

**TRAINING TITLE**

**MANAGING SHUTDOWNS, TURNAROUNDS & OUTAGES**

**TRAINING DURATION**

5 days

**TRAINING VENUE AND DATES**

REF ME061	Managing Shutdowns, Turnarounds and Outages	5 days	28 March - 1 April 2021	\$4,500	Dubai, UAE
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**In any of the 5 star hotel. Exact venue will be informed later.**

**TRAINING FEES**

4,500 US\$ per participant includes Training Materials/Handouts, Tea/Coffee breaks, Refreshments and International Buffet Lunch.

**TRAINING CERTIFICATE**

**DEFINE** Management Consultancy & Training Certificate of course completion will be issued to all attendees.

**TRAINING OBJECTIVES**

Planning and managing shutdowns, turnarounds and outages in the process plant environment is a complex and demanding function. If turnarounds are not properly planned, managed and controlled, companies run the risks of serious budget overruns, costly schedule delays and negative impacts on customers. This program will look into many aspects related to a practical shutdown and will discuss issues in the heart of turnarounds management.

**WHO SHOULD ATTEND**

- Shutdown or turnaround professionals and coordinators
- Planning/scheduling and cost control staff
- Construction superintendents and supervisors
- Operations shutdown/outage coordinators
- Project engineers and contract administrators
- Participation from inspection, materials, safety and maintenance engineering is also encouraged

**TRAINING METHODOLOGY:**

*DMCT/OL/9/18(Rev3Dt:23/9/18)*

A highly interactive combination of lectures and discussion sessions will be managed to maximize the amount and quality of information and knowledge transfer. The sessions will start by raising the most relevant questions, and motivate everybody find the right answers. You will also be encouraged to raise your own questions and to share in the development of the right answers using your own analysis and experiences. Tests of multiple-choice type will be made available on daily basis to examine the effectiveness of delivering the course. Very useful Course Materials will be given.

- 30% Lectures
- 30% Workshops and work presentation
- 20% Group Work & Practical Exercises
- 20% Videos & General Discussions

## **COURSE OUTLINE**

### **DAY 1**

Types of Shutdown  
Turnaround Planning  
Turnaround Steering Committee  
Preplanning  
Budgeting  
Inspection  
Operations and Technological  
Staff Optimization  
Key performance indicators  
Shutdown communication  
Contract Strategy  
Contractor Selection  
Turnaround Organization

### **DAY 2**

Logistics  
Scheduling and Critical Path Method  
Resource Allocation & Control  
Work Permit System  
Gas Freeing  
Spade Isolation Lists  
Gas Testing  
Equipment Opening & Removal  
Turnaround Risks

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Hazardous substances

**DAY 3**

Confined space entry

Health and safety

Turnaround Responsibilities (Engineering, Operations and Technological)

Prioritization – extra work

Heaters, vessels, heat exchangers, tanks, rotating equipment

Cleaning on Site

**DAY 4**

Welding

Water Jetting

Radiography

Inspection

Repairs, Installation of Internals

Quality control

Pressure Testing

**DAY 5**

Boxing Up Procedure

De-Isolation & Commissioning

Start-up Plan

Emergency Staff

Post-Mortem Best Practices

Case Studies

Course summary and Evaluation

**NOTE:**

- Pre & Post Tests will be conducted
- Case Studies, Group Exercises, Group Discussions, Last Day Review & Assessments will be carried out.

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