Effective Plant Turnaround Management
Optimising your Plant Turnaround Management Strategy to Exceed Safety, Quality, Time and Cost Targets

9 – 11 November 2009, Kuala Lumpur, Malaysia

YOUR EXPERT TRAINER:
TOM LENAHAN, United Kingdom
Tom has over 25 years of Turnaround Management experience. He has assisted major process plant operators develop Centres of Excellence for Turnarounds around the world. To date carried out 50+ Turnaround audits and supervised 200+ further audits.

A 3 day training course derived from the Turnaround Model of Excellence developed by practitioners that guarantee the reliability of process plants. The course nine modules comprehensively cover all aspects of Turnarounds from the strategic level to hands-on elements such as planning and logistics.

Master the critical skills in managing a world-class plant Turnaround project by acquiring the following:
• Acquire the critical elements of plant turnaround management within the Turnaround Model of Excellence
• Assessment and engagement models to effectively manage your contractors
• Strategies to drive quality and ensure reliability during the turnaround process
• Practical co-ordination strategies to ensure effective logistical planning and to ensure reliability post shutdown
• A safe system of work that aligns appropriately with the risk profile of turnarounds
• Effective measures to benchmark progress, performance and overall productivity

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www.petroedgeasia.net
About this World-Class Plant Turnaround 3-day Training Course

Turnarounds are complex projects that have a substantial impact on business performance. It is imperative that Turnarounds are effectively planned and executed, especially in continuous The process industries such as Oil, Gas and Chemicals. Turnarounds are more than merely technical events carried out by the maintenance function. They are an integral part of any company’s business strategy.

This highly complex, hazardous and, at times, technically difficult undertaking that affects so many companies and engages so many people at all levels of the company, is one critical activities within a life-cycle of plant. Compared with the wealth of information available on general maintenance subjects, much of what does exist seems to be built around planning and scheduling and tend to ignore the business approach to Turnarounds.

The purpose of the course is to present a Model of Excellence for Turnarounds that has been developed and refined over a 30 year period by many hundreds of people working in different industries around the world. The course will consist of direct teaching of principles, case studies of real situations, free discussion of issues and workshops to give hands on experience of the elements of Turnarounds.

This practically focused master class will teach you the practical skills to:

- Justify and execute a strategic and structured plant turnaround plan
- Create a maintenance contracting model that ensure continuous commitment to project goals and timelines
- Implement key strategies to ensure safety, quality and reliability throughout the shutdown
- Acquire best practice plant management and execution techniques to drive high performance and achieve optimal productivity

P.S. Take advantage of our early bird and attractive group booking discounts. See reverse for details on these offers!
Course registration begins at 8:30am on Day 1. The course will commence at 9am on all days. There will be breaks for mid-morning refreshments, lunch, and mid-afternoon refreshments. The course will end by 5pm on both days.

DAY 1 – 9 NOVEMBER 2009

Introduction and overview
- The Turnaround as a rational process
- The characteristics of a Turnaround
- The role of senior management
- The role of the Turnaround Manager
- Critical relationships

Organisation of the turnaround team
- Designing the Organisation
- Understanding the organisational hierarchy
- Using the competence model
- Applying the skill matrix
- Issues of ad hoc teams

Safety of the turnaround project
- Creating a safe system of work
- Formulating a safety plan
- Permit to work issues
- Monitoring safety.

Workshop No 1 - Strategic issues

DAY 2 – 10 NOVEMBER 2009

Maintaining the Quality criteria through out the turnaround
- Total Quality approach
- Quality assurance
- Quality control

Planning for successful plant turnarounds
- Building a credible worklist
- Planning the Planning
- Crating job methods
- Critical path issues
- Scheduling

Contractor relationships and management in turnarounds
- Upside and downside of contracting
- Creating a framework for letting contracts
- Contractor combinations
- Pre qualification issues

Workshop No 2 – Creating an organisation using contractors

DAY 3 – 11 November 2009

Managing costs in a turnaround project
- A rational cost reporting model
- Creating a control estimate
- Examples of estimating models
- Incentives

Execution of a world-class turnaround project
- The phases of a Turnaround
- Turnaround Manager’s daily routine
- Executing planned and emergent work
- Controlling the event
- Terminating the event

Workshop No 3 – The issues of cost cutting
YOUR EXPERT TRAINER: TOM LENAHAN

Author of the Textbook “Turnaround, Shutdown & Outage Management” (ISBN 10: 0-7506-6787-7) and has presented papers on Turnaround Management and maintenance at international conferences in UK, Hungary, South Africa and India. Contributed technical articles on Shutdown Management to the UK Maintenance Management magazine.

Gained extensive experience and expertise in many aspects of maintenance, project and construction management. Specialist in Turnaround (Shutdown & Outage) Management and similar projects from concept through to on-site completion in the Power Generation, Oil, Gas, and Chemicals. Assisted clients in the resolution of maintenance and Turnaround issues of various types including; contractor strategy, procurement process, project engineering, training, effectiveness, and costing, procedural failures and patterned thinking.

Developed a “Model of Excellence” for benchmarking Shutdown performance. The model is used to assess client’s performance against current best practice and to generate real time recommendations for improvement. To date carried out 50+ Turnaround audits and supervised 200+ further audits. Developed a comprehensive Shutdown Management training course that has been delivered in many countries around the world as well as forming part of an MSc in Maintenance Management at Manchester University in the UK. This course was also taught for five years at the Central Queensland University in Australia and at the Austral University of Buenos Aires in Argentina.

He has worked with following companies for training and consultancy assignments:

Petronas (Malaysia), TOG (Thailand), ABB (Indonesia), ICI Chemicals & Polymers (UK & Australia) Dupont(UK), Phillips Petroleum (UK), Conoco (UK), QGPC (Qatar), BASF (UK), Incitec (Australia) Azot (Russia), Methanol Tomsk (Siberia), ABB New Zealand, B.P. Saltend (UK), Hofincons (India), Marathon Oil (Offshore),ICI (Australia), Huntsman (UK), Marathon Oil (UK), British Gas (UK), Chevron (UK), Kamira (Belgium),Qapco (Qatar), British Gas (Scotland & Tunisia),Pequiven (Venezuela), Monomer (Columbia), De Grusse (Belgium), Chevron (Wales)

WHO SHOULD ATTEND:

This Workshop has been researched and developed for Managers, Superintendents, Supervisors, Engineers, Planners, Team Leaders and Coordinators of:

- Shutdowns/Turnarounds
- Maintenance
- Engineering
- Reliability
- Plant
- Outage
- Asset Management
- Operations/Audit
- Safety

PetroEDGE - lead by professionals with combined multinational training experience of over 15 years. From our work and research with industry leaders in pivotal corporations across Asia, we pride ourselves in developing targeted organisational learning solutions. We go broad and deep to uncover the most urgent organisational skills and strategy challenges faced by organisations today. To learn more about us, click on to www.petroedgeasia.net

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**PAYMENT POLICY:** Payment is due in full at the time of registration. Full payment is mandatory for event attendance. I agree to Asia Edge Pte Ltd. payment terms.

**CANCELLATIONS & SUBSTITUTIONS:** If you must substitute delegates at any time, ASIA EDGE PTE LTD does not provide refunds for cancellations. For cancellations received in writing more than seven (7) days prior to the training course you will receive a 100% credit to be used at another ASIA EDGE PTE LTD training course for up to one year from the date of issuance. For cancellations received between (incl. day 7), no credits will be issued. In the event that ASIA EDGE PTE LTD cancels an event, delegate payments at the date of cancellation will be credited to a future ASIA EDGE PTE LTD event. This credit will be available for up to one year from the date of issuance. In the event that ASIA EDGE PTE LTD postpones an event, delegate payments at the postponement date will be credited towards the rescheduled date. If the delegate is unable to attend the rescheduled event, the delegate will receive a 100% credit representing payments made towards a future ASIA EDGE PTE LTD event. This credit will be available for up to one year from the date of issuance. No refunds will be available for cancellations or postponements.

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**TEAM DISOUTS**

PetroEdge recognizes the value of learning in teams. Group bookings at the same time from the same company receive the following:

- 3 or more at 5% off
- 5 or more at 7% off
- 8 or more at 10%

The group discount does not apply with other offers, including the early bird discount.

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**DELEGATE DETAILS**

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**4 Easy Ways to Register**

Online: [www.asiaedge.net](http://www.asiaedge.net)

Email: fareed@asiaedge.net

Phone: (65) 67482141

Fax: (65) 67478737

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**PROGRAM CHANGE POLICY:** Please note that speakers and topics were confirmed at the time of publishing but, circumstances beyond the control of the organizers may necessitate substitutions, alterations or cancellations of the speakers and/or topics. Such, ASIA EDGE PTE LTD reserves the right to alter or modify the advertised speakers and/or topics if necessary. Any substitutions or alterations will be updated on our web page as soon as possible.

**ASIA EDGE PTE LTD is not responsible for any loss or damage as a result of a substitution, alteration or cancellation or postponement of an event.** ASIA EDGE PTE LTD shall assume no liability whatsoever in the event this training course is cancelled, rescheduled or postponed due to any fortuitous event. For purposes of this clause, a fortuitous event shall include, but not be limited to: war, fire, labor strike, extreme weather or other emergency.

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**PAYMENT METHODS**

- **By Cheque/ Bank Draft:** Make payable to Asia Edge Pte. Ltd.
- **By Direct Transfer:** Please quote AE1 with the remittance advice
- **By Cheque/ Bank Draft:** Make Payable to Asia Edge Pte. Ltd.

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**TELEPHONE:**

- **3- days**
- **Effective Plant – Turnaround**
- **with Tom Lenahan**

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**Early Bird Price**

- Exp 1st April

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**COMPANY REGISTRATION NO:**

- Any Company Registration No: any Company Registration No: any Company Registration No: any Company Registration No:

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**LOCATION:**

- **KL, Malaysia**

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**DATE:**

- **9 – 11 November 2009**

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**FEE:**

- **SG$ 2,693**
- **SG$ 2,939**

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**SAVER:**

- **8 or more at 10%**
- **5 or more at 7% off**
- **3 or more at 5% off**

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**INVOICING:**

- **Yes, I would like to organise this training on-site and save over 40% of total course fees!**
- **For further information about On-site Solutions, please +65 67478737 or email info@asiaedge.net**