

Course Overview:

This specialized course is tailored for professionals managing Yokogawa Distributed Control Systems (DCS) within Maaden's industrial operations. It delivers in-depth, practical training in DCS architecture, system operation, diagnostics, and performance optimization. By aligning technical mastery with real-world application, the program equips engineers and technicians with the skills to maintain, enhance, and future-proof Yokogawa DCS installations.

Course Objective:

- Understand the architecture and core components of Yokogawa DCS.
- Operate and configure Yokogawa systems effectively for Maaden's specific processes.
- Diagnose and resolve system failures using advanced troubleshooting techniques.
- Implement security and safety protocols within the DCS environment.
- Enhance system reliability through maintenance and performance optimization strategies.

Course Outline:

Module 1: Yokogawa DCS Architecture

- Components and system functionality
- Layout and integration of DCS
- Application in Maaden operations

Module 2: Operational Skills in Yokogawa DCS

- Navigating the DCS interface
- Control strategies and programming
- Customizing configurations for operational needs

Module 3: Troubleshooting Yokogawa DCS

- Diagnosing system issues
- Advanced troubleshooting methods
- Case study analysis of system failures

Module 4: Maintenance and Upgrades of Yokogawa DCS

- Preventive maintenance practices
- System upgrades and patches
- Ensuring long-term reliability

Module 5: Safety and Security in Yokogawa DCS

- Operational safety protocols
- Cybersecurity strategies
- Risk management and response

Module 6: Optimizing Yokogawa DCS Performance

- Improving operational efficiency
- Energy and resource management
- Techniques for continuous improvement

Module 7: Technological Advances in Yokogawa DCS

- Latest innovations and features
- Digital transformation in DCS
- Preparing for future developments

Training Language:

EN

Training Methodology:

The course combines various teaching methods, including instructor-led presentations, group discussions, case study analyses, and assessments through quizzes and a final exam to engage participants and ensure they understand and retain the material.

Venue | Date | Fees

Riyadh | 19-10-2025 | 17,250 SAR

Module 8: Customized Training and Practical Applications

- Practical exercises with Maaden systems
- Guided workshops and simulations
- Group feedback and shared learning

Who Should Attend:

- Control System Engineers at Maaden
- DCS Technicians and Operators
- Subject Matter Experts in Industrial Automation
- Technical Staff involved in Yokogawa DCS Management