

Practical Shutdown and Turnaround Management A Course for Engineers and Managers

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Course Overview:

This comprehensive course, is meticulously designed to provide participants with essential skills and knowledge for managing shutdowns and turnarounds effectively. Participants will delve into key areas such as Shutdown Management, Turnaround Management, and Maintenance Strategy, focusing on modern methodologies and strategies to enhance reliability and safety. The course covers critical topics including Turnaround Risk and Hazard, Reliability in Maintenance, and modern maintenance methods. Participants will also explore essential elements of Shutdown Planning and Engineering Project Management, equipping them with the tools needed for efficient scope of work validation, pre-shutdown preparation, and contingency planning. This course ensures a holistic understanding of Turnaround Planning, Task Management in Turnaround, and Cost Estimation for Turnaround. By the end, participants will master Site Logistics Management, Safety Plan for Turnaround, and Turnaround Execution, culminating in successful plant startup procedures, performance evaluation, and turnaround demobilization. Emphasis is placed on Maintenance Types, Business Strategy for Turnaround, and Project Scope of Work, ensuring comprehensive coverage of all aspects of turnaround management.

Target Audience:

- Engineers
- Maintenance Managers
- Project Managers
- Operations Managers
- Reliability Engineers
- Maintenance Planners

Targeted Organizational Departments:

- Maintenance
- Operations
- Project Management office
- Health & Safety
- Quality assurance

Targeted Industries:

- Oil and Gas
- Chemical Processing
- Manufacturing
- Power Generation
- Pharmaceuticals

Course Offerings:

By the end of this course, participants will be able to:

- Develop and implement effective Shutdown Management and Turnaround Management strategies
- Formulate comprehensive Maintenance Strategies
- Assess and mitigate Turnaround Risks and Hazards
- Apply modern methods for enhancing Reliability in Maintenance
- Plan and manage shutdowns efficiently
- Execute detailed scope of work validations
- Prepare for shutdowns and develop contingency plans
- Manage turnaround tasks and estimate associated costs
- Oversee site logistics and safety plans
- Execute turnarounds and manage plant startup procedures
- Evaluate performance and demobilize efficiently

Training Methodology:

This course employs a blend of interactive training methodologies, including case studies, group work, and interactive sessions, ensuring practical application of theoretical concepts. Participants will engage in scenario-based learning, real-life case studies, and group discussions, fostering a collaborative learning environment. Feedback sessions will be conducted to reinforce learning and ensure participants can apply the knowledge gained effectively. Emphasis is placed on practical exercises, role-playing, and hands-on activities, ensuring participants leave with tangible skills in Shutdown Management, Turnaround Management, and Maintenance Strategy.

Course Toolbox:

- Comprehensive workbooks
- Industry-specific case studies
- Shutdown Planning templates
- Turnaround Management checklists
- Access to online resources and reading materials
- Detailed project management guides

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Course Agenda:

Day 1: Introduction to Shutdown and Turnaround Management

- **Topic 1:** Overview and Strategy
- **Topic 2:** Turnaround Management
- **Topic 3:** Component of Work
- **Topic 4:** Principle of Methodology
- **Topic 5:** Complexity of Technology
- **Reflection & Review:** Review of the key points and discussion on real-world applications

Day 2: Detailed Planning and Strategies

- **Topic 1:** Complexity of Business
- **Topic 2:** Complexity of Maintenance
- **Topic 3:** Complexity of Life
- **Topic 4:** Turnaround - Risk and Hazard
- **Topic 5:** Business Strategy
- **Reflection & Review:** Evaluation of strategies and interactive group discussions

Day 3: Reliability and Modern Maintenance Methods

- **Topic 1:** Maintenance Strategy
- **Topic 2:** Types of Maintenance
- **Topic 3:** Philosophy of Turnaround
- **Topic 4:** Reliability
- **Topic 5:** Conventional Methods Used to Achieve Reliability
- **Reflection & Review:** Analysis of methods and reliability techniques

Day 4: Team Building and Organizational Planning

- **Topic 1:** Modern Methods
- **Topic 2:** TA Impact
- **Topic 3:** Psychology of TA
- **Topic 4:** Team Building
- **Topic 5:** Turnaround Organization
- **Reflection & Review:** Group exercises on team building and organizational planning

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Day 5: Phases and Summary

- **Topic 1:** Turnaround Phases
- **Topic 2:** Safety & Safety campaign
- **Topic 3:** Structure of Shutdown Plan
- **Topic 4:** Types of Shutdown
- **Topic 5:** Good Shutdown Management
- **Reflection & Review:** Comprehensive review and final evaluations

How This Course is Different from Other Maintenance Courses:

This course stands out due to its comprehensive coverage of all aspects of Shutdown Management and Turnaround Management, tailored specifically for engineers and managers. Unlike other courses, it provides in-depth insights into modern maintenance methods, reliability strategies, and advanced project management techniques. The course employs a highly interactive training methodology, ensuring participants gain practical skills through real-life case studies, scenario-based learning, and group work. Emphasis on contingency planning, cost estimation, and safety management sets this course apart, ensuring participants are well-equipped to handle the complexities of shutdowns and turnarounds. With a focus on team building and advanced methodologies, this course prepares participants to lead successful turnaround projects in their respective industries.

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- Crisis Management and Business Continuity Training Courses
- Data Analytics Training and Data Science Courses
- Digital Government & Public Service Training Courses
- Education and Learning Development Training Courses
- Environment & Sustainability Training Courses
- Facilities and Real Estate Training Courses
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- Governance, Risk and Compliance Training Courses
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- Quality and Operations Management Training Courses
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