

Course Overview:

This advanced course is designed to equip senior professionals with specialized skills in maintaining and troubleshooting electrical equipment within complex industrial settings. Focusing on Maaden's operational context, the course addresses real-world issues, system optimization, and safety compliance, making it ideal for experienced personnel managing high-stakes electrical systems.

Course Objective:

- Develop proficiency in advanced maintenance techniques for industrial electrical systems
- Master diagnostic and troubleshooting strategies for persistent electrical issues
- Ensure adherence to regulatory and safety standards in electrical operations
- Optimize electrical system performance for reliability and efficiency
- Tailor maintenance practices to the specific needs of Maaden's operations

Course Outline:

1. Electrical Equipment in Industrial Operations
 - Overview of specific electrical systems
 - Equipment types and applications
 - Operational characteristics
2. Advanced Maintenance Techniques
 - Predictive and preventive maintenance
 - Condition monitoring and diagnostics
 - Custom maintenance planning
3. Troubleshooting Electrical Issues
 - Diagnostic approaches to common faults
 - Advanced troubleshooting tools and methods
 - Case studies from real operations
4. Safety Practices in Electrical Maintenance
 - Safety protocols and compliance
 - Risk assessment and hazard control
 - Emergency response procedures
5. Regulatory Compliance and Standards
 - Understanding electrical regulations
 - Documentation and audit readiness
 - Legal implications of non-compliance
6. Technological Advancements in Electrical Maintenance
 - Innovations in electrical systems
 - Impact of digitalization on maintenance
 - Emerging technologies and tools
7. Optimization of Electrical Systems
 - Strategies for improving reliability
 - Energy management and sustainability
 - System performance analysis
8. Customized Workshops and Feedback Sessions
 - Real-case applications using Maaden's equipment

Training Language:

English-Arabic

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 | 31-08-2025 | 17,250 SAR

- Interactive training modules
- Feedback-based skill enhancement

Who Should Attend:

- Senior Electrical Maintenance Engineers
- Experienced Electrical Technicians
- SMEs in Electrical Systems at Maaden
- Advanced-Level Electrical System Operators