

# Reverse Osmosis Monitoring and Troubleshooting Mastery

3 – 7 October 2027  
Istanbul (Turkey)

UK Training

# PARTNER



## Reverse Osmosis Monitoring and Troubleshooting Mastery

**Ref:** 322861\_216902 **Date:** 3 – 7 October 2027 **Location:** Istanbul (Turkey) **Fees:** 4200 GBP

### Course Description

This comprehensive 5-day course provides in-depth knowledge and practical skills for monitoring and troubleshooting reverse osmosis RO systems. Participants will learn advanced techniques for system operation, maintenance, and problem-solving, ensuring optimal performance and longevity of RO installations.

### Learning Objectives

- Understand RO principles and system components
- Master monitoring techniques and data interpretation
- Develop advanced troubleshooting skills for common RO issues
- Learn preventive maintenance strategies to optimize system performance
- Gain hands-on experience with RO system operation and maintenance

### Course Modules

#### Day 1: RO Fundamentals and System Components

- Principles of reverse osmosis
- RO system components and their functions
- Membrane types and characteristics
- Pre-treatment and post-treatment systems

#### Day 2: Monitoring Techniques and Data Analysis

- Key performance indicators for RO systems
- Data collection and logging methods
- Normalization of operating data
- Trend analysis and interpretation

#### Day 3: Troubleshooting Common RO Issues

- Identifying and resolving membrane fouling
- Scaling prevention and remediation
- Addressing low permeate quality and flow
- Pressure and flow-related problems

A graphic of a chessboard with several chess pieces (a king, a queen, and a pawn) in the foreground. The text 'UK Training' is in a small font above the word 'PARTNER' in a large, bold, black sans-serif font.

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## **Day 4: Advanced Diagnostics and Maintenance**

- Membrane autopsy techniques
- Chemical cleaning procedures
- Preventive maintenance strategies
- Optimizing system performance and efficiency

## **Day 5: Hands-on Practice and Case Studies**

- Practical exercises on RO system operation
- Troubleshooting simulations
- Case study analysis and problem-solving
- Best practices for long-term system management

## **Practical Wins for Participants**

- Ability to independently monitor and troubleshoot RO systems
- Skills to optimize RO performance and reduce operational costs
- Confidence in handling complex RO issues and maintenance tasks
- Knowledge to extend membrane life and improve system efficiency

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A graphic illustration of a chessboard with several chess pieces. A large gold king piece is prominent in the foreground, with a silver pawn and a gold pawn nearby. The board is checkered, and there are concentric circles in the background.