ الإجراءات المسبقة الممكنة في وظائفهم لتجنب الفشل في المستقبل.

الحضور

سيستفيد المشاركون من المنظمات التي يكون لموثوقية الأصول الثابتة والأداء والمخاطر المصاحبة لها تأثير كبير على أداء الأعمال. هذه الدورة مناسبة للمديرين الهندسيين والفنيين ومديري المشاريع ومهندسي المشاريع ومديري العمليات ومديري الصيانة ومديري المرافق ومديري البيئة والصحة والسلامة والجودة ومديري المشتريات وسلسلة التوريد.