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COURSE BROCHURE

Turnaround Execution, Isolation and Start-Up Training Course

jupiterprime.uk

info@jupiterprime.uk

Registered in the United Kingdom and Saudi Arabia

Turnaround Execution, Isolation and Start-Up Training Course

Turnaround Execution, Isolation and Start-Up is a 1-week training course for turnaround managers, planners and operations leads who run the execution window of a plant outage, from the first isolation to the restart, and ends with a turnaround execution and restart readiness pack. Shorter outage windows and crowded contractor workforces leave little margin for missed isolations or late handovers. Jupiter Prime Training runs this course.

Why Turnaround Execution, Isolation and Start-Up Matters Now

Operators want outage windows shortened, contractors bring larger and more transient crews to site, and insurers and safety teams watch energy isolation closely. A turnaround that loses control of its daily field progress overruns, while one that releases plant with open isolations or incomplete punch items risks fires, leaks and a failed start-up. Execution discipline protects people, the restart date and the reputation of the operations team. The course draws on ISO 55001 for asset management systems and EN 13306 for maintenance terminology, and applies them to the short, dense window when a plant is opened and closed again.

Who Gains Most from Turnaround Execution, Isolation and Start-Up

- Turnaround leads who run the daily execution rhythm and progress meetings
- Planners who keep the critical path and work packs current during the outage
- Operations leads who prepare, isolate and hand over plant to maintenance crews
- Contractor coordinators who control crews, permits and productivity in the field
- Start-up leads who verify mechanical completion and sign off restart readiness

An operating unit gains most when its operations, maintenance and contractor coordination leads attend as one group.

Turnaround Execution, Isolation and Start-Up Capabilities

Participants control the outage from the hour plant is taken down until it returns to stable production.

- Apply a frozen scope and change gate to late work requests — turnaround steering group
- Build a daily critical path update from field progress — restart date decisions
- Design isolation registers and blind lists that match each work pack — operations and safety leads
- Test contractor productivity against planned earned hours — contractor coordinators
- Specify mechanical completion and punch list criteria — start-up leads
- Communicate restart readiness through a staged handover — plant management

Key Turnaround Execution, Isolation and Start-Up Terms

- Scope freeze — the point after which new turnaround work enters only through a formal challenge and approval gate.
- Isolation register — a controlled list of every valve, blind and electrical point locked out for a work pack.
- Critical path — the longest chain of linked activities that sets the earliest possible restart date.
- Mechanical completion — the stage when equipment is reassembled, tested and ready for pre-commissioning checks.
- Punch list — a record of outstanding defects sorted by whether they must close before restart.
- Restart readiness review — a structured check that people, plant and paperwork are ready to introduce process fluids.

Turnaround Execution, Isolation and Start-Up Day by Day

Day 1: Execution Window and Scope Discipline

- Outage Window Drivers — Production Loss Against Restart Date
- Frozen Scope Baseline — Gatekeeping Late Additions and Emergent Work
- Work Pack Readiness Check — Releasing Jobs to the Field
- Execution Organisation Chart — Shift Leads, Area Owners and Escalation
- Pre-Outage Readiness Indicators — Go or Delay Decision

Day 2: Energy Isolation and Plant Preparation

- Shutdown Sequence and Depressurising — Safe Plant Take-Down Order
- Isolation Register and Blind List — Positive Isolation for Each Pack
- Permit to Work Interfaces — Simultaneous Operations Conflict Control
- Gas Testing and Confined Space Entry — Vessel Opening Decisions
- Lock-Out Verification Walks — Releasing Equipment to Crews

Day 3: Field Control and Critical Path

- Daily Critical Path Update — Recovering Float After Discovery Work
- Earned Hours Tracking — Contractor Productivity Against Plan
- Discovery Work Triage — Repair Now, Defer or Escalate
- Material and Crane Logistics Board — Removing Field Delays
- Progress Meeting Cadence — Twelve-Hour Reporting to Steering Group

Day 4: Box-Up, Completion and Start-Up

- Box-Up and Reinstatement Sequence — Closing Vessels and Removing Blinds
- Mechanical Completion Certificates — System-by-System Acceptance
- Punch List Categorisation — Restart-Critical Versus Post-Restart Items
- Leak Testing and Pre-Commissioning — Introducing Utilities and Process Fluids
- Staged Start-Up Procedure — Operations Takeover and Stable Production

Day 5: Practising the Turnaround Execution and Restart Readiness Pack

- Isolation Plan for a Sample Unit — Applying Day 2 Registers
- Critical Path Recovery Exercise — Applying Day 3 Field Controls
- Completion and Punch Review Simulation — Applying Day 4 Criteria
- Post-Outage Lessons Log — Feeding the Next Turnaround Cycle
- Turnaround Execution and Restart Readiness Pack — Steering Group Sign-Off

Applying Turnaround Execution, Isolation and Start-Up After the Course

- Audit the isolation register and blind list for one upcoming work pack against the positive isolation method taught.
- Draft mechanical completion and punch list criteria for one system due back in service after the next outage.

Turnaround Execution, Isolation and Start-Up Questions FAQ

What is turnaround execution, isolation and start-up and why does it matter now?

It is the control of a plant outage from take-down and isolation through field work to mechanical completion and restart. It matters now because shorter windows and larger contractor crews leave little room for missed isolations or late handovers.

Which roles gain most from turnaround execution, isolation and start-up?

Turnaround managers, planners, operations leads, contractor coordinators and start-up leads gain most. You benefit if you run the outage floor, isolate plant or sign off restart readiness.

How does turnaround execution, isolation and start-up differ from a longer turnaround management course?

It concentrates on the execution window rather than long-range strategy, early scope development or cost estimating. Its one week cover isolation, field control, box-up and restart, suited to people who run the outage itself.

What do you bring back from turnaround execution, isolation and start-up?

You bring back an execution and restart pack for a sample unit. It holds an isolation plan, a critical path recovery approach, completion and punch criteria and a lessons log you can adapt for your next outage.

Turnaround Execution, Isolation and Start-Up: The Way Forward

The turnaround execution and restart readiness pack first informs whether a unit is ready to be taken down safely. Turnaround leads, operations and contractor coordinators use it through the outage and at the restart review. After the first event, revisit the punch list categories and discovery work triage, since they show where the next window can shrink.