4th Annual Excellence In Hydrocarbon Processing Conference

24th to 28th November 2014
Melia Hotel, Kuala Lumpur, Malaysia

Special One Week Workshop Building Operational Excellence

17th to 21st November 2014
Melia Hotel, Kuala Lumpur, Malaysia

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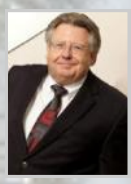

KLM Technology Group is a technical consultancy group, providing specialized services, training and equipment to improve process plant operational efficiency, profitability and safety. KLM Technology Group is recognized world-wide as a leader in the areas of distillation simulation, column design and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

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The success of every company depends of each employee's understanding of the business's key components. Employee training and development will unlock he 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. Training and development is an investment in future success - give yourself and your employees the keys to success.

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OUT PROGRAMS

Session One 24th - 26th November		Session Two 26th - 28th November
Introduction to Petroleum Refining Processes and Economics for Non Engineering Professionals	William B. Lotz	Finance for Non Financial Professionals
Hazard Analysis (HAZOP) Team Leader Training	Stephen J Wallace	Achieving Zero Accidents
Process Equipment Design Guidelines	Karl Kolmetz	Advanced Relief Valves and Flaring Systems
Optimizing Olefin Unit Operations	Jerry Farmer	Introduction To Petrochemical Processes
Introduction to Distillation Control, Design, Simulation and Troubleshooting	Timothy Zygula	Advanced Distillation Control, Design, Simulation and Troubleshooting
Managing in the New Millennium	Sivakumar Kumaresan	Chemical Engineering for Non Chemical Engineers
Distillation Operation, Control and Troubleshooting for Petrochemical and Refinery Operators	Yahya Yon	Guide Lines for Safe Commissioning of Petrochemical and Refinery Process Units
Reliability Centered Maintenance and Reliability Centered Inspection	Malik Tahir	Process and Supply Economics
Introduction to Olefin Polymer Reactor Fundamentals	Mohd Rohizat Aziz	Advanced Olefin Polymer Reactor Fundamentals and Troubleshooting

November 17-21 2014

Work Shop Facilitator
Building Operational Excellence

Jerry Farmer
Malik Tahir

There are many aspects of operational excellence. A list may include;
1. Safety
2. Reliability – Continuity of Operations
3. Quality
4. Cost
5. People Development

This course is design to build operational excellence in the following industries;
1. Petrochemical Refining
2. Olefin Production
3. Styrene Production
4. Polymer Production
5. Ammonia Production
6. Petrochemicals
7. Power
8. Gas Processing

OUT COURSES

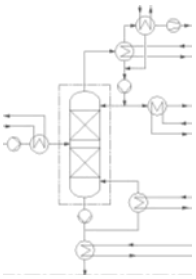
Session One
24th - 26th November 2014

Introduction to Petroleum Refining Processes and Economics for Non Engineering Professionals

Course Overview
This program will emphasize the refining and petrochemical process unit operation fundamentals, safe utilization of these fundamentals by operations, engineering, maintenance and support personnel.

Course Outline
- Introduction
- Review of Process Incidents
- Fundamentals of Petroleum Chemistry
- Introduction to Petrochemical Key Concepts
- Introduction to Refinery and Petrochemical Equipment
- Overview of a Refinery
- 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 petroleum refineries, chemical production, 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



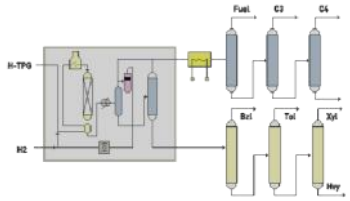
What you can expect to gain
- An introduction of the refining and petrochemical operations, processes and economics
- Gain an understanding of the equipment of a refining and petrochemical plant
- Gain an understanding of the refining and petrochemical flow sheets
- Gain an understanding of refining and petrochemical chemistry and catalyst
- Gain an understating of the refining and petrochemical margins

Session Two
26th - 28th November 2014

Finance for Non Financial Professionals

Course Overview
Many aspects of operations financial management can be improved. These principles need to be understood in advance of trouble shooting a process unit operation financial problem for the manager or problem solving to be effective.

Course Outline
- Introduction
- Basic Accounting Concepts
- Understand the Purpose of and Terminology Associated with Financial Statements
- Reviewing an Annual Report
- Budgeting
- Recognize and Apply Different Methods of Evaluating and Monitoring Operating Performance
- Conclusions



Who Should Attend
- People who are making day to day decisions regarding operation, design, and economics of processing plants
- This program is designed for nonfinancial professional managers in every functional area of responsibility in all industries
- Anyone who wants to develop their knowledge of financial practices to improve their managerial skills
- 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
- Get a firm grasp of the numbers side of your job
- Gain greater confidence with a working knowledge of business financials
- Learn how to "think finance" and translate performance into financial terms
- Cultivate proactive working relationships with finance professionals and enhance your value to the organization
- Gain an understating of process unit margins
- Gain an insight to optimization strategies

William B Lotz has over twenty-five years of experience in the construction, operation, and optimization of process units on the US Gulf Coast. Strengths encompass project management skills, ability to complete assigned tasked and out of the box optimization ideas based on economics principles.

Experience includes five (5) years of project management in general housing construction. Twenty Eight (28) of Refining experience in the Charter / Phibro / Valero Refineries in Houston and Texas City, Texas. In the refining companies started at an entry level position and has be progressively promoted through the maintenance, operations laboratory, and marine inspection groups. For the last ten years has been in charge of refinery cost accounting and yield economics.

Bill is the Coordinator for the bi-annual industry refinery benchmarking studies and internally developed a monthly bench marking review for the Valero Refining System. He has a Bachelor of Science in Accounting from The University of Houston.

OUT COURSES

Session One
24th - 26th November 2014

Process Hazard Analysis (HAZOP) Training

Course Overview
Process Hazard Analysis (PHA) studies are the foundation for process safety and risk management of hazardous process systems. They help companies identify hazard scenarios that could adversely affect people, property, or the environment.

Course Outline
- Hazard Assessment Definition
- Review of actual industry hazards
- PHA Study Objectives
- Introduction of PHA Techniques / Probability Matrix
- Team Leader Responsibilities
- Preparation and Organization of PHA Studies
- Importance of Business Records / PHA Terminology
- Selection of Study Nodes / Design intent of node
- Introduction of Guide words
- Guidelines for managing the team
- Recording Study Results / Maintaining Quality Control
- Management of Results and Recommendations
- Communication of Results to Management
- Workshop – Example HAZOP by team members

Who Should Attend
- People who are making day to day decisions regarding operation, design, maintenance, and economics of process industry plants.
- Engineers, Operating Personnel, PSM Coordinator, HSE Managers and Engineers
- Ideal for veterans and those with only a few years of experience who want to review or broaden their understanding of process safety.
- Other professionals who desire a better understanding of the subject matter.

What you can expect to gain
- How to perform a Process Hazard Analysis to meet Process Safety Management requirements for initial PHAs and management of change analyses.
- How to analyze operating procedures for critical scenarios.
- Realistic workshops

Session Two
26th - 28th November 2014

Achieving Zero Accidents

Course Overview
This course will teach participants to understand the nature of accidents, determine their causes, and prevent future accidents. Several case studies, many of which our instructors personally investigated, will be discussed to emphasize points and allow attendees to practice their skills

Course Outline
- How to develop effective incident investigation systems that can be smoothly integrated into existing management programs in large or small organizations problems
- How to determine root and contributing causes of accidents using various methods, and how to choose an appropriate method depending on the nature of the accident
- How to secure, collect, and analyze evidence and testimony, including effective interviewing techniques
- How to tailor investigation techniques to cover environmental, safety, health, quality, and productivity mishaps
- Common “traps” in investigations and how to avoid them

Who Should Attend
- People who are making day to day decisions regarding operation, design, maintenance, and economics of process industry plants.
- Engineers, Operating Personnel, PSM Coordinator, HSE Managers and Engineers
- Ideal for veterans and those with only a few years of experience who want to review or broaden their understanding of process safety.
- Other professionals who desire a better understanding of the subject matter.

What you can expect to gain
- How to develop effective incident investigation systems that can be smoothly integrated into existing management programs in large or small organizations.
- How to analyze accident trends and take proactive steps to prevent future problems.
- How to determine root and contributing causes of accidents using various methods, and how to choose an appropriate method depending on the nature of the accident.
- How to secure, collect, and analyze evidence and testimony, including effective interviewing techniques.
- How to tailor investigation techniques to cover environmental, safety, health, quality, and productivity mishaps.

Stephen J. Wallace has over 15 years of technical experience in the design, construction, commissioning, and operations management of process units located in the Continental United States and South East Asia. He has a strong background in the manufacturing of a wide variety of chemical process technologies and product categories including; cryogenic liquids, ethylene, propylene, benzene & toluene extraction, styrene, polyurethane, polymers, and steam & power plant operations.

Mr. Wallace has an established track record in the field of process safety. He possesses extensive experience performing hazard analyses using a variety of techniques, operating experience as a production manager, process safety consultant, and manager of safety and health, and author of over 25 presentations and publications in the field of safety and loss prevention.

Stephen has a Bachelor of Science in Chemical Engineering from The University of Kentucky. He is a registered Professional Engineer (by exam) in the field of Chemical Engineering. He is certified by the Board of Certified Safety Professionals (BCSP) as a Certified Safety Professional.

OUT COURSES

Session One
24th - 26th November 2014

Process Equipment Design Guidelines

Course Overview

This course will guide the participates to develop key concepts and techniques to design, process equipment in a process plant. These key concepts can be utilized to make design and operating decisions. It is a challenge to find a good Chemical Engineering Design Course.

Course Outline

- Introduction
- Review of PFD and P&ID
- Understand the calculation of line sizes and pressure drops
- Understand flow measurement sizing and develop a flow measurement process data sheet
- Understand relief valve / control valve sizing and develop a relief valve process data sheet
- Understand flash drum sizing and develop a flash drum process data sheet
- Distillation tray sizing and develop a distillation tray process data sheet
- Heat exchanger sizing and develop a heat exchanger data sheet
- Understand pump sizing and develop a pump data sheet
- Compressor sizing and develop a compressor data sheet
- Understand flare sizing and develop a flare data sheet Relationship between process design and Safety

Who Should Attend

- Engineering graduates/technologists who will be reviewing and designing process equipment in their daily work
- Technical Process engineers doing process design and optimization projects and studies that need who need advanced skills.
- Plant Operation Support Engineers checking plant performance under different operating conditions, and who are involved in design of new facilities or revamps of existing facilities
- Ideal for veterans and those with only a few years of experience who want to review or broaden their understanding of process safety.
- Other professionals who desire a better understanding of the subject matter.

What you can expect to gain

- Understand the practical applications of basic design engineering principles
- Understand content and applications of process flow diagrams (PFDs) and piping and instrument diagrams (P&IDs)
- Understand key criteria involved in the specification of process equipment and instrumentation.

Session Two
26th - 28th November 2014

Advanced Relief Valves and Flaring Systems

Course Overview

This seminar focuses on the core building blocks of the relieving and flaring process systems, equipment and economics. This program will emphasize the process unit operation fundamentals, safe utilization of these fundamentals by operations, engineering, maintenance and support personnel.

Course Outline

- Introduction
- Review of Process Incidents
- Introduction to Flaring System Equipment
- Overview of a Flare Header
- Overview of a Pressure Relieve Valve
- Overview of a Flare Knock Out Drum
- Overview of a Flare
- Flare Safety Guidelines
- Environmental Aspects
- Process Equipment Troubleshooting

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 matter.

What you can expect to gain

- An detailed overview of Flaring Systems operations, design processes and environmental concerns
- Gain an understanding of the equipment of a Flaring System
- Gain an understanding of the design of these critical pieces of equipment
- Review safety guidelines of Flaring Systems
- Troubleshooting Techniques

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. Sixteen years (16) 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. Four years (4) of distillation design experience as the Asia Pacific Technology Manager for Sulzer Chemtech, a specialty distillation company and General Manager for KLM Technology Group.

Karl is authoring a book on Process Plant Equipment Design. He 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.

OUT COURSES

Session One
24th - 26th November 2014

Optimizing Olefin Unit Operations

Course Overview
This seminar focuses on the core building blocks of the Olefin / Ethylene Plant process systems, equipment and economics. This program will emphasize the process unit operation fundamentals, safe utilization of these fundamentals by operations, engineering, maintenance and support personnel.

Course Outline
- Introduction
- Review of Process Incidents
- Fundamentals of Petroleum Chemistry
- Introduction to Petrochemical Key Concepts
- Introduction to Olefin Plant Equipment
- Overview of an Olefin Unit
- Ethylene Furnace Technology
- Ethylene 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 of process safety.
- Other professionals who desire a better understanding of the subject matter.

What you can expect to gain
- Gain an understanding of the equipment of an Olefin Unit
- Gain an understanding of the Olefin Unit flow sheets
- Gain an understanding of chemistry and catalyst
- Gain an understating of process unit margins
- Troubleshooting Techniques
- Gain an insight to optimization strategies

Session Two
26th - 28th November 2014

Introduction To Petrochemical Processes

Course Overview
This seminar focuses on the core building blocks of the refining process systems, equipment and economics. This program will emphasize refining process unit operation fundamentals, safe utilization of these fundamentals by operations and maintenance personnel, and equipment troubleshooting techniques

Course Outline
- Introduction
- Review of Process Incidents
- Fundamentals of Petroleum Chemistry
- Characteristics of Crude Oil
- Crude Oil Distillation
- Introduction to Refinery Equipment and Flow Sheet
- Crude Oil Quality and Refinery Flow Sheets
- Product Blending and Usage
- Petroleum Product Markets
- Gasoline Production Processes
- Economics of Gasoline Production Processes
- Fundamentals of Hydroprocessing
- Options for Heavy Oil Processing
- Refining Margins

Who Should Attend
- People who are making day to day decisions regarding operation, design, and economics of process industry 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 matter.

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 understating of refinery margins

Jerry Farmer has over 43 years of experience in the design, construction, commissioning, maintenance and operations management of process units around the world.

Jerry has worked in a wide variety of chemical process technologies, including VCM, PVC, Chlorine-caustic soda, ethylene, polyethylene and styrene monomer.

Jerry has managed large chemical sites for years, both in the U.S. and abroad. He has been very successful in improving over all plant operations, specializing in safety performance improvement, increasing plant reliability and improving plant profitability.

Jerry has a Bachelor of Science Degree in Chemical Engineering from the University of Missouri at Rolla. He is a member of the American Institute of Chemical Engineers.

OUT COURSES

Session One
24th - 26th November 2014

Introduction to Distillation Control, Design, Simulation and Troubleshooting

Course Overview

This course will guide the participates to develop key concepts and techniques to design, operate and troubleshoot a distillation system. These key concepts can be utilized to make design and operating decisions

Course Outline

- General Column Design
- Tray Column Design and Operation
- Packed Column Design and Operation
- Operating Columns in Fouling Service
- Operating Columns in Vacuum Service
- Guidelines for Improved Columns Operation and Maintenance
- Distillation Column Control
- Typical Controlled and Manipulated Process Variables
- Commissioning
- Troubleshooting

Who Should Attend

- An engineer or chemist who must troubleshoot and solve distillation problems in a plant, an engineering office or laboratory.
- Plant Operation Support Engineers checking plant performance under different operating conditions, and who are involved in design of new facilities or revamps of existing facilities.
- Technical engineers, operation engineers, process support personnel, chemist and manager.
- Ideal for veterans and those with only a few years of experience who want to review or broaden their understanding of process safety

What you can expect to gain

- The operation, control and trouble shooting of a distillation columns and it's associated equipment.
- An understanding of essential concepts.
- Valuable practical insight for trouble free design and field proven techniques for commissioning, start up and shutdown of distillation operation.
- The fundamental knowledge of distillation control.
- To tailor your approach to specific design, analysis and trouble shooting problems.

Session Two
26th - 28th November 2014

Advanced Distillation Control, Design, Simulation and Troubleshooting

Course Overview

This course will guide the participates to develop key concepts and techniques to design, operate and troubleshoot a distillation system. These key concepts can be utilized to make design and operating decisions.

Course Outline

- General Column Design
- Vapour Liquid Equilibrium
- Stages and Transfer Units Efficiencies
- Stage Efficiency
- Tray Column Design
- Packed Column Design
- Designing Columns for Fouling Service
- Designing Columns for Vacuum Service
- Designing Columns for Improved Operation and Maintenance
- Distillation Column Control
- Typical Controlled and Manipulated Process Variables
- Controller Performance Criteria
- Feed Forward Control of An Ideal Process
- Troubleshooting
- Commissioning

Who Should Attend

- An engineer or chemist who must troubleshoot and solve distillation problems in a plant, an engineering office or laboratory.
- Technical engineers, operation engineers, process support personnel, chemist and manager.
- Ideal for veterans and those with only a few years of experience who want to review or broaden their understanding of process safety.

What you can expect to gain

- The operation, control and trouble shooting of a distillation columns and it's associated equipment.
- An understanding of essential concepts.
- Valuable practical insight for trouble free design and field proven techniques for commissioning, start up and shutdown of distillation operation.
- The fundamental knowledge of distillation control.
- To tailor your approach to specific design, analysis and trouble shooting problems.

Timothy M Zygula has over ten years of progressive experience in the design, construction, commissioning, and operation of process units from the US Gulf Coast. He has a strong background in the manufacturing of a wide variety of chemical process technologies and product categories including; ethylene, propylene, styrene monomer, vinyl chloride monomer.

His experience includes 5 years as a process engineer with Glitsch, Inc., responsible for field troubleshooting fractionating equipment, process design and fractionating equipment design for a variety of petrochemical applications. He was also a research and development engineer where he was responsible for fractionating equipment testing and development. Mr. Zygula presently has 3 years of Ethylene operation/design experience and four years of Styrene production/design experience in both Louisiana and Texas.

Tim has a Master of Science in Chemical from McNeese State University and a Bachelor of Science in Chemical Engineering from The University Of South. Tim is also a member of the American Institute of Chemical Engineers.

OUT COURSES

Session One
24th - 26th November 2014

Managing in the New Millennium

Course Overview
The With rapid change in industry due to globalisation and demographic driving forces, more managers and leaders are needed to ensure the competitiveness and relevance of each enterprise. This course focuses on developing management and leadership skills for engineers.

Course Outline
- Defining the current management and leadership scenarios
- The Basic Managements Skills
- Communication Skills
- Managing Millennial Employees
- Goal Setting Methods
- Problem Solving and Creative Thinking
- The Human Element

Who Should Attend
- Senior Managers looking for new perspectives on management and leadership
- New Engineering Graduates seeking management concepts to prepare for management roles
- New Engineering Managers

What you can expect to gain
- To be exposed to the new issues in management and leadership
- To have an awareness of the different elements of management and leadership in an engineering context
- To have a knowledge base and skill set that can be applied in improving management and leadership skills effectively

Session Two
26th - 28th November 2014

Chemical Engineering for Non Chemical Engineers

Course Overview
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 Reaction Engineering
- 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 or chemical processing program.

What you can expect to gain
- An overview of chemical engineering operations, safety, processes and economics.
- Become familiar with the equipment of a chemical engineer.
- Become familiar with the unit operations of chemical engineering.
- Become familiar with plant economics.

Dr. Sivakumar Kumaresan is a Senior Lecturer at Universiti Malaysia Sabah where he started the chemical engineering programme at Universiti Malaysia Sabah in 1998. He has also served as the Deputy Head for Research and Development at the Material and Mineral Research Unit where he oversaw 10 research groups and facilitated their research related activities.

He obtained his B.S from Texas A&MUniveristy in Chemical Engineering in 1995 and his MSc in Advanced Control from the University of Manchester Institute of Science and Technology (UMIST) in 1998. He received his PhD in Phytochemical Processing from UniversitiTeknologi Malaysia in 2008 where he worked under Professor Dr.MuhamadRoji at the Chemical Engineering Pilot Plant on the standardisation of Tongkat Ali herb extracts.

His area of research is in process modelling and control and herbal processing. He has published 18 international refereed journal articles, 42 proceeding articles and 4 chapters in a book and also has one patent application filed. He is delighted to have graduated 2 MSc students and 2 PhD students to date.

OUT COURSES

Session One
24th - 26th November 2014

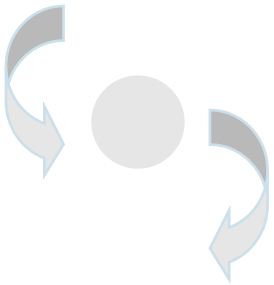
Distillation Operation, Control and Troubleshooting for Petrochemical and Refinery Operators

Course Overview

Product recoveries, purities and energy utilization can be improved in most distillation systems. These principles need to be understood in advance of operating and trouble shooting a distillation column for the operator or problem solving to be effective.

Course Outline

- Introduction
- Distillation Equipment
- Tray Column Equipment
- Packed Column Equipment
- Process Control
- Distillation Column Control
- Typical controlled and manipulated process variables
- Commissioning
- Troubleshooting



Who Should Attend

- People who are making day to day decisions regarding operation, maintenance, and economics of process industry plants.
- This course has been designed for operations personnel who may or may not have a technical degree. The course will review the fundamentals of design, but will focus more on the practical application of these fundamentals. Key distillation inspection, troubleshooting and commissioning guidelines will be reviewed.
- Ideal for veterans and those with only a few years of experience who want to review or broaden their understanding of distillation. This course would be a very practical overview for fresh graduate engineers.

What you can expect to gain

- The operation, control and trouble shooting of a distillation columns and it's associated equipment,
- An overview of distillation, practical solutions as well as theory
- An understating of essential distillation concepts,
- Valuable practical insights for trouble free design and field proven techniques for commissioning, start up and shutdown of distillation operation.
- The fundamental knowledge of distillation control.
- To tailor your approach to specific design, analysis and trouble shooting problems.

Session Two
26th - 28th November 2014

Guide Lines for Safe Commissioning of Petrochemical and Refinery Process Units

Course Overview

This seminar focuses on the core building blocks of the process unit equipment. This program will emphasize process unit equipment fundamentals, safe utilization of these fundamentals by operations and maintenance personnel, and equipment troubleshooting techniques.

Course Outline

- Introduction
- Review of Process Incidents
- Basics Process Equipment Review
- Review of Hazard Analysis Techniques
- Building Commissioning Guidelines
- Building Commissioning Plan
- Safe Equipment Isolation Guidelines
- Safe Equipment Isolation Labels Guidelines
- Safe Equipment Isolation Industry Standards
- Troubleshooting Guidelines
- Project Management Overview
- Conclusions

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

What you can expect to gain

- The Process Unit Equipment Fundamentals – how each system functions from a hands on viewpoint
- Safe commissioning and utilization of process equipment
- Safe de-commissioning of process equipment
- Hazard Analysis Techniques
- Safe Isolation Guidelines
- Project Management Guidelines

Yahya Yon has over twenty-eight years of progressive experience in the commissioning, operations and safety management of process units from upstream activities to downstream activities of oil & gas, steel manufacturing industries. Has the ability to take positive ideas through safety design, construction, operation training, commissioning to operations.

His experience includes seven years (7) of Steel Manufacturing, sixteen years (16) of Olefins Manufacturing, and eight years (8) of LNG Manufacturing. He has been progressively promoted from Production Specialist, to Production Foreman and Safety Superintendant.

Yahya has Bachelor of Science in Mechanical Engineering from Oxford Polytechnic and is registered Malaysia Safety Officer.

OUT COURSES

Session One
24th - 26th November 2014

Reliability Centered Maintenance and Reliability Centered Inspection

Course Overview
The course is designed as an 'Introduction to Reliability Centered Maintenance (RCM) course and to provide an overview of maintenance options available for organizations, who are subjected to frequent breakdowns and high maintenance cost and to optimize the existing maintenance strategies.

Course Outline
- What is RCM?
- Application of RCM Module
- Identification of failure modes
- Failure data & the 6 failure patterns
- Assessing cost of failure
- Preventative maintenance
- Predictive maintenance
- Choosing the optimal task Packaging tasks

Who Should Attend
- Engineering Maintenance team members
- Operation team members
- Reliability engineers
- Project engineers
- Maintenance analysts and Plant Technologist
- Design engineers
- Plant Performance engineers

What you can expect to gain
- History and purpose of RCM and its application in today's industry.
- Risk and reliability concepts.
- Practices and methodologies for maintenance and reliability.
- How to interact with actual failure data and model the failure mode using basic curve fit methods
- How to prepare a maintenance strategy and select whether preventative or predictive maintenance is most effective to mitigate failure risks

Session Two
26th - 28th November 2014

Process and Supply Economics

Course Overview
Significant revenue and expenses would be lost by a refinery or petrochemical plant if the feedstock procurement, process operation modes and product selection options are not modelled correctly and well understood throughout the organisation.

Course Outline
- Fundamental of process and supply economic
- Yield and expense statement
- Bulk and marginal economic
- Economic Critical Product Quality
- Crude and feedstock economic evaluation
- Fuel oil and fuel gas evaluation
- How LP fit in?
- Investment Evaluation
- Ranking of projects
- Role of Refinery or Petrochemical Plant Economist

Who Should Attend
- Refinery and Petrochemical Plant Economists
- Process Technologists
- Supply Operation Managers
- Plant Managers
- Process Plant Financial Officers
- Business Development Officers
- Petroleum Business Sales and Marketing Personnel

What you can expect to gain
- How to model economically the process units and integrated plants
- Decision making on economic options for process plants
- Where to seek for improvement in gross margin management
- Clear understanding of economic driving forces for their refinery and chemical processing business
- Economic overview of refining and chemical processing business

Malik Tahir has over twenty five years in Petrochemical, Manufacturing and Refining Industries in South East Asia. He has worked at Shell, a Major Corporations , Mid-Sized and Consulting Companies. He was progressively promote in Shell from an entry level position to a site operations manager.

His strengths include management at a senior level, building complex functional teams, complex negotiations, Senior Project Management, Senior Rick Management, and Process Plant Economics. He has significant capabilities and experience in process plant management, process plant economics, refinery crude and products quality, refinery supply and trading, short term and long term economic evaluation, health, safety and environment compliance and management, technical integrity and process safety matters, major project management and improvement and transformation of business units.

He has a Bachelor of Science in Chemical Technology Degree from UKM in Malaysia and is currently the Principal for Energy and Strategy Consulting Sdn Bhd Company.

REGISTRATION

Who should attend

- Plant Managers, Engineers, Chemists, Process Support Personnel and Non Technical Professionals.
- People who are making day to day decisions regarding operation, design, maintenance, and economics of process industry plants.
- Ideal for veterans and those with only a few years of experience who want to review or broaden their understanding of process unit.
- Other professionals who desire a better understanding of the subject matter.

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 .....

4th Annual Excellence In Hydrocarbon Processing Conference

Method Of Payment

Please kindly complete and return the reply form together with:

Local Participants

•By Bank draft which are made payable to
Summit Technology Management

International Participants

•By Direct Transfer/Bank Draft:
Public Bank Details: **Public Bank Berhad**
Level 1, Public Bank Tower,
No 19, Jalan Wong Ah Fook,
80000 Johor Bahru, Johor
•Account No : **3153933702**
•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.

Course Fees	Per 2.5 Day Course	
Participates from Malaysia	RM	3,000
Participates from Thailand	THB	35,000
Participates from Indonesia	IR	10,000,000
Participates from Singapore	SGD	1,500
Participates from Philippines	PP	40,000
Other International Participates	EURO	1,400

** The course fees are as follows which includes refreshments and lunch, but does not include transportation or accommodation.*

Workshop Course Fees	Per 5 Day Course	
Participates from Malaysia	RM	6,000
Participates from Thailand	THB	70,000
Participates from Indonesia	IR	20,000,000
Participates from Singapore	SGD	3,000
Other International Participates	EURO	2,800

** The course fees are as follows which includes refreshments and lunch, but does not include transportation or accommodation*

** Ask about out multiple course and participants discounts.*

**Course participates will receive a complementary copy of our Engineering Design Guidelines - Part 1 - Piping Fluid Flow and Line Sizing - Worth USD $395.00*

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