MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

ADVANCED SHUTDOWN, TURNAROUND & START-UP MANAGEMENT

"Maximizing Efficiency, Safety, and Cost Control in Critical Plant Interventions"

Schedule

Date	Venue	Fees (Face-to-Face)
05 – 09 Jul 2026	Doha, Qatar	USD 3495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

Shutdowns, turnarounds, and start-ups (STS) are some of the most complex, risky, and resource-intensive events in plant operations. Effective STS management is essential for ensuring minimal downtime, budget adherence, asset integrity, and safety compliance.

This advanced course equips professionals with the frameworks, planning tools, and real-world strategies to manage full STS lifecycles—from scoping and planning to execution and ramp-up. Participants will engage in simulations, risk-based scheduling, contractor coordination, and post-event analysis to strengthen their STS leadership capabilities.

Objectives

By the end of this course, participants will be able to:

- Develop comprehensive STS plans aligned with business goals and asset integrity
- Apply structured methodologies to manage shutdown scopes, risks, and schedules
- Coordinate cross-functional teams and contractors for smooth execution
- Monitor STS performance using KPIs and control systems
- Conduct post-event reviews to capture lessons learned and improve future STS events

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Why Attend

- Learn to manage high-risk and high-cost shutdowns effectively
- Improve planning accuracy and reduce delays and overruns
- Strengthen stakeholder communication and team accountability
- Minimize operational disruption through smart start-up strategies
- Benchmark your approach using industry case studies and audit criteria

Target Audience

This program is designed for:

- Plant and maintenance managers
- Turnaround and shutdown planners
- Reliability and asset integrity engineers
- HSE and operations coordinators
- Project and contract managers involved in major plant events

Individual Benefits

Key competencies that will be developed include:

- Project planning and scheduling for shutdowns and start-ups
- Scope definition and resource allocation for critical events
- Contractor selection and work package management
- Risk analysis and contingency development
- Post-turnaround performance evaluation and reporting

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved plant uptime and asset performance post-shutdown
- Greater control over turnaround costs and timelines
- Enhanced cross-functional coordination and communication
- Reduced HSE risks and improved compliance during interventions
- Stronger post-event review practices for continuous improvement

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – Lifecycle of shutdowns, turnaround types, and planning phases
- Case Studies – Industrial STS failures and success models from the oil, gas, and chemical sectors
- Workshops – Scope planning, contractor mapping, scheduling simulations
- Peer Exchange – Interactive group discussions on past experiences
- Tools – Gantt charts, risk registers, scope control forms, lessons-learned templates

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Course Outline

Training Hours: 7:30 AM – 3:30 PM Daily Format: 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Overview and Preparation for Shutdown & Turnaround

- Module 1: STS Lifecycle and Strategic Importance (07:30 – 09:30) • Definitions, drivers, and typical challenges Module 2: Shutdown Planning Frameworks (09:45 – 11:15) • Phase-gate models and work stream alignment Module 3: Initial Scoping and Budgeting Techniques (11:30 – 01:00) • Work order screening, asset criticality, cost estimation Module 4: Workshop – Scope Definition Exercise (02:00 – 03:30) • Create a preliminary STS scope and budget baseline

Day 2: Detailed Planning and Contractor Strategy

- Module 5: Work Breakdown Structure and Task Sequencing (07:30 – 09:30) • Job planning, timelines, critical path scheduling Module 6: Contractor Management and Procurement Planning (09:45 – 11:15) • Prequalification, contract packages, logistics Module 7: Integrated Scheduling with Multiple Work Fronts (11:30 – 01:00) • Primavera, MS Project, and float analysis Module 8: Workshop – Build a Shutdown Schedule (02:00 – 03:30) • Simulate task sequencing with resource constraints

Day 3: Risk, Safety, and Execution Control

- Module 9: Turnaround Risk Management (07:30 – 09:30) • Risk registers, contingency plans, hazard mapping Module 10: HSE Controls and Permit-to-Work Systems (09:45 – 11:15) • Confined space, hot work, simultaneous operations (SIMOPS) Module 11: Execution Phase Controls and Daily Coordination (11:30 – 01:00) • Toolbox talks, shift handovers, progress reviews Module 12: Workshop – Develop an Execution Safety Plan (02:00 – 03:30) • Addressing risks in high-intervention zones

Day 4: Start-Up Readiness and Communication

- Module 13: System Commissioning and Operational Handover (07:30 – 09:30) • Test plans, punch lists, and documentation reviews Module 14: Start-Up Risk Controls and Phasing (09:45 – 11:15) • Safe energizing, sequential restart strategies Module 15: Stakeholder Communication and Alignment (11:30 – 01:00) • Governance, dashboards, and reporting tools Module 16: Workshop – Plan a Start-Up Transition Strategy (02:00 – 03:30) • Develop team roles and response plans

Day 5: Post-Event Analysis and Continuous Improvement

- Module 17: Performance Measurement and Lessons Learned (07:30 – 09:30) • KPIs, audit reports, and success criteria Module 18: Post-Shutdown Review and Documentation (09:45 – 11:15) • Deviation logs, contractor evaluations, best practices Module 19: Continuous Improvement in STS Programs (11:30 – 01:00) • Data use, maturity models, next-event planning Module 20: Final Workshop – Present a Turnaround Report (02:00 – 03:30) • Group-based report with performance insights

Certification

Participants will receive a Certificate of Completion in Advanced Shutdown, Turnaround & Start-Up Management, validating their ability to plan, manage, and evaluate high-impact plant interventions using industry best practices and structured tools.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: **+601116373203**	EMAIL: **info@mawaevents.net**

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