



Environment in Desalination & Power Plant

| Date | Venues | (\$)Fees | Book your seat |
|---------------------|--------|----------|------------------------------|
| 03 Mar -07 Mar 2024 | Cairo | 2900 | Register Now |

Course Overview

Desalination technologies were introduced about 50 years ago and were able to expand access to water, but at high cost. Developments of new and improved technologies have now significantly broadened the opportunities to access major quantities of safe water in many parts of the world. Costs are still significant but there has been a reducing cost trend, and the option is much more widely available. When the alternative is no water or inadequate water greater cost may be endurable in many circumstances.

Course Objective

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Who Should Attend?

- Mechanical Engineers
- Production Engineers
- Chemists
- Department Managers

Course Outline

- **OVERVIEW OF DESALINATION TECHNOLOGIES**
- **REVERSE OSMOSIS FUNDAMENTALS**
- **PLANNING FOR SEAWATER DESALINATION PLANT**
- **SEAWATER INTAKES**
- **SEAWATER PRETREATMENT**
- **REVERSE OSMOSIS SYSTEM CONFIGURATION**
- **DESALINATION PLANT ENERGY USE**
- **SEAWATER CONCENTRATE DISPOSAL**
- **DESALINATION PLANT PERFORMANCE ANALYSIS AND OPTIMIZATION**
- **DESALINATION PLANT OPERATIONAL MONITORING AND TROUBLESHOOTING**
- **DESALINATION PLANT CASE STUDIES**
- **OPERATION AND MONITORING OF SMALL PLANTS**

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Games & Role plays



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