Masters In Training

CTSOLUTIONS
Customizing Business Success

2 days technical's workshop on

"Optimizing Maintenance Decisions"
9th & 10th May, 2018 Mumbai, India.

I. Course Overview

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 a major part in our era. All of these issues are going to be linked with the optimization of equipment and optimization of maintenance decisions.

II. Training Program Objective

The course will be directed towards the true understanding of the preventive and predictive maintenance optimizations 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 for taking the right optimization decisions.

III. Training Methodology

This training is an interactive one. The participants are to be evaluated prior to the course start and after the course ends. The training will use many tools such as;
-Flip charts
-Overhead projector
-Data show
-Educational videos
-Case studies using printed catalogues and brochures

IV. Training Program Agenda

Day 1

- Introduction about maintenance
- Depreciation Vs consumption of machines and equipment
- Machine life time and its relation to failure
- Depreciation curves
- Machine useful life and optimization
- Types of Maintenance Programs
- Introduction to mechanical fault diagnosis
- Preventive maintenance
- Predictive maintenance
- Reliability centered maintenance
- How to initiate RCM
- Case studies

Day 2

- Time Based Maintenance (TBM)
- Condition Based Maintenance (CBM)
- Maintenance management
- Implementing a planned maintenance system
- Maintenance responsibilities
- Optimizing the maintenance activities
- Why planned maintenance?
- Avoid failure and fault
- FMEA
- Benefits of FMEA
- FMEA procedure
- The critical path method (CPM)
- PERT chart and GANTT chart
- Capital Investment in Equipment and Maintenance: ROI
- Total Productive Maintenance

Dr. Eng. Ashraf Ghorab

Mechanical instructor – International Inspector – senior consultant Dr. Ashraf is a mechanical engineer with more than 30 years experience in training and technical consulting, in the field of mechanical engineering. Dr. Ashraf is a certified trainer from the World Bank and he used to deliver courses in mechanical engineering especially in the field of operation and maintenance of equipment. ***Dr. Ashraf is an international inspector for the mechanical equipment. He performed inspection in more than 35 countries in different aspects of industry. In the maintenance field he helped many companies in Egypt to set the maintenance programs, CMMS and FMEA principles and his contribution was a great success to several industrial organizations.*** He is an international inspector for electro- mechanical works dealing with more than 300 factories and manufacturing workshops in Egypt and round the world in different industrial aspects. He is performing the inspection procedures and root cause analysis according to the international standards and performing the load tests for the equipment. He is a trainer for multi engineering disciplines in different industrial sector. Dr Ashraf is performing design review for several engineering design aspects; especially in electro-mechanical disciplines, Energy Section. Dealing with control valves, pumps, compressors, pipe lines, firefighting equipment, boilers, heat exchangers, He is a specialized in Energy and Energy optimization issues with great emphasis on Renewable Energy, especially Wind Energy.Dr. Ghorab works as a development consultant and reviewer for industrial factories specifying the factory needs for business development and support together with the energy optimization issues. Dr. Ashraf is performing studies of the maintenance plans and the failure diagnosis and issuing the maintenance scheduling, Gantt charts, maintenance contracting and out sourcing issues. Dr. Ashraf is concerned with the maintenance contracting and he is helping several companies in implementing the contracting issues together with the outsourcing issues. Also, helping some industrial factories and companies in making renovations for their facilities for business development and assisting them in their maintenance plans. In the same time, Dr. Ashraf is a technical consultant and trainer for mechanical engineering and management topics working with planning, designing as well as implementing technical programs for the technology transfer process in different

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Participants Registration Form

Full Name: _____

(First name for badge):_____

University/Organization: _____

Mailing Address: _____

City: _____ **State/Province:** _____

Zip/Postal Code: _____

Country: _____**Telephone: (_____)** _____

Email: _____

For Registration: Call to Mr. Irfan Shaikh on 9029009067 / 022 6500 9067 (India) or Marylen Velasco at +65 6524 4973 or +65 8322 9495 (Singapore)
Or Mail to info@mastersintraining.co.in or marylen@ctsolutionsglobal.com

[-] Professional training fee @ INR 24,000 + 18% GST.
[-] International Delegates fee @ USD 850.

Payment Cheque / DD **"Masters In Training"**
Courier to**: Mr. Irfan Shaikh – A/104, Chandresh Mahal, Lodha Road, Opp Umar Masjid, Mira Road East, Thane - 401107**

MIT Payment Terms: A confirmation letter and invoice will be sent to you on Receipt of your registration. Payment is required within 5 working days on receipt of invoice. Please note that full payment must be received prior to the event. All payment should be in favor of "**Masters In Training**" and should be couriered to the following address: **Mr. Irfan Shaikh – A/104, Chandresh Mahal, Lodha Road, Opp Umar Masjid, Mira Road East, Thane – 401107**

Cancellation Policy: If you are unable to attend, a substitute delegate is welcome in your place with no Extra cost. Cancellations must be in writing (letter/Email) and has to reach this office within 11 working days prior to the event. Registration cancelled before 7 days of the said event will be charged in full and no refund will be entertained or be entitled to 50% discounts in our forth coming events.

Delegate Fee includes: Documentation, Luncheon, and Refreshments & Certificate of attendance.
MASTERS IN TRAINING reserves the right to alter the venue or speakers. This is a Non - Residential Programme, claim in the said regard shall not be entertained. Please Note: If you are unable to attend, we offer you the documentation course material at a discounted price on the said subject.