

# € TRAINING

Power Plant Water Treatment Systems



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## Introduction:

Technology, Planning, Design Factors, Construction, Maintenance & Management issues in Power Plant Water Treatment Systems. Participants will learn about Boiler Water Treatment Plants, Cooling Water Treatment Systems, Sea Water Cooling Systems, and Waste Water Treatment Plants Good & Best Practices.

## Course Objectives:

At the end of this course, the participants will be able to:

- Set Up a Quality Control System.
- Set Up a Quality Assurance System.
- Set Up a Good Management Practices System.
- Set Up a Knowledge Management System.

## Targeted Audience:

- Project managers
- Water treatment engineers/Plant engineers
- Maintenance personnel in the process industries
- Regulatory authorities hygiene and health & safety inspectors
- Facility management companies personnel
- Maintenance personnel in the hotel and catering industry

## Course Outlines:

### Unit 1:

- Water Treatment Processes in Power Plants.
- Boiler Water System.
- Cooling Water System.

### Unit 2:

- Sea Water Cooling System.
- Chemical Control of Water & Steam.
- Idle Time Water & Steam Management.

### Unit 3:

- Water Treatment Processes:
- Pre-Treatment.
- De-Mineralization.
- Condensate Polishing.
- Deaeration.

#### Unit 4:

- Cleaning Water System.
- Water Pollution & Control.
- Power Plant Waste Water Treatment Systems.

#### Unit 5:

- Environmental Audit.
- Environmental Impact Assessment of Power Plan Waste Waters.