



Process Plant Start-up and Commissioning Training Conference



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Introduction

Learn about the start-up and commissioning of new plants and equipment, which present major technical and management challenges. An organization's personnel must familiarize themselves with new equipment, processes, and technologies and develop the relevant operating and safety procedures.

This power plant start-up and commissioning program integrates the key activities involved in the safe, effective, and timely commissioning and start-up of a new plant or facility, including power plant start-up and the broader scope of plant commissioning and start-up processes.

Understanding Power Plant Training Integration

In this dedicated power plant start-up and commissioning conference, we focus on integrating essential concepts related to power plant start-up, discussing the intricacies of plant commissioning and the power plant commissioning process.

Participants in this power plant start-up and commissioning conference will acquire knowledge on power plant seminar content specifically tailored to align with best practices in plant commissioning and start-up scenarios.

Targeted Groups

- General Managers are responsible for overseeing the plant start-up and commissioning.
- Operations and Maintenance Managers with direct line responsibility and staff support responsibility for delivering effective Plant Start-Up and Commissioning.
- Plant Start-Up and Commissioning Managers and Engineers.
- Technical personnel are involved in supporting Plant Start-Up and Commissioning activities.
- Supervisors and Engineers are both operations and maintenance personnel who are involved in or likely to be involved in Plant Start-Up and Commissioning situations.

Conference Objectives

At the end of this power plant start-up and commissioning conference, the participants will be able to:

- Understand the six key stages of the commissioning process.
- Develop an overall commissioning and plant start-up strategy.
- Deal with machinery and equipment-specific commissioning issues.
- Manage issues dealing with the commissioning of Electrical, Instrumentation, and Utilities Systems.
- Develop an overall commissioning management plan, resource plan, and budget.
- Apply troubleshooting and problem-solving strategies to address issues commonly arising during start-up and commissioning.
- Manage risks associated with commissioning.

Targeted Competencies

At the end of this power plant start-up and commissioning conference, the target competencies will:

- Know the key stages of the commissioning process.
- Balance the technical and management challenges of commissioning.
- Deal with machinery and equipment-specific commissioning issues.
- Manage risks and solve the types of problems likely to occur during commissioning.

Conference Content

Unit 1: Introduction and Preparation

- Introduction to Process Plant Start-Up and Commissioning.
- Organization and Roles.
- Supplementary Topics.
- Cost Estimation.
- Spare Parts Planning.

Unit 2: Commissioning Strategy

- Commissioning Strategy.
- Mechanical Completion and Integrity Checking.
- Pre-commissioning and Operational Testing.
- Start-up/Initial Operation.
- Testing and Acceptance.

Unit 3: Process Plant and Machinery-Specific Issues

- Process Plant and Machinery Commissioning.
- Instrumentation and Control Systems.
- Preparing and Isolating Process Plants.

Unit 4: Management, Planning, and Control

- The Start-Up and Commissioning Planning and Control.
- A Short-cut Approach to Planning.
- Progress Monitoring and Control.
- Earned Value Analysis.

Unit 5: Managing Risks During Commissioning

- Troubleshooting and Problem-Solving.
- Risk Management.
- Managing Safety and Quality.
- Conclusion.