

PROCESS PLANT START-UP, COMMISSIONING & TROUBLESHOOTING



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TRAINING TITLE

PROCESS PLANT START-UP, COMMISSIONING & TROUBLESHOOTING

VENUE

Dubai, UAE

DURATION

5 Days

DATES

15-19 May 2022

PRICE

US\$4,000 per attendee including training material/handouts, morning/afternoon coffee breaks and Lunch buffet.

TRAINING INTRODUCTION

The initial start-up of any plant, irrespective of size, type, or industry, is a unique occurrence. Therefore, start-up poses some special problems. Lack of experience in dealing with these problems has frequently resulted in prolonged and costly startups. This course will provide guidelines for all those involved in the execution of a project on how to achieve a successful plant start-up. The requirements for start-up-oriented thinking at all stages of the project, from engineering to commissioning, will be demonstrated.

The course material covers estimating of start-up costs, personnel requirements, and resources. It defines the vital role of project management and plant personnel in the preparation and planning for successful start-up of any process plant. Emphasis is on effective planning and use of available resources, both material and manpower.

TRAINING OBJECTIVES

Upon completion of this course, you will gain knowledge of the problems and their sources, associated with first-time start-ups. You will have the necessary skills for anticipating and avoiding financial, technical, operational, and organizational problems associated with start-up.

TRAINING AUDIENCE

This course is designed for project managers, plant managers, plant supervisors, technical staff, and contractor personnel involved in project execution and plant start-up in any process industry. The greatest benefit arises from the application of these

start-up-oriented ideas throughout a project, beginning at the conceptual phase. The practical techniques and examples provide useful insights that are valuable at any stage of project execution and preparation for start-up.

TRAINING OUTLINE

TERMS AND TOOLS

- Introduction
- Start-Up Problems
- Discussion
- Start-Up Planning
- Start-Up Cost Prediction
- Minimizing Equipment Problems

MANAGEMENT

- Start-Up Safety and Environmental Issues
- Start-Up Management
- Start-Up Manpower
- Start-Up Leadership
- Discussion

IN THE FIELD

- Construction Inspection
- Construction Completion—the Beginning of Start-Up
- Commissioning—The Heart of Start-Up
- Start-Up Operations
- Discussion

START- UP TROUBLESHOOTING

- Technical Issues
- Solutions
- Implementing Changes

START- UP and PROCESS SIMULATION (HANDS-ON DEMONSTRATION)

SHUTDOWN and DECOMMISSIONING

- Normal Shutdown
- Decommissioning and demolition

TRAINING CERTIFICATE

MAESTRO CONSULTANTS Certificate of Completion for delegates who attend and complete the training course

METHODOLOGY

Our courses are highly interactive, typically taking a case study approach that we have found to be an effective method of fostering discussions and transferring knowledge. Participants will learn by active participation during the program through the use of individual exercises, questionnaires, team exercises, training videos and discussions of “real life” issues in their organizations.

The material has been designed to enable delegates to apply all of the material with immediate effect back in the workplace.