



# Process Plants: Shutdown and Turnaround Management

Trinath Sahoo

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### **Process Plants: Shutdown and Turnaround Management**

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In the process industry, shutdown and turnaround costs are responsible for an excessive amount of maintenance expenses. **Process Plants: Shutdown and Turnaround Management** explores various types of shutdowns, presents recommendations for better management, and offers feasible solutions to help reduce overheads. Because turnaround management is the largest maintenance activity, plant turnaround is the focal point of this text. The book details a plan to lengthen the interval between turnarounds, and curtail costs in process production management by at least 30 percent.

This practical guidebook provides a thorough study of shutdown management, discusses different types of shutdown and managing events (emergency, unplanned, planned, and turnaround), and covers all aspects of plant turnaround management including startup, shutdown, and maintenance. It describes the five phases of shutdown management—initiating, planning, executing, controlling, and closing. It contains specific principles and precautions for successful shutdown planning, and highlights many aspects including turnaround philosophy, planning and scheduling, estimation, contractor management, execution, safety management, managing human resources, and post shut down review.

Process Plants: Shutdown and Turnaround Management also includes topical information that readers can successfully apply to future shutdown projects. It is suitable for industry professionals and graduate students.



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