

4th - 8th October 2010
Atlet Century Hotel
Jakarta, Indonesia

Specialized Courses

Chemical Engineering for Non Chemical Engineers and Introduction to the Refining and Petrochemical Processes

Organised By:



KLM

**Technology
Group**

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.

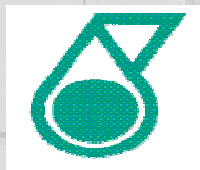
KLM Technology Group has a team of highly experienced associates in the US, Malaysia, Indonesia and Singapore, that specializes in the practical application of knowledge. Our team leaders are all degreed engineers and typically have over twenty years of specialized chemical industry experience. Assisting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



Introduction to the Refining and Petrochemical Processes

Course Overview

This course will guide the participants to develop key concepts and techniques for the refining and petrochemicals processes.

Course Outline

- Introduction
- Review of Process Incidents
- Fundamentals of Petroleum Chemistry
- Introduction to Refining and Petrochemical Key Concepts
- Introduction to Refinery and Petrochemical Equipment
- Overview of a Refinery
- Refinery Configurations
- Overview of an Ethylene (Olefin) Plant
- Overview of Ethyl Benzene/Styrene Plant
- Overview of BTX Separation Plants

Who Should Attend

- This program has been designed for non-technical personnel assigned to positions in refineries, and petrochemical plants, corporate offices, suppliers and other interrelated companies
- The content of the program is based upon the assumption that those in attendance do not have a formal education in engineering and chemistry and do not work in highly technical environments
- Attendance at this course will be beneficial to support personnel such as environmental professionals, accountants, business managers, administrative and legal staff, sales and marketing personnel, insurance representative, personnel managers, financial professionals and government officials
- The program should be used for newly-hired refinery plant personnel & may serve as a prerequisite for those who do not have a technical background but who want to attend the more detailed processing program for technical professionals
- 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 matter

What you can expect to gain

- An introduction of refining and petrochemical operations, processes and economics
- Gain an understanding of the equipment of a refining and petrochemical plant
- Gain an understanding of the refining and petrochemical flow sheets
- Gain an understanding of refining and petrochemical chemistry and catalyst
- Gain an understanding of the refining and petrochemical margins

Chemical Engineering for Non Chemical Engineers

Course Overview

This seminar provides an understanding of chemical process systems, equipment and economics. The seminar identifies the areas of chemical engineering that are most commonly encountered by the non-specialist, with examples that will be drawn from a range of process industries including oil and gas processing, petrochemicals, chemical manufacturing.

Course Outline

- Introduction
- Review of Process Incidents
- Fundamentals of Chemistry
- Introduction to Unit Operations Equipment
- Introduction to Fluid Flow and Mixing
- Introduction to Process Control and Instrumentation
- Introduction to the Energy and Material Balance
- Introduction to Thermodynamics and Equilibrium
- Introduction to Separation and Mass Transfer Operations
- Process Operations and Troubleshooting
- Introduction to Unit Operations Economics

Who Should Attend

- This program has been designed for non-technical personnel assigned to positions in petroleum refineries, corporate offices, supplier and other interrelated companies
- The content of the program is based upon the assumption that those in attendance do not have a formal education in engineering and chemistry and do not work in highly technical environments
- The program should be used for newly-hired refinery plant personnel & may serve as a prerequisite for those who do not have a technical background but who want to attend the more detailed petroleum refining processing program.

What you can expect to gain

- An overview of chemical engineering operations, safety, processes and economics
- Become familiar with the equipment of chemical engineering
- Become familiar with the unit operations of chemical engineering
- Become familiar plant economics



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 Westlake / Titan Group. Two years (2) of distillation design experience as the Asia Pacific Technology Manager for Sulzer 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..

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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 8.000.000 per 2.5 day course
- RM 2.500 per 2.5 day course
- THB 35.000 per 2.5 day course
- SG\$ 1.500 per 2.5 day course
- EURO 1.400 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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