

<p><b>KLM Technology Group Sdn. Bhd.</b></p>	<table border="1"> <tr> <td data-bbox="630 117 834 216"> <p><b>KLM</b></p> </td> <td data-bbox="834 117 1107 216"> <p><b>Technology Group</b></p> </td> </tr> </table> <p><b>Practical Engineering Guidelines for Processing Plant Solutions</b></p>	<p><b>KLM</b></p>	<p><b>Technology Group</b></p>	<p>Page 1</p>
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## Training and Development

The success of every company depends of each employee's understanding of the business's key components. Employee training and development will unlock the companies' profitability and reliability. When people, processes and technology work together as a team developing practical solutions, companies can maximize profitability and assets in a sustainable manner.

Our courses support the business goals and objectives of our customers in the refining, petrochemical, gas processing, oleo and specialty chemical areas. From 2004 to 2007, our key associates helped train over 500 operations, maintenance, and technical support personnel.



Operations and maintenance personnel are the process unit's first line of defense. The flare system is the process unit's last line of defense. The unit on stream time is an indication of operations training. A first quartile-operating unit's on stream factor is greater than 97%. If the on stream factor is below 97% a review of operation training and development is warranted. If on stream factor or average years of operating experience is declining a review of operations training and development should be considered.



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A review of each trainer's experience is critical when choosing an operations development program. Operations training and development is an investment in the future - maximize your return on investment. Give your employees the keys to success.

Training value is derived from participating in both standard and customized training courses. Structured on the job training is the key in developing your operations and process support staff. To provide on the job training, workshops that mentor small groups through problem solving scenarios may be the best. The best course delivery method is a mixture of lectures, case studies, exercises, and problem solving scenarios that give participants the opportunity to reinforce concepts presented.



KLM Technology Group provides specialized training courses in the areas of;

1. Distillation
2. Refining Overview, and or specifics
3. Ethylene Overview and or specifics
4. Gas Processing Overview and or specifics
5. Oleo and Specialty Chemical Overview and or specifics
6. Project Management
7. Process Engineering Simulation Software
8. Process Hazard Analysis Training
9. Safety Training
10. Unit Economics
11. Chemical Engineering for Non Chemical Engineers
12. Petroleum Refining for Non Technical Professionals
13. Petrochemicals for Non Technical Professionals
14. Operational Excellence

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## Regional or In House Seminars

Our courses can be held 'in house' or in regional seminars. We can build customized courses for your team. Invest in your and your employees' future by giving them the keys to success.



## List of Course Offerings

### Industry Management Training

- I-01. Chemical Engineering for Non Chemical Engineers
- I-02. Introduction to Petroleum Refining for Non Technical Professionals
- I-03. Operational Excellence for Managers

### Operator Training

- A-01. Distillation Operation, Control and Troubleshooting for Operators
- A-02. Introduction to Distillation Control for Operators
- A-03. Building Operational Excellence for Operators

### Distillation Training

- D-01. Distillation Training Overview
- D-02. Distillation Training for Operations Personnel
- D-03. Introduction to Distillation Simulation Software
- D-04. Advanced Distillation Simulation Software
- D-05. Advanced Distillation Overview

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	<b>Group</b>					

#### Petroleum Refining Training

- R-01. Petroleum Refining Overview, and or specifics Training
- R-02. Petroleum Refining for Technical Professionals
- R-03. Refining Catalytic Processes
- R-04. Refining Alkylation Training
- R-05. Hydrotreating Technology Training
- R-06. Petroleum Refining for Non Technical Professionals

#### Ethylene / Olefins Training

- E-01. Ethylene Overview and or specifics
- E-02. Ethylene Furnace Design and Operation
- E-03. Thermal Cracking Experiences and Advancements
- E-04. Hydrotreating Technology

#### Other Process Training

- P-01. Aromatics Overview and or specifics
- P-02. Gas Processing Overview and or specifics
- P-03. Oleo and Specialty Chemical Overview and or specifics
- P-04. Improving the Performance and Reliability of Fired Heaters and Boilers

#### Process Plant Operations and Management Training

- O-01. Project Management
- O-02. Building Operational Excellence in the Processing Industry
- O-03. Operational Excellence for Managers
- O-04. Process Unit Economics
- O-05. Chemical Engineering for Non Chemical Engineering Professionals

#### Safety Training

- S-01. Process Hazard Analysis (HAZOP) Training

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- S-02. Safety Training
- S-03. Safety and Loss Prevention
- S-04. Safe Isolation of Plants and Equipment
- S-05. Safe Unit Commissioning

Maintenance Training

- M-01. Corrosion in the Oil and Gas Industry
- M-02. Guidelines for Storage Tank Design, Construction and Maintenance
- M-03. Guidelines for Management of Shutdowns and Turnarounds

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