



A 2-day intensive program on

Refinery Equipments - Maintenance & Troubleshooting of Stationary Equipments

17-18 August 2009

GRAND MILLENNIUM HOTEL,
KUALA LUMPUR

FOCUSING ON

- Heat Exchangers
- Piping Components
- Furnace
- Steam Traps
- Columns And Towers

OBJECTIVE

Static equipments play an important role in any plant since the use of any equipment becomes a vital cog in operations. In an oil refinery, common static equipments used are Heat Exchangers, Steam Traps, Furnaces, Distilling Columns and Piping Systems with its associated appurtenances.

The course offers a wide range of applications and uses allowing the participants to attain knowledge and expertise on selected focus areas with maintenance and repairs as the leading major initiatives.

The scope of the coverage of this course is focused on the correct application and best practices in the refinery industry. Delivered by an expert in the industry, participants will obtain the best possible results.

DAY 1 Monday, 17th August 2009

9.00 HEAT EXCHANGERS

- Types of Heat Exchangers
- Basic Operations

10.30 Morning Coffee

10.45 HEAT EXCHANGERS

- Inspection Procedure and Frequency
- Troubleshooting
- Repairs and Maintenance

1.00 Lunch and Zohor

2.00 PIPING COMPONENTS

TYPES AND CLASSES OF PIPES

- Pipe Sizing
- Pipe Coatings
- Pipe End Preparation
- Pipe Joining Methods
- Pipe Repairs
- Hot Tapping Procedures

3.30 Afternoon Tea

3.45 PIPING COMPONENTS

VALVES

- Types of Valves
- Uses of Valves
- Valve Leak Repairs
- Valve Passing Inspection
 - Ultrasound
 - Infra Red

5.00 End of Day 1

DAY 2 Tuesday, 18th August 2009

9.00 FURNACE

- Types and Functions
- Parts and Accessories
- Construction

10.30 Morning Coffee

10.45 FURNACE

- Repairs
 - Refractory Lining Repairs
 - Pipe Sag, Creep and Fatigue
 - Burner Associated Problems
 - ~ Air Control
 - ~ Fuel Control

1.00 Lunch and Zohor

2.00 STEAM TRAPS

- Types of Steam Traps
 - Uses and Applications
 - Operations and Maintenance

3.30 Afternoon Tea

3.45 **COLUMNS AND TOWERS**

- Types and Classifications of Distilling Columns
- Basic Operating Principles
- Common Operational Problems
- Parts and Components
- Maintenance Concerns
 - Verticality
 - Corrosion
 - Various tray configurations

QUESTION AND ANSWER

5.00 End of Program

WHO SHOULD ATTEND

- Static Equipment Specialists
- Static Equipment Maintenance Engineers
- Maintenance Equipments Supervisors
- Static Equipments Operators and Technicians
- Corrosion Specialists
- Reliability and Maintainability Specialists
- Boiler Operators
- Static Equipments Inspectors
- Leak Plug in Specialist
- Maintenance Companies
- Turn-around Specialists
- Maintenance Technicians
- New Engineers
- Planning and Scheduling Staff
- Condition Monitoring specialists
- Contractors
- Leadmen
- Supervisors

PROGRAM FACILITATOR

ROBERTO MARAVILLA, BS in Mech Eng., was acting Consultant to Petronas Plants & Qatar Petroleum on the following subjects; Pipelines & Piping System and Refinery Equipment Management.

Prior to that, Roberto was a Corporate Assessor attached to a Multinational Oil and Gas company, where he evaluated the competency of engineers, operators and technicians. He was also responsible for identifying, analysing, developing and delivering of courses/training programmes for the staff. Roberto has also customised courses for other clients, notably ESSO Production Malaysia, SUDAN Petroleum and PETRO-VIETNAM oil refinery.

He has taken the lead in the development and delivery of the multinational company initiative on “World Class Plants” with subjects like Reliability Centered Maintenance – A New Approach, Pipelines and Piping Systems, Mechanical Equipment Management, Operations and Maintenance of Boilers, he has also developed and delivered a host of other generic courses like Pumps, Compressors, Furnace, Distilling Columns, Separators, Heat Exchangers, Internal Combustion Engines, Gas Turbines, Storage Tanks.

Roberto also was a Deputy Project Manager responsible for a project implementation, which totalled a contract value of USD 40 million and has also served as a Project Manager in a Nuclear Power Plant overseas.

Roberto has served as a Lecturer at a University in the Philippines lecturing senior students on major subjects such as Power Plant Engineering, Engineering Management, Process Plant Equipment, Project Management and Maintenance Optimisation.

With his vast experience, he is able to provide hands-on and practical training sessions, which have received excellent feedback from past clients from both the local and international markets.

METHODOLOGY

Interactive lectures with substantial participation from each participant coupled with clear and precise explanations from the instructor. The mode is mentor-mentee style with substantial handouts supporting the course materials.

REFINERY EQUIPMENTS MAINTENANCE & TROUBLESHOOTING OF STATIONARY EQUIPMENTS

17-18 AUGUST 2009 | KUALA LUMPUR

BAYARAN POS JELAS
POSTAGE PAID
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KUALA LUMPUR
MALAYSIA
NO. WP 0722

Please fax us the completed registration form

Name (Dr/Mr/Mrs/Ms)

Company Name

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(Office)

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Fax

Email

090899

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HOW TO REGISTER

ONLINE: www.cmtevents.com
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TEL: (603) 2162 7322
POST TO: Lot 7.03, 7th Floor, North Block,
The Ampwalk, 218 Jalan Ampang,
50450 Kuala Lumpur

FEES

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

1 Person	Group fee per person for 3 or more* (from the same company)
USD1095	USD895 (MIN SAVINGS OF USD600)

* 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.

PAYMENT

By 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.

CHEQUES: Crossed & payable to

"Centre for Management Technology Sdn Bhd"

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 your 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

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