Projacs
an egis company
بروجاكس للتدريب والتطوير
Projacs Training and Development

Best Strategies for Maintenance Planning the Reliability Methodologies Recommendations, Execution and Challenges

أفضل الاستراتيجيات في التخطيط للصيانة الاعتمادية وتوثيق الأساليب وتنفيذ التوصيات

04 – 08 November 2019

Istanbul

A Member of:
PROJACS ACADEMY

ProjacsAcademy.com

Introduction

The maintenance philosophies are one of the major parts in our era. The definition between maintenance and repair issues is one of the major concerns. The application of the developed maintenance techniques such as the RPN and the FMEA techniques together with the trouble shooting techniques will be discussed.

Objectives

The course will be directed towards the true understanding of the preventive and predictive maintenance taking into account the new developed techniques that are obeyed in the application of such maintenance philosophies. Case studies will be implemented together with video clips and photographs and catalogues for the true implementation with the studied subject

Who Should Attend?

- Mechanical and Electrical Engineers
- Maintenance Engineers and Supervisors

Course Outline

Day One

- Introduction to Maintenance
- Types of maintenance
- Maintenance strategies
- Depreciation Vs consumption of machines and equipment
- Machine life time and its relation to failure

Day Two

- Depreciation curves
- Machine useful life
- Types of Maintenance Programs
- Introduction to mechanical fault diagnosis
- Preventive maintenance
- Predictive maintenance
- Reliability centered maintenance

Day Three

- How to initiate RCM
- Case studies
- Time Based Maintenance (TBM)
- Condition Based Maintenance (CBM)
- Maintenance management
- Maintenance management budget
- CMMS that can be achieved

Day Four

- Implementing a planned maintenance system
- Maintenance responsibilities
- Why planned maintenance?
- Advantages of planned maintenance program
- Maintenance work order form
- Time-driven ABC vs. traditional ABC
- Avoid failure and fault
- FMEA

Day Five

- Benefits of FMEA
- FMEA procedure
- Profit Priorities from Activity-Based Costing
- The critical path method (CPM)
- PERT chart and GANTT chart
- Spare parts

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 binder 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*

- **2,950USD**
  **VAT is Excluded If Applicable*

مقدمة

فلسـفه الصـيانة هي واحدة من الأجزاء الرئيسـية في عصـرنا. وتعريف او توضـيح الفرق بين الصـيانة والإصـلاح هي واحدة من الاهتمامات الرئيسـية. وسـوف تناقش تطبيق تقنيات الصـيانة المتقدمة مثل RPN وتقنيات FMEA جنبا إلى جنب مع تقنيات توثيق الأساليب وتنفيذ التوصيات.

الاهداف

سيتم توجيه مسار المشاركين نحو الفهم الحقيقي للصيانة الوقائية والتنبؤية مع مراعاة التقنيات المتقدمة الجديدة التي يتم تطبيقها في الصيانة. وسيتم تنفيذ دراسات الحالة جنبا إلى جنب مع استعراض فيديوهات وصور وكتالوجات لتنفيذ صحيح لموضوع البرنامج.

الحضور

- مهندسي الميكانيكا
- مهندسي الكهرباء
- مهندسي الصيانه