



Centre for
Management
Technology®
into our 26th year

2-day program on

Predictive Maintenance Techniques

NEW APPROACHES TO EQUIPMENT RELIABILITY

13-14 JULY 2009

- JW Marriott Hotel, Kuala Lumpur

FOCUSING ON

- Three Cultures of Maintenance
- Reasons Why Equipment Fail
- Technology Advancement Vs Technical Skill
- Types of Equipment Maintenance
- Predictive Maintenance Techniques
- Productivity Efficiency Monitoring

Program for 2 Days

MODULE 1

OBJECTIVES OF EQUIPMENT MAINTENANCE

- Equipment Generation
- The 3 Cultures Of Maintenance
- 5 Reasons Why Equipment Fail
- Technology Advancement Vs Technical Skill
- True Objectives Of Equipment Maintenance

MODULE 2

TYPE OF EQUIPMENT MAINTENANCE

- Run To Failure System (BM)
- Scheduled Preventive Maintenance (PM)
- Maintenance Prevention (MP)
- Reliability Centered Maintenance (RCM)
- Predictive Maintenance (PdM)

MODULE 3

PREDICTIVE MAINTENANCE

- Definition Of Predictive Maintenance
- Objectives Of Predictive Maintenance
- Myths About Predictive Maintenance
- On-Condition Monitoring
- How To Determine P – F Interval

MODULE 4

PREDICTIVE MAINTENANCE TECHNIQUE - 1

- Physical Monitoring
- SPC Type Monitoring
- MTBF, MTBA, Equipment Efficiency Monitoring
- Quality Affect Monitoring
- Productivity Efficiency Monitoring

MODULE 5

PREDICTIVE MAINTENANCE TECHNIQUE - 2

- Dynamic Monitoring
- Particle Monitoring
- Chemical Monitoring
- Physical Effects Monitoring
- Temperature Effects Monitoring
- Electrical Effects Monitoring

METHODOLOGY

Interactive lectures, explanations, case studies & discussions, group session, Q & A

OVERVIEW

Traditionally scheduled preventive maintenance made inroads in the 1950's as an effective tool to eliminate equipment breakdown.

Being a time based maintenance concept (TBM), scheduled preventive maintenance cannot pinpoint the actual point of deterioration because preventive maintenance either happens earlier or too late in regard to deterioration failures.

Modern equipment maintenance classify this as early or late preventive maintenance or commonly known as reactive maintenance.

An effective and very scientific method to exactly pin-point the deteriorating condition during which a restoration must be done so that a breakdown can be eliminated is very much in need.

To achieve this, a proactive maintenance concept that eliminates failure before it breaks down is critically needed. This program is designed to give participants an insight of the latest approaches in predictive maintenance. It aims to provide

- an efficient and cost effective alternative to current costly scheduled preventive maintenance
- better understanding of equipment deterioration trends
- better choices of right diagnostic tools for equipment health care
- scientific methodology for determining potential failure and functional failure characteristics identification
- in-depth exposure to condition based monitoring techniques
- steps in implementing reliability centered maintenance

Program topics, speakers and schedules published herein are confirmed as at printing time. Please refer to the event's timetable page at www.cmtevents.com for the most up-to-date information.

BY THE END OF THIS PROGRAM, PARTICIPANTS WILL ...

- Have a clearer understanding on the real objective of performing equipment maintenance
- Better understand what leads to equipment breakdown
- Be able to identify the five reasons for failure
- Be better equip to predict a failure in the making
- Know how to identify the potential before real breakdowns occur
- Be familiar with simple effective and non-sophisticated methods of identifying potentials
- Learn how to use electric and electronic gadgets to monitor potential breakdowns way before it really occurs

THIS PROGRAM WILL BENEFIT:

- Maintenance Engineers/Managers/Leaders
- Production & Manufacturing Engineers
- Plant Engineers
- Equipment Managers
- Equipment Improvement Personnel
- Technical Managers
- Senior Maintenance Technicians
- Technical Professionals & Managers that are keen to learn innovative maintenance concepts

REGISTRATION

PREDICTIVE MAINTENANCE TECHNIQUES

Name _____
 Position _____
 Email _____
 Name _____
 Position _____
 Email _____
 Tel _____ Fax _____

Company _____
 Address _____
 City/Postcode _____ Country _____
 Approving Manager's Name _____
 Position _____
 E-mail _____

Update your details at www.cmtevents.com

Fees: The full Registration Fee includes cost of all sessions, luncheon, coffee/tea & documentation.

	1 Person	Group fee for 3 or more* (from the same company)
Regular Fee	RM1995	RM1695 (MIN SAVINGS OF RM900)

** Terms and conditions apply.*

Cancellations, Refunds & Transfers: A full refund will be promptly made for all written cancellations 3 weeks before the meeting. Thereafter, cancellations are not refundable. A substitute may be made at any time.

Cheques : Crossed & payable to
"Centre for Management Technology Sdn Bhd"

Photocopy Registration Form to Preserve Brochure Copy. May 2009

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TO REGISTER

Online : www.cmtevents.com
 Email : adminkl@cmtsp.com.sg
 Fax : (603) 2162 6393
 Tel : (603) 2162 7322
 Post to : Lot 7.03, 7th Floor, North Block, The Ampwalk,
 218 Jalan Ampang, 50450 Kuala Lumpur

TELEGRAPHIC TRANSFER

Account Name: **Centre for Management Technology Sdn Bhd**
 A/C No: **3 - 0903390 - 12**
 Bank: Public Bank Berhad
 Branch: Grd Floor, Menara Public Bank Jalan Ampang
 Swift Code: PBBEMYKL
TT must include additional RM10 for Beneficiary's Bank charges. Delegates must bear all bank charges and local taxes (if applicable). Fees must be NETT of ALL charges.

CERTIFICATE OF COMPLETION

A Certificate of Completion will be awarded upon successful completion of each course. This serves as evidence of your personal and professional commitment to you career.

COURSE TIMING
*Registration: 8.30 am, Course Begins: 9.00 am,
 Morning Coffee: 10.30 am, Lunch: 1.00 pm to 2.00 pm,
 Tea Break: 3:30 pm, Course Ends: 5.00 pm*

CMT into our 26th year is a global conference organizer HQ in Singapore. CMT's dedicated team works closely with market leaders to analyze the latest industry trends and provide information supporting your decision making. Our annual 60 events encircle the globe from Asia Pacific to the Middle East to New Europe/Russia and Latin America.

Register online ~ www.cmtevents.com

LEARNING PARTNER

MR. P. BALACHANDRAN brings to this program more than 17 years of solid industrial experience in the manufacturing sector as well as 12 years in maintenance manufacturing training and consultancy.

His experience includes that of Equipment Engineer, Section Head of Production, Production Manager and Training & Education Manager with well know corporations such as Motorola, Thomson Audio Electronics and Samsung Electron Devices.

Mr. Bala then became involved in management consultancy and trained full time in specific areas of manufacturing and maintenance training. His natural leadership style coupled with his vast industrial experience makes him a valuable partner and resource in developing the workforce of the manufacturing sector and in troubleshooting.

Mr. Bala has trained more than 3000 professionals and some of the companies that have benefited from his expertise include Komag Malaysia, Minolta, Silitek, Sony Malaysia, Robert Bosch, TDK Malaysia, Swedish Motor Assembly, Western Digital, Dell Computers, Texas Instruments, TNB, Genting Sanyen, PROTON, Teck See Plastics, Hicom, Philips Semiconductor, Airod, B Braun, Carsem, Dynacraft, Seagate Industires, Mattel, Perodua, Johnson & Johnson and Malaysian Airlines System