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COURSE BROCHURE

Advanced Shutdown and Turnaround Contractor and Cost Control Training Course

jupiterprime.uk

info@jupiterprime.uk

Registered in the United Kingdom and Saudi Arabia

Advanced Shutdown and Turnaround Contractor and Cost Control Training Course

Shutdown and Turnaround Contractor and Cost Control is a 2-week advanced training course for turnaround managers, maintenance planners and plant engineers who must hold contractor scope, manpower and spend within an approved event budget, and who leave with a turnaround contractor and cost control plan. Planned outages now carry heavy contractor peaks and short restart windows, so commercial discipline decides margins. The course is delivered by Jupiter Prime Training.

Why Shutdown and Turnaround Contractor and Cost Control Matters Now

Three forces shape turnaround commercial work. Specialist contractors are scarcer and more expensive during peak outage seasons, owners expect a frozen scope backed by a defensible estimate, and finance teams track every extra work order against the sanctioned budget. A plant that controls its contractors restarts on time with predictable spend; a plant that does not faces growth in scope, idle crews and disputed claims. The course rests on ISO 55001 for asset management systems, EN 13306 for maintenance terminology, and the SMRP Best Practices Metrics and Guidelines for measuring work execution.

Who Gains Most from Shutdown and Turnaround Contractor and Cost Control

- Leaders accountable for the event budget, the contracting strategy and the restart milestone
- Planners who build work packs, estimate man-hours and load the critical path
- Engineers who define scope for static equipment, rotating machinery and instrumentation
- Contract holders who mobilise vendors, verify timesheets and settle variations
- Cost controllers who forecast spend, report earned value and close the event account

A site turnaround core group gains most when its event leader, lead planner and cost controller attend together and agree one approach to contractor performance.

Shutdown and Turnaround Contractor and Cost Control Capabilities

Participants move from a sanctioned scope to a contractor plan whose hours, rates and progress can be checked every shift.

- Assess each work-list item for necessity, risk and cost before scope freeze — event sponsor
- Design a contracting strategy that matches lump-sum, unit-rate and reimbursable packages to risk — procurement lead
- Calculate a bottom-up estimate with contingency and escalation logic — finance controller
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Build a mobilisation and manpower histogram tied to the critical path — site execution team
- Apply earned value and productivity indices to daily progress meetings — turnaround manager
- Communicate variations, claims and close-out lessons to plant leadership — operations director

Key Shutdown and Turnaround Contractor and Cost Control Terms

- Scope freeze — the agreed date after which new work-list items need formal approval, a cost estimate and schedule impact before acceptance.
- Work-list challenge — a structured review that tests each requested job against risk, condition evidence and the option to defer it.
- Manpower histogram — a chart of planned contractor headcount by craft and shift, used to plan accommodation, supervision and permits.
- Earned value — the budgeted cost of work actually completed, compared with planned value and actual cost to show progress and efficiency.
- Variation order — a written instruction that changes contractor scope, rate or duration and records the agreed cost and schedule effect.
- Discovery work — repairs found only after equipment is opened, funded from contingency under pre-agreed rules.

Shutdown and Turnaround Contractor and Cost Control Day by Day

Day 1: Commercial Forces Behind Planned Outages

- Turnaround Life Cycle Phases — Where Commercial Decisions Carry Most Weight
- Contractor Market Capacity Mapping — Timing Bids Against Peak Outage Seasons
- Event Business Case — Linking Outage Spend to Production Recovery
- ISO 55001 Asset Plans — Aligning Event Scope With Asset Objectives
- Stakeholder Map for Outages — Owners, Contractors, Finance and Operations Roles

Day 2: Scope Definition and Work-List Challenge

- Work Request Intake Rules — Filtering Jobs That Need Shutdown Conditions
- Risk-Based Challenge Panels — Accepting, Deferring or Rejecting Requested Jobs
- Condition Evidence Packs — Justifying Inspection and Repair Items
- Scope Freeze Gate — Locking the Work-List Before Detailed Estimating
- Late Scope Approval Workflow — Pricing Additions Before They Reach Site

Day 3: Estimating and Budget Structure

- Bottom-Up Man-Hour Estimating — Building Credible Craft Hours Per Job
- Cost Breakdown Structure — Separating Labour, Materials, Equipment and Services
- Contingency and Discovery Allowance — Setting Funds for Unknown Repairs
- Estimate Classes and Accuracy Ranges — Communicating Confidence to Sponsors
- Budget Sanction Pack — Presenting the Event Budget for Approval

Day 4: Contracting Strategy and Package Design

- Lump-Sum, Unit-Rate and Reimbursable Models — Allocating Commercial Risk
- Work Package Bundling — Grouping Jobs by Craft and Equipment Type
- Bid Evaluation Matrices — Weighing Price, Safety Record and Capacity
- Rate Schedules and Allowances — Preventing Disputes Over Standby Time
- Long-Lead Material Ownership — Deciding Owner or Contractor Supply

Day 5: Critical Path and Resource Loading

- Critical Path Method Networks — Identifying Jobs That Set Restart Date
- Resource-Loaded Schedules — Matching Craft Hours to Available Shifts
- Manpower Histograms — Planning Camp, Supervision and Permit Office Load
- Crane and Scaffold Plans — Sequencing Shared Heavy Resources
- Schedule Risk Simulation — Testing Restart Confidence Before Sanction

Day 6: Contractor Mobilisation and Readiness

- Readiness Review Gates — Confirming Plans, Materials and People Before Breakout
- Contractor Onboarding and Competence Checks — Releasing Crews to Site Safely
- Permit-to-Work Office Capacity — Avoiding Idle Crews at Shift Start
- Site Logistics Layout — Laydown, Access and Welfare for Peak Headcount
- Pre-Shutdown Work Execution — Shortening the Critical Path Before Breakout

Day 7: Daily Cost and Progress Control

- Earned Value Reporting — Comparing Planned, Earned and Actual Cost
- Timesheet and Gate Data Reconciliation — Verifying Contractor Hours Billed
- Productivity Indices by Craft — Spotting Underperforming Packages Early
- SMRP Work Execution Metrics — Benchmarking Schedule Compliance and Wrench Time
- Daily Cost Forecast Meeting — Deciding Recovery Actions Each Shift

Day 8: Variations, Discovery Work and Claims

- Variation Order Procedure — Pricing and Approving Changes in Hours
- Discovery Work Triage — Funding Emergent Repairs From Contingency
- Claims Prevention Records — Daily Logs, Photographs and Signed Instructions
- Dispute Escalation Ladder — Resolving Commercial Disagreements Without Delay
- Contingency Drawdown Tracking — Reporting Remaining Funds to Sponsors

Day 9: Demobilisation, Close-Out and Learning

- Handback and Mechanical Completion Checks — Releasing Contractors in Sequence
- Final Account Settlement — Closing Contractor Invoices Against Measured Work
- Contractor Performance Scorecards — Informing Future Bid Lists
- Post-Event Learning Review — Capturing Cost and Schedule Lessons
- EN 13306 Terminology in Close-Out Reports — Keeping Records Consistent

Day 10: Practising the Turnaround Contractor and Cost Control Plan

- Challenged Work-List Case — Applying Scope Freeze to a Refinery Event
- Contract Package Exercise — Applying Strategy Choices to a Power Plant Outage
- Earned Value Simulation — Applying Daily Control to Discovery Scenarios
- Peer Critique of Budget Packs — Testing Estimates Against Contingency Rules
- Turnaround Contractor and Cost Control Plan — Completing the Site Version

Applying Shutdown and Turnaround Contractor and Cost Control After the Course

- Lead a work-list challenge panel for the next planned event and record every deferral with its risk reasoning.
- Set up a daily earned value and timesheet reconciliation report for one contractor package and review it with the cost controller.

Shutdown and Turnaround Contractor and Cost Control Questions FAQ

What is shutdown and turnaround contractor and cost control, and why does it matter now?

It is the discipline of fixing outage scope, contracting it and tracking every contractor hour against a sanctioned budget. It matters now because contractor capacity is tight in peak seasons and owners expect predictable spend and on-time restart.

Which roles gain most from shutdown and turnaround contractor and cost control?

Turnaround managers, maintenance planners, scope engineers, contract holders and cost controllers gain most. Each handles a link between the work-list, the contractor and the budget, so shared methods reduce gaps and disputes during the event.

How does shutdown and turnaround contractor and cost control differ from general turnaround management?

It focuses on the commercial side of the event rather than overall leadership and safety. General turnaround courses cover the whole event life cycle, while this one goes deeper into estimating, contracting models, earned value, variations and final account settlement.

What do you bring back from shutdown and turnaround contractor and cost control?

You bring back a contractor and cost plan for your own next event. It holds a challenged work-list, a contracting strategy, a resource-loaded schedule, daily control reports and close-out rules that your team can adopt immediately.

Shutdown and Turnaround Contractor and Cost Control: The Way Forward

The turnaround contractor and cost control plan first informs the scope freeze decision and the choice of contracting model for each package. Event leaders, planners and cost controllers use it from budget sanction to final account. After its first use, the contingency rules and productivity indices are worth revisiting, since actual discovery work and craft performance will show where estimates need recalibration.