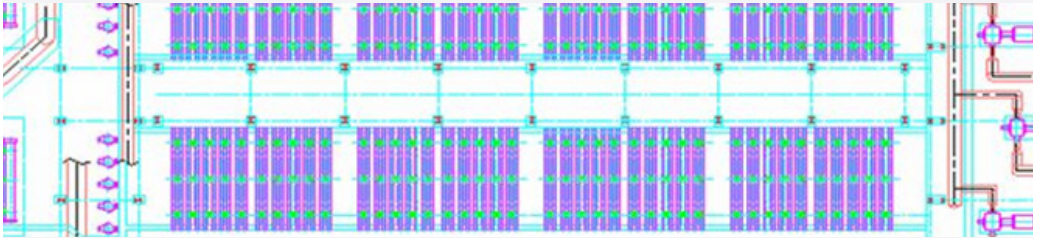


RO SYSTEM DESIGN LEVEL 3

 4 DAY |  CLASS ROOM COURSE

This course covers both theoretical and practical aspects of engineering and design of seawater reverse osmosis (SWRO) membrane systems. The course provides a brief overview of RO system fundamentals and focuses on selection and design of all key RO system components. The course also discusses alternative RO membrane system configurations, key performance parameters of state-of-the-art SWRO and BWRO elements, and instrumentation and control components of SWRO plants.



TOPICS INCLUDED

- RO system key performance and design parameters
- Key steps of RO system design
- Key design source and product water quality parameters
- Overview of alternative RO system configurations
- Key factors impacting selection of RO system design
- Overview of key RO system design software
- Alternative uses of RO design packages
- High pressure pump types & configurations
- High pressure pump key design parameters
- Key design of spiral-wound RO elements and pressure vessels
- RO skids and trains – key design criteria
- Design of RO flushing and CIP systems
- Design of service systems
- Type, configuration of energy recovery systems

WHO SHOULD ATTEND?

Design Engineers, Plant Engineers, Service Technicians, and Plant Managers

PREREQUISITES

Participants should have completed the Foundation Level Water Chemistry Course and the RO Operation, Monitoring & Troubleshooting (Level 1 & 2) Course or possess adequate relevant work experience

WHAT YOU WILL RECEIVE

28 hours of enjoyable, interesting & easy to understand training

Illustrated text book

Lunch and refreshments

Presentations and group interactive discussions with input & feedback encouraged