

13<sup>th</sup> - 17<sup>th</sup> December 2010

Inna Kuta Beach Hotel

Bali, Indonesia

# Specialized Courses

## Optimizing Petroleum Refining Unit Operations

Process Chemical Technology Review : by NALCO



## Operation Excellence & Optimizing Unit Operation In Ammonia Plant of a Fertilizer Complex

Catalyst Technology Review by: Sud-Chemie



Organized By:



PRACTICAL ENGINEERING SOLUTIONS

**KLM** Technology Group is a technical consultancy group, providing specialized services, training and equipment to improve process plant operational efficiency, profitability and safety. KLM Technology Group is recognized world-wide as a leader in the areas of distillation simulation, column design and unit commissioning with one of the best track records in the industry.

**Summit Technology Management** affiliated with KLM Technology Group is a technical consultancy group, providing specialized services and equipment to improve process plant operational efficiency, profitability and safety. We provide practical solutions by offering training, technical services, best practices, engineering, and equipment to meet the specific needs of our partner clients.

Our Associates have assisted clients worldwide in realizing the profit potential of their facilities and closing the gap to achieving upper quartile performance. Our Associates has a broad spectrum of clients ranging from large integrated oil companies, small independent refineries, to petrochemical complexes, and other process clients.

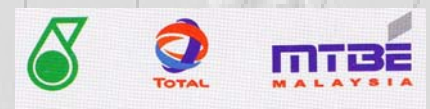
KLM Technology Group has a team of highly experienced associates in the US, Malaysia, Indonesia and Singapore, that specializes in the practical application of knowledge. Our team leaders are all degreed engineers and typically have over twenty years of specialized chemical industry experience. Assisting the team leaders are young degreed engineers and practical application specialist with many years of applicable experience.

Engineering professionals from operating, engineering, and service companies have formed KLM Technology Group. We believe the experience, training, and expertise gained over the years by our team is a marketable commodity. The energy industry has become global and many companies are forced to downsize rather than expend the enormous resources required to maintain a large experienced staff. Utilizing KLM Technology Group's experienced team only when needed is a great way to leverage human resources.



## Operations Training

Over the past five years KLM Technology Group has trained over 500 personnel from companies around the world. KLM believes the key to the furthering the education process is training. We believe keeping your engineers and operators up to date on current best practices will help keep your facilities running efficiently and at peak performance. Our training also helps minimize the risk of future accidents and reduces downtime.



# Session One - 15th to 17th December 2010

## Optimizing Petroleum Refining Unit Operations (Process Chemical review by: NALCO)

### Course Overview

This course will guide the participants to develop key concepts and techniques for optimizing petroleum refining unit operations. These key concepts can be utilized to

#### Course Outline

- Introduction
- Review of Process Incidents
- Fundamentals of Petroleum Chemistry
- Introduction to Petrochemical Key Concepts
- Introduction to Refinery Equipment
- Overview of a Refinery
- Characteristics of Crude Oil
- Crude Oil Distillation
- Process Equipment Troubleshooting
- Plant Reliability
- Quality
- Cost Control
- People Development

#### Who Should Attend

- People who are making day to day decisions regarding operation, design and economics of processing plants
- Ideal for veterans and those with only a few years of experience who want to review or broaden their understanding in Processing Plant Operations
- Other professionals who desire a better understanding of subject matters

#### What you can expect to gain

- An detailed overview of refinery operations, processes and economics
- Gain an understanding of the equipment of a refinery
- Gain an understanding of the refinery flow sheets
- Gain an understanding of refinery chemistry and catalyst
- Gain an understanding of refinery margins
- Troubleshooting Techniques
- Gain an insight to optimization strategies



**Karl Kolmetz** has over twenty-five years of progressive experience in the design, construction, commissioning, and operations management of process units from the US Gulf Coast to Alaska through Asia. He has a strong background in the manufacturing of a wide variety of chemical process technologies and product categories. His experience includes four years of Construction, two of which were on the Alaskan Pipeline with Fluor Daniel. Seventeen years (17) of Refining experience in the Charter / Phibro (now Valero) Refinery in Houston, Texas. One year of commissioning experience with Raytheon Badger Ethyl benzene / Styrene plants in Asia. Seven years (7) Ethylene experience: four years in Louisiana and three years in Malaysia with the West-lake / Titan Group. Two years (2) of distillation design experience as the Asia Pacific Technology Manager for Suzler Chemtech, a leading distillation company. Karl is currently General Manager for KLM Technology Group. Karl has been nominated to a task force to help review Chemical Engineering Curriculum in Malaysia. He has a Bachelor of Science in Chemical Engineering from The University of Houston..

## Session Two - 15th to 17th December 2010

### Operation Excellence & Optimizing Unit Operation In Ammonia Plant of a Fertilizer Complex (Catalyst Review by: Sud-Chemie)

### Course Overview

This course will guide the participants to develop key concepts and techniques for optimizing ammonia plant unit operations. These key concepts can be utilized to make operating decisions that can improve your unit's performance

#### Course Outline

- Introduction
- Introduction to Ammonia plant Key Management Concepts to maximize profitability & sustainability
- Introduction to Key equipment in Ammonia Plant & how to optimize
- Overview of an Ammonia Plant
- Plant Reliability
- Quality
- Cost Control
- People Development

#### Who Should Attend

- People who are making day to day decisions regarding operation, design and economics of processing plants
- Ideal for veterans and those with only a few years of experience who want to review or broaden their understanding in Processing Plant Operations
- Other professionals who desire a better understanding of subject matters

#### What you can expect to gain

- An detailed overview of Ammonia plant operations, processes and economics
- Gain an understanding of how to optimize equipment & system in Ammonia plant
- Gain an understanding of the Ammonia plant flow sheets
- Gain an understanding of Ammonia chemistry and catalyst
- Gain an insight to optimization strategies



**Helmilus Moesa** has more than 23 years of progressive experience in the design, construction, commissioning, and operations management of process units. He has a strong background in the manufacturing of a wide variety of chemical process technologies and product categories including; ammonia, olefin, and polymer catalytic reactions, distillation, solids handling and steam & power plant operations. Mr. Moesa has substantial experience in the operation, design and troubleshooting of Ammonia, Olefin and Polymer Plants. His experience includes seven (7) years of Ammonia experience and sixteen (16) years of Olefin and Polymer experience. He has authored papers and spoke at technical conferences across Asia and North America. He is a Chemical Engineer from Gadjah Mada University, Yogyakarta, Indonesia, and also has an Master Business Administration (MBA).



**Waluyo Utomo**, Has over than 20 years of progressive experience in the design, construction, commissioning, and operations management of process units. He has a strong background in the manufacturing of a wide variety of chemical process technologies and product categories including; ammonia catalytic reactions, distillation, solids handling and steam & power plant operations. Mr. Utomo has substantial experience in the operation, design and troubleshooting of Ammonia Plants. His experience includes twenty years (20) of Ammonia experience in the Pupuk Kaltim Indonesia. He has authored papers and spoke at technical conferences across Asia and North America. He is a Chemical Engineer and Magister Management (MM) from Gadjah Mada University, Yogyakarta, Indonesia.

**Specialized Courses**  
**Optimizing Petroleum Refining Unit Operations**  
**Operation Excellence & Optimizing Unit Operation**  
**In Ammonia Plant of a Fertilizer Complex**  
**13th—17th December 2010**

**Method Of Payment**

Please kindly complete and return the reply form together with:

**Local and International Participants**

- By Direct Transfer/Bank Draft which are made payable to  
Company : Summit Technology Management CV
- Bank details: **Bank Central Asia (BCA)**
- Account No : **651 030 1178**
- Please instruct your bank to remit us the full amount, net of bank charges.

**Cancellation & Substitutions**

A full refund will be promptly made for all written cancellations 2 weeks before the meeting. 50% refund will be made for written cancellations received 7 days before the meeting. A substitute may be made at any time.

**Note**

- A) The organizer has the right to make any amendments that they deem to be in the best interest of the course and to cancel the course if insufficient registrations are received a week before course commencements date.
- B) **CERTIFICATE OF ATTENDANCE** will be awarded at the end of the course.

**Yes ! I would like to register the following participants**

Name 1 \_\_\_\_\_

Job Title \_\_\_\_\_

Session Title \_\_\_\_\_

Name 2 \_\_\_\_\_

Job Title \_\_\_\_\_

Session Title \_\_\_\_\_

**Company Information**

Company \_\_\_\_\_

Address \_\_\_\_\_

Town \_\_\_\_\_ State \_\_\_\_\_

Tel \_\_\_\_\_ Fax \_\_\_\_\_

**Authorized Signatory** (\*This registration is invalid without signature from an authorized officer)

Name \_\_\_\_\_

Signature \_\_\_\_\_ Job Title \_\_\_\_\_

Tel \_\_\_\_\_ Fax \_\_\_\_\_

Chop & Signed By:

- Ask about multiple courses and participants discounts
- Course participates will receive a complimentary copy of our Engineering Design Guidelines – Part 1 – Piping Fluid Flow and Line Sizing – Worth US\$ 395.00
- The course fees are as follows which includes refreshments and lunch, but does not include transportation or accommodation

Course Fee

- Participates from Indonesia .....
- Participates from Malaysia .....
- Participates from Thailand .....
- Participates from Singapore .....
- Other International Participants .....

Per Course

- Rp 12.000.000 per 2.5 day course
- RM 3.700 per 2.5 day course
- THB 36.000 per 2.5 day course
- SG\$ 1.500 per 2.5 day course
- EURO 1.900 per 2.5 day course

**Mailing Address**

**Summit Technology Management**

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Registration: +62 858 1145 2324 (Rita)

**Venue of Conference**



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