Shutdown Turnaround Optimization Program (S-TOP)

Course Description and Outline

Introduction/Overview of the Course

Many industries spend the majority of their maintenance budget on shutdowns. Turnarounds represent a significant amount of downtime.

The Shutdown Turnaround Optimization Program (S-TOP) delivers the minimum required shutdown scope and absolute minimum downtime. The S-TOP accomplishes this by addressing mechanical, production, inspection, regulatory, and engineering project critical paths.

Course Objectives/Benefits to Participant

The course objective is to improve outage management and execution through the systematic application the S-TOP best practices. Participants will learn how to implement and manage the 6 critical steps behind cost efficient and effective Shutdowns while maintaining a high level of safety.

Typical savings resulting from IDCON S-TOP implementation program can include a reduced critical path (+30%) and reduced Shutdown spending (+12%).

Training Method

Using best practice experience and case studies, the instructor will lead the students through the 6-step approach of the Shutdown Optimization Process.
The steps of the process include:
- Strategic Review
- Work Scope Review
- Plan Review
- Schedule Review
- Execution Review
- Close-out Review

Recommended Attendees

Anyone responsible for managing, planning, scheduling, and executing shutdowns in a manufacturing and/or processing setting is a candidate for this course.

Course Outline

1. Strategic Review. Participants will learn:

- Shutdown Drivers
- Determining Optimum Shutdown Frequencies
- Risk Minimizing Techniques

2. Work list Review: Participants will learn:

- How to use a Risk Based Work Selection Approach
- The benefits of Routine Work vs. Shutdown work
- Shutdown Organization

3- 4 Plan and Schedule Review: Participants learn:

- Best Practices of Planning and Scheduling Shutdowns
- How to utilize and manage Contractors
- Shutdown Safety practices
- Mechanical Practices
- Operations Practices
- Pre-shutdown Activities Checklist
- Shutdown Procedures Checklist
- Start up and Commissioning Procedures Checklist.

5. Execution Review: Participants learn:

- Operations Role
- What should be communicated daily
- The best practice in recording work delays or scope changes
- Are resources available and being utilized to impact execution
- How to capture information and document

6. Closeout Review/Shutdown Critique: Participants will learn:

- Who should attend the Review/Critique meeting
- What the agenda items should be included
- Roles/responsibilities
- Why Review at all?
- How to review the strengths, weaknesses and opportunities for improvement
- How to prepare your closeout report and apply lessons learned to the next event

IDCON In-house Training and On-site Implementation Support
IDCON can customize any of our training courses for your plant and provide the coaching and implementation support to ensure your organization really uses the processes to garner the best results.

IDCON Training and Consulting Services

- Leadership and Organization
- Reliability and Maintenance Assessments
- Planning and scheduling improvement
- Preventive Maintenance/Essential Care and Condition Monitoring
- Operator Essential Care
- Materials and Spare Parts Management
- Root Cause Problem Elimination
- Improving equipment data and technical database