

Turnaround Management & Control Course

Proper preparation will make the difference between a successful turnaround and a failure. Cost Engineering Academy's Turnaround Management & Control Course aims to combine both expert knowledge and experience in one interactive package to help you and your organisation improve your skills and techniques to better manage and control shutdowns, turnarounds, and outages.

Program

The course program is split between understanding and managing turnaround phases, and the means to control them:

Turnaround phases:

- Phase 1: Turnaround initiation
 - Long range planning
 - Defining strategy and objectives
 - Set up turnaround organization
- Phase 2: Scoping
 - Collecting turnaround scope
 - Risk-based work selection
 - Scope management process
- Phase 3: Planning
 - Breakdown scope into work packs
 - Optimize hands on tool time
 - Estimating cost and hours
 - Tendering process & contracting strategies
- Phase 4: Scheduling
 - Prepare execution schedule
 - Gantt charts & CPM techniques
 - Integrating contractor schedules
 - Facility management
- Phase 5: Execution
 - Decommissioning & shutdown
 - Tracking and monitoring execution
 - Safety and quality management
 - Scope and progress management
 - Digital strategies for real-time monitoring
 - Commissioning & startup
- Phase 6: Close out
 - Capture lessons learned
 - Analyzing turnaround effectiveness
 - Benchmarking & data capturing

Turnaround project controls:

- Turnaround economics: Economic impact of turnarounds
- Estimating & budgeting
 - Estimating types through the turnaround lifecycle
 - Allowances and contingency
 - Common issues in budgeting
- Contract management & tendering
 - Contracting strategies
 - Contractor evaluation and selection
- Scheduling
 - Long range planning & milestones
 - Gantt charts & CPM methods
 - Resource management
- Cost control
 - Setting up a baseline for control
 - Earned value management & forecasting
- Progress management
 - Progress measurement techniques
 - Monitoring the preparation and execution phases
- Change management
 - Scope change management
 - Field change management
- Benchmarking
 - Data analytics
 - Typical benchmarks for turnarounds
- System integration
 - Setting up an integrated turnaround management process
 - Transition to digital solutions

During the course, various interactive case studies will be given that need to be solved in groups. The duration of this course is 3 days.

More information at: www.costengineeringacademy.eu/course-product/turnaround-management-control