

Training - Turnaround Organization and Optimization



OTAU-EN-P



Face-to-face only



5 days

This course provides an overall strategy to achieve the main turnaround objectives: safety, deadline and budget compliance

Level

Skilled

Public

Engineers and staff (from maintenance, purchasing, project organization, and operation) involved in turnaround management for refining or petrochemical plants

Objectives

Attendees will be able to implement the following skills:

- Identify the steps of a rigorous methodology in preparing shutdown work
- List the points to be taken into account in the establishment, monitoring and analysis of a shutdown schedule
- Specify organizational and supervisory elements that make shutdown work effective
- Explain basic safety rules to be followed during shutdown work

Pedagogical & technical resources

- Numerous applications and cases studies
- An interactive delivery method that draws on participants' experiences
- Trainees mini-projects based on a standard plant

Assessment of achievements

- Trainees are assessed throughout the training through practical application phases and interactions with the trainer
- A final on-the-spot evaluation may also be carried out at the end of the course and/or at the end of each module using tests designed to verify the learners' understanding and assimilation of the knowledge linked to the training objectives

Prerequisites

No prerequisites are necessary to follow this course

Responsible

IFP Training instructors, with expertise in the field and trained in modern teaching methods adapted to the specific needs of learners from the professional world

Program

TURNAROUND REQUIREMENTS

1 day

Turnaround justification: local regulation, maintenance, projects, plant availability.

Turnaround frequency and objectives: schedule, safety compliance, duration and cost.

Typical data used for a turnaround: economic incentives, scope definition.

Steering committee, organization and Key Performance Indicators. Financial breakdown and cost estimate.

TURNAROUND PREPARATION

2 days

Detailed scope, work-list analysis.

Work preparation: tasks sequencing, procedures, long-term material and spare parts orders.

Critical operation identification and preparation.

Cost estimation.

Scheduling: overview, detailed planning and milestones.

Safety plan - Logistics.

Scope challenge: internal and external review.

Team building techniques.

Contracting policy: clear understanding of the different types of contracts: lump sum, reimbursable, unit rates. Purchasing plan.

Contracting procedure.

SUPERVISION OF TURNAROUND ACTIVITIES

2 days

Planning and quality control.

Cost control activities during works.

Management of changes and contingencies.

Mechanical completion, commissioning and start-up activities: acceptances certificates; organization.

Unplanned and additional works management.

Reporting and turnaround assessment.

Occupational health and safety. Lock-out/tag-out procedures.

Risks dealing with hot works, lifting, works at heights, scaffoldings, electrical, piping, high pressure cleaning, work in confined spaces.

Job safety analysis. Prevention plans and work permits: regulation, education, constraints. Responsibility of the personnel.

To French entities : IFP Training is referenced to DataDock ; you may contact your OPCO about potential funding.

Please contact our disabled persons referent to check the accessibility of this training program : referent.handicap@ifptraining.com