

Course Overview:

This specialized course is tailored for Maaden professionals engaged in Siemens Distributed Control Systems (DCS). It addresses operational mastery, troubleshooting proficiency, and system optimization within the Siemens DCS framework. Designed to elevate technical expertise, it equips engineers and technicians with practical tools to enhance efficiency, reliability, and system performance, directly impacting critical industrial operations.

Course Objective:

- Understand the architecture and components of Siemens DCS
- Operate and manage Siemens DCS efficiently in industrial settings
- Diagnose and resolve complex DCS system issues
- Optimize DCS performance for energy and operational efficiency
- Apply Siemens DCS knowledge to Maaden-specific challenges

Course Outline:

1. Siemens DCS Architecture
 - Components and functionality
 - System layout and integration
 - Role in Maaden's operations
2. Operational Skills in Siemens DCS
 - Navigating the system interface
 - Logic programming and control strategies
 - Customizing operations for Maaden processes
3. Troubleshooting Siemens DCS
 - System issue identification
 - Advanced troubleshooting techniques
 - Real-world failure case studies
4. Maintenance and Upgrades
 - Preventive maintenance practices
 - Software and hardware upgrade procedures
 - Ensuring long-term system reliability
5. Safety and Security
 - Operational safety measures
 - Cybersecurity practices
 - Emergency response planning
6. Optimizing DCS Performance
 - Operational efficiency strategies
 - Energy management techniques
 - Continuous improvement initiatives
7. Technological Advances
 - Innovations in Siemens DCS
 - Digital transformation integration
 - Future development trends
8. Customized Training and Applications
 - Practical sessions on Maaden systems

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

Jubail | 05-10-2025 | 17,250 SAR

- Interactive learning modules
- Tailored workshops addressing Maaden's challenges

Who Should Attend:

- Control System Engineers specialized in Siemens DCS at Maaden
- DCS Technicians and Operators
- Industrial Control and Automation SMEs
- Technical Staff involved in DCS Management