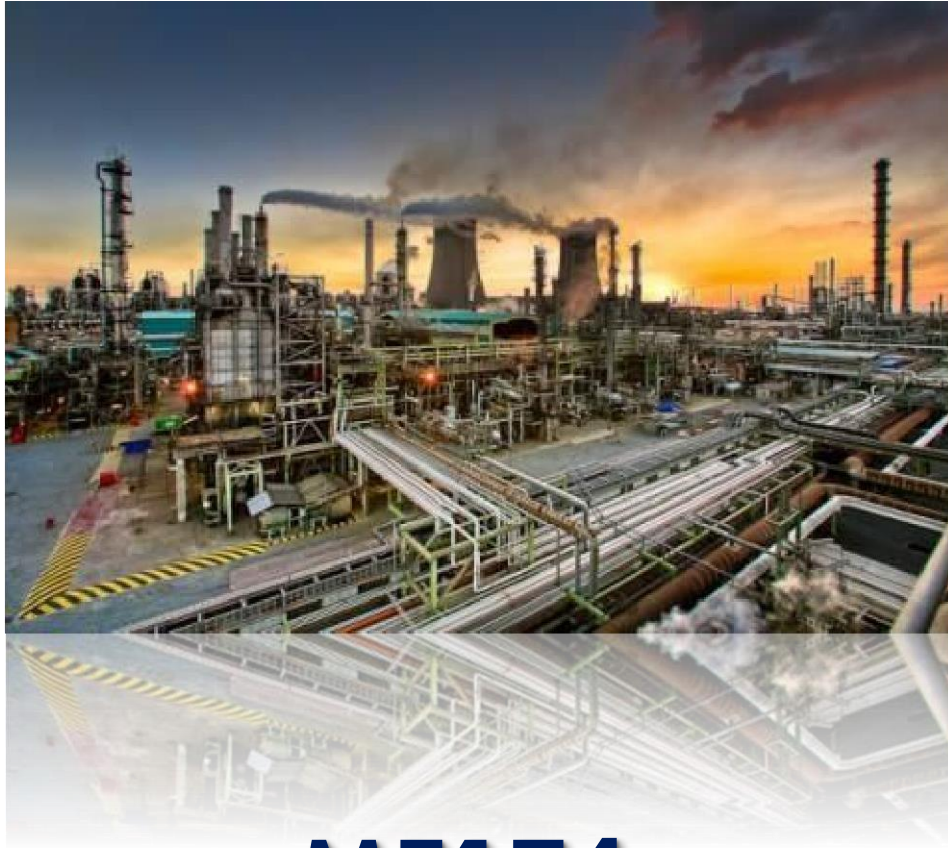




ME174

Advanced

Shutdown and Turnaround Management

Course Introduction:

This course will firmly put planned shutdowns and turnarounds, which are an accepted feature of large process plants, into a business context. The purpose will be identified as the provision of increased overall availability, efficiency and integrity. The course will identify the ingredients which need to be managed effectively and optimized to achieve this result. A framework for efficient, effective and timely action will be given.

The course will highlight how opportunities provided to inspect, clean, repair, modify equipment and regenerate or renew catalysts also provide opportunities to do significant quantities of unnecessary work. This increase in work volume will increase workforce numbers, add complexity to the process, put pressure on the competence pool available locally, add cost, and usually extend the duration of the shutdown.

Effective management of equipment degradation will reduce the rate and unpredictability of deterioration, reduce repair needs, and provide an increased confidence in inspection trends. All of which will reduce work needs.

The course will provide a good understanding of how to manage these and other issues which bear on the successful achievement of the objectives of a modern shutdown strategy. This strategy will aim to optimize the interval between shutdowns, minimize the time between feed out to product back on specification and do this at a low cost.

The course will provide participants with competence in the use of modern, well proven approaches, tools and techniques to achieve this desirable end result.

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Course Objectives:

Upon successful completion of this course, the delegates will have gained a solid understanding of the key elements of successful shutdown management that includes:

- Strategies for shutdown avoidance e.g. by managing degradation and regulators
- Justifying the shutdown and formulating clear objectives to help minimize work volume
- A timetable and framework to make visible and manage the necessary business processes
- Best practice plans for some critical aspects of a shutdown
- Communication strategies
- Benchmarking and capture of data to drive improvements

Who Should Attend?

This is a comprehensive core skills course for professionals dealing with all significant aspects of the management of shutdowns and turnarounds.

The course will be highly valuable to all professionals, particularly engineers, who are involved in this area of the business. For other support personnel involved in shutdowns the course will produce useful insights and put into perspective the key issues and approaches that need to be effectively managed to bring business success.

Course Outline:

Day 1:

- Understanding the purpose of a shutdown
- How to measure success
- Development of a strategic framework for effective action
- Pacesetter performance and best in class

Day 2:

- Putting the shutdown into context of overall operations
- Pre-shutdown work minimizing techniques
- Establishing the shutdown objectives and targets
- Forming the shutdown team

Day 3:

- Making a milestone plan with Pacesetter targets
- Vetting, challenging and freezing work scopes
- Development of contracting strategy options
- Quality plans for critical issues

Day 4:

- Detailed planning systems
- Managing efficient preparation and execution
- Managing and minimizing emergent work

Day 5:

- Management safety
- Achieving a smooth and leak free start up
- Performance reporting, cost monitoring and lessons learnt

Course Certificate:

International Center for Training & Development (ICTD) will award an internationally recognized certificate(s) for each delegate on completion of training.

Course Methodology:

A variety of methodologies will be used during the course that includes:

- (30%) Based on Case Studies
- (30%) Techniques
- (30%) Role Play
- (10%) Concepts
- Pre-test and Post-test
- Variety of Learning Methods
- Lectures
- Case Studies and Self Questionnaires
- Group Work
- Discussion
- Presentation

Course Fees:

To be advised as per course locations. This rate includes participant's manual, Hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Timings:

Daily Course Timings:

08:00 - 08:20	Morning Coffee / Tea
08:20 - 10:00	First Session
10:00 - 10:20	Coffee / Tea / Snacks
10:20 - 12:20	Second Session
12:20 - 13:30	Lunch Break & Prayer Break
13:30 - 15:00	Last Session

