ADVANCED TURNAROUND SHUTDOWN & OUTAGE MANAGEMENT

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

Expert Course Faculty

Tom Lenahan

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.

Organised By

powerEDGE®
ADVANCED TURNAROUND, SHUTDOWN & OUTAGE MANAGEMENT

A 3 day training course derived from the Turnaround Model of Excellence developed by practitioners that guarantee the reliability of your operations. The course six modules develop and expand the basic ideas of the Model of excellence and introduce some new concepts to further enhance performance. The aim of the course is to expand the knowledge and give new insights on Turnaround Management to practitioners who already have a basic knowledge of Turnarounds.

Master the critical skills in managing a world-class plant Turnaround project by acquiring the following:

- A reprise of basic plant Turnaround – just like a refresher course
- The ability to fine tune the approach to Turnarounds
- A fundamental understanding of excellent Turnaround Team design
- Strategies for ensuring your company gets value for money from Contractors
- Experience in the latest cutting edge approach to planning and scheduling
- Understanding of the “Centre of Excellence” concept to improve future performance.

About this world-class plant turnaround 3-day training course

Turnarounds are complex projects that have a substantial impact on business performance. It is therefore imperative that the people who plan, prepare and execute Turnaround have an in-depth skill and knowledge necessary to produce a successful outcome and an understanding of how Turnarounds work, why they sometimes don’t and what to do if they start going wrong.

This complex, uncertain and at times unfamiliar undertaking can, and often does, overwhelm the people involved and result in overrun of duration, overspend of budget or, even worse, an unreliable plant. This course concentrates on how to organise the people who will do the job and the level and quality of planning required to give not only the desired outcome but value for money as well.

The purpose of the course is to use the Model of Excellence for Turnarounds and the principles of Challenge Planning to equip attendees with an advanced approach to Turnaround Management. 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:

- Build the best Turnaround team possible from available resources
- Educate senior management in there Turnaround roles and responsibilities
- Use the Model of Excellence to maximise the benefits of planning and preparation
- Develop an improved process based on the most powerful question in planning

Experience has taught that effective action is underpinned by profound knowledge and that this in turn as based on asking powerful questions. Therefore, this course is based on a series of powerful questions that will lead attendees towards profound knowledge of Turnarounds, enhancing their existing skills.
Course Outline

Session 1 – Introduction
- Why do we need Turnarounds?
- What is the basic structure of a Turnaround?
- Why do Turnarounds sometimes go wrong?
- What is the impact of turnarounds on business?

Session 2 – Management Responsibility
- Why is management oversight critical to success?
- What is the function of a Steering Group?
- How should the Steering Group operate?
- What is the function of a Turnaround Manager?

Session 3 – A framework for success
- Why do we need a Model of Excellence?
- What does the Model of Excellence do?
- How can it promote effective Turnarounds?

Brief Case Studies using the Model

Session 4 – A focused approach
- Why do we need for a centre of excellence?
- How does the Centre of Excellence function?
- How do we capture excellence?
- How do we maintain Excellence?

Session 5 – Designing Optimal Turnaround Teams
- What makes a good Preparation Team?
- What makes a good Execution team?
- Can we define Roles and Responsibilities?
- How can we integrate Contractors?

Session 6 – Challenge Planning
- What is the Ferrari phenomenon?
- Can one question create a new planning approach?
- What is the challenge planning process?
- Which is best - Critical Chain or Critical Path?
- A brief case study

What others have said about this course:

“Good Content, clear presentation, experienced faculty” Power Seraya Ltd
“Well organized course and experienced trainer” Power Seraya Ltd
“A good guideline from theory to practice” Power Seraya Ltd
“Useful information and cover all aspect of turnaround” PetronasPenapisan Melaka
“Perfect training to improve my knowledge and career” CNOOC SES Ltd

“Excellent contents and well experienced speaker covered most of the points for turnaround management” Shell Maintenance Engineering

“It is essential to those involved in TA to attend this course” PETRONAS
Your Expert Faculty
Tom Lenahan

Tom Lenahan has been involved as a practitioner in Turnaround Management in the Oil & Gas sector for over 25 years. Since 1996 Tom Lenahan has worked as an independent consultant assisting clients achieve cost effective solutions to difficult issues in maintenance strategy in general and turnaround management. He is also a consultant who has worked with a large number of companies to help them develop Centres of Excellence for Turnarounds. Tom has taught and consulted in the following countries – UK, Ireland, Holland, Belgium, Russia, Tunisia, South Africa, United Arab Emirates, Qatar, Bahrain, Kuwait, India, Thailand, Malaysia, Indonesia, Singapore, Australia, New Zealand, USA, Colombia, Argentina and Venezuela. He has been trained in advanced communication skills and has extensive experience in dealing with ‘soft’ people issues that are as vital to the success of maintenance strategies as the more traditional technical issues.

Tom is the author of the first book to be published on the subject of Turnaround, Shutdown and Outage Management (ISBN 13:978-0-7506-6787-6. Published by Elsevier) August 1999. He is at present engaged on developing a 'stripped down' turnaround methodology for companies with limited resources. Tom is a visiting lecturer at Manchester University in the UK where he teaches Turnaround Management and Maintenance Systems as part of an MSc course.

WHO SHOULD ATTEND?
This 3 day training has been researched and developed for Experienced Managers, Superintendents, Supervisors, Engineers, Planners, Team Leaders and Coordinators of:

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

- 4 Pillars of Transformer Condition
- Advanced Project Finance for Power
- Advanced Technical Report Writing & Presentation Skills
- Advanced Turnaround Shutdown & Outage Management
- Ancillary Services in Competitive Electricity
- Asset Management for the Power Industry
- Best Practice Renewable Energy Capital & Project Management
- Biomass Power Generation
- CFB Combustion for Boiler Operations
- Clean Development Mechanism and Carbon Markets
- Coal Contracts
- Combined Cycle Power Plants Operation
- Combined Heat & Power (CHP) and Co-Generation Plant Operations
- Competency Management System for the Power Industry
- Design & Operations of Circulating Fluidized Bed Boiler
- Developing & Structuring Public-Private Partnership (PPP) for Infrastructure
- Effective Tender Process Management for Power & Utilities
- Electrical Hazop (eHazop) Studies for the Power Industry
- Electricity Demand-Side Management
- Electricity Industry Design
- Electricity Network Planning
- Electricity Retail Contracts
- Electricity Theft
- Electricity Trading Essentials
- Energy Efficiency
- EPC Contract Management for Power & Utilities
- Essentials of Coal Markets and Trading
- Essentials of Power Trading
- Excitation Systems
- Feed-In Tariffs for PV Systems
- Finance for Non-Finance Professionals in Power & Utilities
- Financial Modelling for Project Finance in Power & Utilities
- Fitness-For-Service AP1 579 & High Energy Piping Life Management
- Fundamentals of Geothermal Energy
- Fundamentals of Power Generation
- Gas & LNG Contract Negotiation
- Gas Turbine Generator Selection, Operation & Maintenance
- Gas Turbine Hot Gas Paths, Rotors & Failure Analysis
- Gas Turbine Major Inspection & Overhaul
- GE Gas Turbine Operations Simulation Based
- HRSG Design, Operations & Understanding, Controlling of HRSG Damage Mechanisms
- HV Substation Design & Construction
- IEC for Utilities
- Integration of Distributed Generation
- Introduction to Carbon Capture & Storage
- Introduction to Clean Coal Technology
- Introduction to Power Systems
- Keeping Electrical Switchgear Safe
- Leadership & Team Dynamics for Power & Utilities
- LNG Fundamentals
- LNG Markets & SPOT Trading
- Maintenance Planning & Scheduling
- Making IPP & Renewable Energy Projects Contract
- Frameworks Bankable
- Managing Complex Projects for Power and Utilities Professionals
- Medium Voltage & High Voltage Switchgear
- Metallurgy for Engineers
- Mechanical Engineering for Non-Mechanical Engineers
- Mini Hydro Project Analysis
- MKV Speedtronic Control System
- MK VI Speedtronic Control System
- Nuclear Energy Project Planning & Economics
- Nuclear Power
- Offshore Platforms Electrical Systems Design & Illustrations
- Operations of Coal Fired Power Plants
- Power Generation Commissioning, Operations & Maintenance
- Power Generation Operation, Protection & Excitation Control
- Power Plant Chemistry for Chemist & Chemical Engineers
- Power Purchase Agreements
- Process Control Methods
- Programmatic CDM
- Relay Protection in Power Systems
- Reliability Centered Maintenance Masterclass
- Reliability Engineering
- Renewable Energy Development & Investment
- Renewable Energy Integration
- Risk Based Inspection
- Risk Management in Power Markets
- Root Cause Analysis
- Rotating Equipment Maintenance & Reliability Excellence
- SCADA & Power Systems
- Smart Grid
- Solar Energy & Photovoltaic Power
- Spare Parts Optimisation
- Supercritical and Ultra-Supercritical Coal-Fired Power Plant
- Technical Report Writing & Presentation Skills for Power & Utilities Professionals
- Ultra Low NOx Gas Turbine Combustion
- Uninterruptible Power Supply
- Vibration Analysis & Condition Monitoring
- Waste to Energy Plant Operations
- Water Treatment and Corrosion Control for Steam Generation and Power Production
- Writing Effective Standard Operating Procedures (SOP) for Power & Utilities Professionals & Engineers
Frequently Asked Questions (FAQs)

1. Does PowerEdge have other programmes than those listed?
   We have more than 200 programmes that we are capable of running. All we need is for you to contact us and request for the preferred programme and we will able to develop it.

2. Where is PowerEdge based?
   PowerEDGE is headquartered in Singapore but we run our training programmes in different venues around Asia.

3. What does PowerEdge do?
   We are a Power & Utilities Training Specialist.

4. Can this course be done in our city?
   It absolutely can. Get in touch with us to request for a training programme to be carried out in your city.

5. Can you reduce the price of our preferred course?
   While our price has been reduced before it is even launched, we are always happy to help you with further discounts.

6. Can you change the dates of the course?
   If you have a special requested date, let us know and we will arrange another session for you.

7. Who are the companies that will be participating?
   This varies from a diversity of Power Operators, Regulators, Financiers, to Vendors in the Power & Utilities industry.

8. Where is the venue for the course?
   We usually engage a 4 to 5 star hotel meeting room to ensure the comfort of our participants.

9. How many delegates should we expect for each course?
   This varies from 15 to 20 participants. Class sizes are kept small to allow trainers to focus better on each participant.

10. What are the different payment modes?
    We accept Visa/MasterCard, cheques, bank transfers and cash on site.

11. Is accommodation included when I sign up for a course?
    Accommodation is not included in the course fee but we are always happy to advise on available accommodations.

12. Can I get a cheaper accommodation through PowerEdge?
    We will be pleased to help you negotiate a better rate with hotels.

13. Is lunch provided during the course?
    We provide lunch and 2 tea breaks every day during our training programmes.

14. Are the training materials included once I have signed up for a course?
    Yes, training and course materials are included in the course fee.

15. Will there be a certificate for the course?
    Yes, there will be a certificate of participation upon completion of a course.

16. Who are PowerEdge trainers?
    They are expert consultants and practitioners with many years of experience in the subject matter that they deliver on.

17. Are PowerEdge trainers competent?
    We have received numerous favourable feedbacks on our trainers from past participants.

18. Can PowerEdge assist with Visa travel applications?
    We can assist in advising you on the relevant procedure(s) and embassies/consulates that provide Visa for travel purposes.

19. Can we purchase training materials without attending a course?
    Unfortunately this option is not available as training materials are specially developed for courses.

20. Can course content be tweaked to cater to our needs?
    Of course! Just let us know your request and we will get the trainer to assist in carrying it out.
**CANCELLATIONS & SUBSTITUTIONS**

Payment is due in full at the time of registration. Full payment is mandatory for event attendance. I agree to PowerEdge Pte Ltd's payment terms.

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PAYMENT METHOD

By Cheque/Bank Draft: Make Payable to PowerEdge Pte Ltd.

By Telegraphic Transfer: Please quote AE1 with the remittance advise

Account Name: PowerEdge Pte Ltd.

Bank Address: 65 Chulia Street OCBC Centre, Singapore 049513

All bank charges and payment in Singapore dollars (SGD) to be borne by payer. Please ensure that PowerEdge Pte Ltd receive the full invoiced amount.

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**COMPANY DETAILS**

Organisation name .......................................................................................................................... Industry .................................................................

Address .............................................................................................................................................

Postcode ........................................................................................................................................... Country .................................................................

Tel ..................................................................................................................................................... Fax ........................................................................................................

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**ATTENDEE DETAILS**

Name .......................................................................................................................... Job title .................................................................

Tel ..................................................................................................................................................... Email ........................................................................................................

Name .......................................................................................................................... Job title .................................................................

Tel ..................................................................................................................................................... Email ........................................................................................................

Name .......................................................................................................................... Job title .................................................................

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**REGISTRATION FORM**

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<th>3 Day Programme</th>
<th>NORMAL PRICE</th>
<th>Early Bird SAVE SGD 200</th>
<th>GROUP OF 3 or More</th>
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<td>SGD2,899</td>
<td>SGD2,609</td>
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**PAYMENT METHODS**

- Online Web Registration
- info@poweredgeasia.com
- (65) 6741 9927
- (65) 67478737

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**4 ways to Register**

1. **Online Web Registration**
   - info@poweredgeasia.com
   - (65) 6741 9927

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**You may also be interested in**

- Competency Management Systems
- Introduction to Power Systems
- LNG Fundamentals
- Electricity Retail Contracts

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**On Site Training**

Can’t make it for the Course? We’ll make the course come to you!!

Simply let us know your preferred time and dates and we will meet you at your schedule and venue.

With a host of highly trained experts, we will be happy to customize your programme with your needs 100% fulfilled.

Contact us today at

- info@poweredgeasia.com
- (65) 6741 9927

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**ADVANCED TURNAROUND, SHUTDOWN & OUTAGE MANAGEMENT**

- You may substitute delegates at any time. POWEREDGE 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 POWEREDGE PTE LTD training course for up to one year from the date of issuance. For cancellations received seven (7) days or less prior to an event (including day 7), no credits will be issued. In the event that POWEREDGE PTE LTD cancels an event, delegate payments at the date of cancellation will be credited to a future POWEREDGE PTE LTD event. This credit will be available for up to one year from the date of issuance. In the event that POWEREDGE 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.