

DIESEL POWER GENERATING MAINTENANCE AND TROUBLESHOOTIN

"Ensure Reliable and Efficient Diesel Power Generation Through Expert Maintenance and Troubleshooting Practices."

Schedule	
Venue (In-house)	Fees
At Your Organization Premises	Ask For The Quotation

Introduction

Diesel power generators are critical for industrial, commercial, and emergency power supply. Proper maintenance and troubleshooting are essential to ensure continuous operation, prevent costly downtime, and extend the lifespan of equipment.

The Diesel Power Generating Maintenance and Troubleshooting course provides participants with practical skills to maintain, inspect, and troubleshoot diesel generators effectively. Through real-world exercises and case studies, participants will learn preventive maintenance techniques, fault diagnosis, and corrective actions to ensure reliable and efficient power generation.

- Objectives
- By the end of this course, participants will be able to:
- Understand the operation and components of diesel power generating systems.
 - Perform routine maintenance and preventive care on diesel generators.
 - Diagnose and troubleshoot common mechanical and electrical faults.
 - Optimize generator performance for fuel efficiency and reliability.
 - Implement safety practices and comply with regulatory standards.
 - Apply systematic troubleshooting techniques to minimize downtime.
 - Maintain records of maintenance activities and performance metrics.
 - Enhance operational reliability and extend equipment lifespan.

Why Attend

This course is essential for engineers, technicians, and maintenance personnel responsible for diesel power generation. Participants will gain hands-on experience in inspection, maintenance, and troubleshooting, enabling them to ensure reliable operation and reduce operational costs.

Target Audience

This course is suitable for:

- Diesel Generator Operators and Technicians
- Electrical and Mechanical Maintenance Engineers
- Industrial and Plant Engineers
- Power System Supervisors and Managers
- Reliability and Asset Management Professionals
- Graduate Students in Mechanical, Electrical, or Power Engineering

Individual Benefits

- Develop practical expertise in diesel generator maintenance and troubleshooting.
- Gain confidence in diagnosing and correcting equipment faults.
- Enhance problem-solving skills and operational efficiency.
- Increase professional value and career growth opportunities.
- Learn to optimize generator performance for reliability and fuel efficiency.
- Acquire knowledge of safety protocols and compliance standards.

Organizational Benefits

- Improve reliability and availability of diesel power generation systems.
- Reduce downtime, maintenance costs, and operational risks.
- Extend the lifespan of diesel generators through proper maintenance.
- Ensure compliance with safety and regulatory requirements.
- Build in-house expertise in generator troubleshooting and preventive maintenance.
- Optimize fuel efficiency and overall operational performance.

Instructional Methodology

The training employs a practical, hands-on approach through:

- Interactive lectures and system demonstrations
- Real-world case studies and troubleshooting exercises
- Step-by-step hands-on exercises on preventive maintenance and fault diagnosis
- Group workshops and collaborative problem-solving sessions
- Assignments focused on performance optimization and reliability improvement
- Continuous feedback and Q&A sessions to reinforce learning

Course Outline

- Module 1: Introduction to Diesel Power Generators – Components and Operation
- Module 2: Preventive Maintenance – Schedules and Procedures
- Module 3: Mechanical Systems Inspection and Servicing
- Module 4: Electrical Systems and Control Panels Maintenance
- Module 5: Fuel System Maintenance and Optimization
- Module 6: Troubleshooting Common Mechanical Faults
- Module 7: Troubleshooting Electrical and Control Issues
- Module 8: Performance Monitoring and Efficiency Optimization
- Module 9: Safety, Regulatory Compliance, and Documentation
- Module 10: Capstone Project – Complete Maintenance and Troubleshooting of a Diesel Generator

Certification

Upon successful completion, participants will receive a Certificate in Diesel Power Generating Maintenance and Troubleshooting, validating their expertise in maintaining, troubleshooting, and optimizing diesel power generation systems.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: +601116373203	EMAIL: info@mawaevents.net
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