

## EFFECTIVE GENERATORS TRAINING PROGRAM

*“Maximizing Generator Efficiency, Reliability, and Safety in Industrial and Commercial Applications”*

### Schedule

Date	Venue	Duration	Fees (Face-to-Face)
05 - 07 Apr 2026	Riyadh, KSA	3 Days	USD 2495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

### Introduction

Generators are critical for ensuring continuous power supply in industrial, commercial, and emergency applications. Proper operation, maintenance, and troubleshooting are essential to maximize their efficiency, extend service life, and prevent costly downtime.

This intensive 3-day training provides participants with practical knowledge and skills for effective generator operation, maintenance, and fault diagnosis. The program combines theoretical insights with hands-on exercises to ensure participants can manage generator systems efficiently and safely.

### Objectives

By the end of this course, participants will be able to:

- Understand the fundamentals of generator operation and design
- Perform routine maintenance and inspection procedures
- Identify and troubleshoot common generator faults
- Optimize generator performance for efficiency and reliability
- Apply safety protocols and best practices in generator management
- Implement preventive maintenance strategies to reduce downtime
- Enhance operational readiness in critical power systems

## Why Attend

- Learn practical skills for operating and maintaining generators
- Reduce downtime and maintenance costs through preventive strategies
- Enhance safety and reliability in generator operations
- Gain troubleshooting techniques for common generator issues
- Improve understanding of generator performance and efficiency
- Apply hands-on knowledge to real-world industrial and commercial settings

## Target Audience

This program is designed for:

- Electrical engineers and technicians
- Maintenance engineers and plant operators
- Power system managers and operators
- Facility managers and technical supervisors
- Professionals responsible for generator performance and maintenance

## Individual Benefits

Key competencies that will be developed include:

- Knowledge of generator design, operation, and control
- Skills in preventive maintenance and troubleshooting
- Ability to enhance generator efficiency and reliability
- Understanding of safety protocols and best practices
- Hands-on experience with real-world generator operations
- Improved technical problem-solving and decision-making capabilities

## Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Reduced generator downtime and operational disruptions
- Enhanced efficiency and performance of power systems
- Improved safety compliance and operational reliability
- Better resource management and maintenance planning
- Increased cost-effectiveness in generator operations
- Strengthened organizational readiness for emergency power requirements

## Instructional Methodology

The course follows a blended approach combining theory with practical exercises:

- Strategy Briefings - Fundamentals of generator operation and design principles
- Case Studies - Real-world examples of generator maintenance and troubleshooting
- Workshops - Hands-on exercises for preventive maintenance and fault diagnosis
- Peer Exchange - Group discussions on operational challenges and best practices
- Tools - Checklists, templates, and maintenance schedules for effective generator management

## Course Outline

Detailed 3-Day Course Outline

Training Hours: 7:30 AM – 3:30 PM Daily Format: 3–4 Learning Modules | Coffee Breaks: 09:30 & 11:15 | Lunch: 01:00 – 02:00

Day 1: Fundamentals of Generator Operation

- Introduction to generator types and applications
- Principles of electrical generation and control systems
- Overview of generator components and performance parameters
- Workshop: Operational checks and inspection routines

Day 2: Maintenance and Troubleshooting

- Routine maintenance and preventive strategies
- Common faults and troubleshooting techniques
- Hands-on exercises on fault identification and corrective actions
- Workshop: Practical troubleshooting and maintenance simulation

Day 3: Performance Optimization and Safety

- Optimizing generator efficiency and reliability
- Safety protocols and compliance requirements
- Emergency procedures and operational readiness
- Workshop: Performance evaluation and action planning

## Certification

Participants will receive a Certificate of Completion in Effective Generators Training Program, validating their competence in generator operation, maintenance, troubleshooting, and performance optimization.

## 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:

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