

A 2-day intensive program on

STORAGE TANKS

18-19 May 2009 | Crowne Plaza Mutiara Hotel, Kuala Lumpur

- Design Considerations
- Construction, Erection and Commissioning
- Inspection & Maintenance
- Testing and Repairs

WHO SHOULD ATTEND

- Consulting Engineers
- Maintenance Engineers
- Project Engineers
- Maintenance Superintendents
- Maintenance Personnel
- Service Engineers
- Operations, Maintenance and Instrumentation Leadmen

- · Plant Operators
- Chargemen
- Technical Assistants
- · Technical Co-ordinators
- Operation & Maintenance Personnel
- Technicians
- New/Trainee Engineers
- Contractors

COURSE HIGHLIGHTS:

- Basic Design Concepts
- Types Of Storage Tanks
- Construction And Erection Of Typical Aboveground Storage Tank
- Operations
 - + Operating Principles
 - + Operating Problems
 - Foaming
 - Leaks And Repairs
 - Corrosion
 - Vent Associated Problems
 - Spillage Control And Environment Protection
- Maintenance, Repair And Troubleshooting
 - + Bottom Plate Thickness Inspection
 And Analysis
 - + Tank Verticality
 - + Leak Test
 - + Sludge Removal And Tank Cleaning
 - + Sludge Treatment And Disposal

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.

Day 1 Monday, 18th May 2009

9:00 Welcome Address and Course Introduction

BASIC DESIGN CONCEPTS

- Types Of Storage Tanks
 - Floating Roof
 - Fixed Roof
 - Bullet Tanks
 - Spherical Gas Tanks
 - Bolted Tanks
 - Plate Thickness, Bottom
 And Side Plates
 - Roof Frame Design

10:30 Tea Break

10:45 **BASIC DESIGN CONCEPTS** (CONT)

1:00 Lunch

2:00 CONSTRUCTION AND ERECTION

- Floating Roof Tank
- Fixed Roof Tank
- Bullet Type Gas Tanks
- Spherical Gas Tanks
- Bolted Tanks
- Welding Procedures
- Plate Pre-Forming
- Bund Provision

| 3:30 | Tea Break | 10:45 | PART 1 |
|-------|---|-------|---|
| 3:45 | CONSTRUCTION AND ERECTION (CONT) | | Corrosion InhibitionTank Painting And Coating |
| 4:30 | Review and Q&A | 1:00 | Lunch |
| 5:00 | End of Day 1 | 2:00 | MAINTENANCE AND REPAIR PART 2 |
| Day | 2 day, 19th May 2009 | | Painting Inspection And RepairSludge Removal And Tank Cleaning |
| 9:00 | TANK OPERATIONS Operating Pressures Vaporization And Its Effect On Operating Pressures Operating Tanks With Higher Fluid Density | | Sludge Treatment Disposal Tank Leak Repair Hot Tapping Leak Plugs Valve Replacements And Repair |
| | Wind Load Effects On Verticality Inspection Of Vents And Other | 3:30 | Tea Break |
| | Safety Features • Leak Test | 3:45 | MAINTENANCE AND REPAIR PART 2 (CONT) |
| 9:30 | OPERATING PROBLEMSWater Formation Due To | 4:30 | Review with Q&A |
| | VaporizationProduct ContaminationSludge Deposits At Tank Bottom | 5:00 | End Of Course |
| 10:30 | Tea Break | | |

| | REGISTR | ATION | | | | | |
|---------------|---------------------|-------|-------------------------------|---|----------|--|--|
| OLUNAGE LANDO | Name | | | Company | | | |
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| | Email | | | | | | |
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| | | | Approving Manager's Name | | | | |
| | | | Position | | | | |
| | Tel | Fax | | E-mail | | | |
| | | | | Fees:Thefull Registration Fee includes cost of all sessions, lunched tea & documentation. | | | |
| | | | | | 1 Person | Group fee for 3 or more* (from the same company) | |
| | | | | Regular Fee | RM2695 | RM2395 (Min Savings of RM900 | |
| | | | * Terms and conditions apply. | | | | |

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Update your details at www.cmtevents.com

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TO REGISTER

Online www.cmtevents.com Email adminkl@cmtsp.com.sq

(603) 2162 6393 Fax (603) 2162 7322

Lot 7.03, 7th Floor, North Block, The Ampwalk, Post to

218 Jalan Ampang, 50450 Kuala Lumpur

CERTIFICATE OF COMPLETION

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

PROGRAM TIMING

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

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.

luncheon, coffee/

RM900)

Crossed & payable to

"Centre for Management Technology Sdn Bhd"

Photocopy Registration Form to Preserve Brochure Copy. May 2009

TELEGRAPHIC TRANSFER

Account Name: Centre for Management Technology Sdn Bhd A/C No: 3 - 0903390 - 12

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LEARNING PARTNER

ROBERTO MARAVILLA, BS in Mech Eng., was acting Consultant to Petronas & Qatar Petroleum on Pipelines & Piping System and Mechanical Equipment Management.

Prior to that, Roberto was a Corporate Assessor with a Multinational Oil and Gas company, where he evaluated the competency of engineers, operators and technicians. He was responsible for identifying, analysing, developing and delivering of courses/training programmes. Roberto has also customised courses for Esso Production Malaysia, Sudan Petroleum and PetroVietnam 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, Pipelines and Piping Systems, Distillation Columns, Storage Tanks & Maintenance of Boilers.

Roberto was a Deputy Project Manager responsible for a project implementation valued at USD 40 million. He also served as a Project Manager in a Nuclear Power Plant overseas.

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. In September 2007, Roberto conducted two in-house training courses on Storage Tanks for Fluor Daniel inc. which were received well by the client.