



TRAIN DEVELOP
EMPOWER

TRAIN • DEVELOP • EMPOWER

IN-HOUSE CORPORATE TRAINING

SHUTDOWN, TURNAROUND & OUTAGE MANAGEMENT

Improve shutdown, turnaround, and outage management capabilities through structured planning, effective risk management, strong stakeholder coordination, and disciplined execution practices.



COURSE CODE

MNT-005



DURATION
3-5 Days



DELIVERY
On-site / Virtual



PARTICIPANTS
10-25 per session



CERTIFICATE
Certificate of Completion



CUSTOMIZABLE
Yes - Tailored to Your Needs

[REQUEST PROPOSAL →](#)

WHY THIS PROGRAMME?



PLAN STO EVENTS

Build structured scopes, schedules and execution plans.



CONTROL STO RISK

Manage safety, cost, contractor and schedule risks.



COORDINATE EXECUTION

Align maintenance, operations and stakeholders.



IMPROVE PERFORMANCE

Reduce downtime and improve turnaround outcomes.

IN-HOUSE DELIVERY OPTIONS

- ✓ Onsite at client premises
- ✓ Live virtual instructor-led format
- ✓ Hybrid delivery format
- ✓ Customized duration based on organizational requirements

INDUSTRIES WE SERVE

- ✓ Oil & Gas
- ✓ Petrochemicals
- ✓ Manufacturing
- ✓ Mining & Metals
- ✓ Utilities
- ✓ Logistics & Transportation
- ✓ Infrastructure
- ✓ Government & Public Sector

WHY CHOOSE TRAIN DEVELOP EMPOWER?



20+
YEARS
EXPERIENCE



35+
COURSES IN
7 CATEGORIES



100%
CUSTOMIZED
SOLUTIONS



ON-SITE OR
VIRTUAL
DELIVERY



INDUSTRY
EXPERT
FACILITATORS

COURSE OVERVIEW

Planned shutdowns, turnarounds, and outages are essential for maintaining asset integrity, operational reliability, and long-term performance. Poor planning, inadequate coordination, resource constraints, and execution failures create delays, overruns, safety incidents, and production losses.

This program develops structured STO planning, scope control, risk management, stakeholder coordination, disciplined execution, performance control, and post-event review capability.

Business Challenges Addressed

- > Schedule delays and project overruns
- > Excessive shutdown costs
- > Poor work scope definition
- > Resource shortages and scheduling conflicts
- > Contractor management challenges
- > Safety and operational risks
- > Inadequate stakeholder coordination
- > Production losses due to extended downtime
- > Weak risk management processes
- > Limited post-shutdown performance reviews

Key Learning Outcomes

- > Understand STO principles and outage management
- > Develop structured STO planning processes
- > Define and control work scopes effectively
- > Improve scheduling and resource planning
- > Manage contractors and stakeholders efficiently
- > Apply risk management techniques throughout STO projects
- > Improve shutdown execution performance
- > Control budgets and project costs
- > Enhance safety and compliance
- > Implement continuous improvement practices

WHO SHOULD ATTEND

Maintenance Managers

Maintenance Engineers

Turnaround Managers

Shutdown Coordinators

Project Managers

Reliability Engineers

Operations Managers

Production Supervisors

Asset Managers

STO Technical Personnel

TRAINING METHODOLOGY

Interactive learning approaches support practical application and can be customized to the organization's environment, industry, and participant experience.

ID

Instructor-Led Discussions

ICS

Industry Case Studies

PPE

Practical Planning
Exercises

GW

Group Workshops

SSA

STO Scheduling Activities

RAE

Risk Assessment Exercises

SS

Scenario-Based
Simulations

ITE

Interactive Team
Engagement

COURSE MODULES

01 Foundations of Shutdown, Turnaround & Outage Management

- Introduction to STO management
- Types of shutdowns and turnarounds
- STO lifecycle overview
- Roles and responsibilities
- Business drivers and objectives
- Industry best practices

02 Scope Development & Planning Excellence

- Defining shutdown work scopes
- Scope challenge and optimization
- Work package development
- Resource planning fundamentals
- Budget development techniques
- Risk identification and assessment

03 Scheduling, Coordination & Resource Management

- STO scheduling methodologies
- Critical path planning
- Resource allocation and optimization
- Contractor management strategies
- Stakeholder communication planning
- Managing schedule risks

04 Shutdown Execution & Performance Control

- Executing shutdown activities safely and efficiently
- Progress monitoring and reporting
- Managing scope changes
- Cost control techniques
- Risk mitigation during execution
- Managing unexpected events and disruptions

05 Post-Turnaround Review & Continuous Improvement

- Startup and return-to-service planning
- Lessons learned processes
- Performance review methodologies
- Benchmarking STO performance
- Identifying improvement opportunities
- Continuous improvement strategies



TAILORED TO YOUR NEEDS

Modules can be customized to align with your industry, operational environment, and participant experience.

[DISCUSS CUSTOMIZATION](#)



SCAN TO VIEW COURSE PAGE



READY TO IMPROVE SHUTDOWN & TURNAROUND PERFORMANCE?

Partner with Train Develop Empower to build a resilient, agile and future-ready supply chain. Let's create lasting impact together.

[REQUEST PROPOSAL](#) →



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