

Managing Shutdowns and Turnarounds



Focus on: **The Manager** ☒ **The Specialist** ☒ **Spotlight Programme** ☐ **Hands-on Skills** ☐

Course Overview

Planning and managing shutdowns, turnarounds and outages in the process plant environment is a complex and demanding function. If turnarounds are not properly planned, managed and controlled, companies run the risk of serious budget overruns, costly schedule delays and negative impacts on customers.

This program, includes the core planning technique of Critical Path Planning and the Earned Value method of progress and cost control applied to the shutdown and turnaround environment and addresses, in an integrated manner, the key activities involved in the safe, effective shutdown, turnaround and outage management and introduces participants to the full range of best practices techniques and knowledge.

Course Objectives		This Course is Ideal For:	
1	To enhance the company's turnaround management capabilities, and to ensure a team approach in the planning and execution of plant shutdowns and turnarounds	✓	Turnaround managers and operations coordinators,
2	Provide a comprehensive understanding of effective turnaround management techniques and implementation	✓	Planning/scheduling and cost control staff,
3	Create awareness of strategic planning methods and an integrated organisational approach in the execution of successful turnarounds	✓	Construction superintendents and supervisors.
4	Incorporate latest developments in turnaround planning and management techniques and emerging industry trends	✓	Project engineers and contract administrators
5	Make the turnaround planning and execution process efficient, professionally rewarding and with the minimum stress and conflict	✓	Inspection, Materials, safety and maintenance engineering

Course Content

Day	Theme	Coverage
1	Introduction to Shutdowns, Turnarounds and Outages	<ul style="list-style-type: none"> Overview and Introduction The Shutdown Management Process Leading Shutdowns, Turnaround and Outages Organising the Shutdown Team
2	Shutdown/Turnaround Preparation	<ul style="list-style-type: none"> Preparing for Shutdowns and Turnarounds Process Shutdown and Isolations

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		<ul style="list-style-type: none"> Developing and Managing the Work Scope Job Planning and Estimation
3	Shutdowns/Turnaround Planning Techniques	<ul style="list-style-type: none"> Developing Shutdown and Turnaround Plans The Critical Path Planning Method Critical Path Method Skills Practice Case Study “Short Cut” Planning Methods Scheduling Multiple Projects
4	Costs, Control and Contractors	<ul style="list-style-type: none"> Developing the shutdown budget Progress, Cost control and productivity tracking Earned Value and Earned Hour Methods Contractor Management
5	Safety, Quality and Risk Management	<ul style="list-style-type: none"> Health and Safety and Environmental Management Review of Safety Management best practices Risk Management Quality Management Conclusion

Course Assessment	Certification
Participants will be assessed on: Participation in sessions Completion of exercises & case studies Performance in assessments	Upon successful completion of the course, participants will receive a Certificate of Successful Completion , along with a Transcript of Marks showing the performance by grade in each element of assessment and overall.

Course Instructor
<p>This speaker is a Management Educator and Consultant with extensive experience teaching MBA, Executive Education and Management Development Seminars and as a hands-on practitioner.</p> <p>He has worked all over with world from Australia to the US, the Middle East, the UK, Western Europe and Asia, and always with a focus on achieving Business and Operational Excellence.</p> <p>He is internationally recognised as a specialist in Operations Management and Business Performance Improvement, along with Statistical and Quantitative Methods, Project Management, Quality Management, Managing Innovation and e-Business.</p>