

EMERGENCY & CRISIS MANAGEMENT IN POWER SYSTEM

"Strengthening Preparedness, Response, and Resilience in Power System Operations"

Schedule

Date	Venue	Fees
23 - 27 Feb 2026	Dubai, UAE	USD 3495 per delegate
01 - 05 Mar 2026	Riyadh, KSA	USD 3495 per delegate

Introduction

Power systems are critical infrastructure, and any emergency or crisis—such as system failures, natural disasters, cyber incidents, or operational accidents—can have severe economic, safety, and societal consequences. Effective emergency and crisis management is essential to ensure rapid response, system stabilization, and restoration of power supply while safeguarding personnel and assets.

This intensive 5-day training equips participants with comprehensive knowledge and practical skills to manage emergencies and crises in power systems. The course integrates international best practices, real-world case studies, and structured response frameworks to enhance preparedness, decision-making, and resilience across power generation, transmission, and distribution networks.

Objectives

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

- Understand emergency and crisis management principles in power systems
- Identify potential power system emergencies and crisis scenarios
- Develop and implement emergency response and crisis management plans
- Apply risk assessment and contingency planning techniques
- Coordinate effective communication during power system emergencies
- Manage incident response, recovery, and system restoration
- Enhance organizational resilience and business continuity

Why Attend

- Gain practical skills in managing power system emergencies and crises
- Learn structured approaches for incident response and recovery
- Improve decision-making under high-pressure situations
- Reduce operational, safety, and reputational risks
- Strengthen coordination among technical and emergency response teams
- Align emergency preparedness with international best practices

Target Audience

This program is designed for:

- Power system engineers and operations personnel
- HSE professionals working in power and utility sectors
- Control room operators and shift supervisors
- Emergency response and crisis management team members
- Maintenance, reliability, and asset management professionals
- Managers responsible for power system operations and safety

Individual Benefits

Key competencies that will be developed include:

- Enhanced understanding of power system emergency scenarios
- Ability to respond effectively to technical and operational crises
- Improved coordination and communication skills during incidents
- Stronger analytical and decision-making capabilities
- Increased awareness of safety, risk, and compliance requirements
- Professional development in emergency and crisis management

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved preparedness for power system emergencies
- Faster and more effective incident response and recovery
- Reduced downtime and impact of power system failures
- Enhanced safety of personnel and critical assets
- Strengthened crisis communication and coordination
- Increased resilience and reliability of power system operations

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – Emergency and crisis management frameworks for power systems
- Case Studies – Analysis of real-world power system failures and blackout events
- Workshops – Development of emergency response and crisis management plans
- Simulations – Scenario-based exercises and tabletop drills
- Peer Exchange – Group discussions on challenges, lessons learned, and best practices
- Tools – Templates for emergency plans, communication protocols, and incident logs

MAWA EVENTS

Address: No. 857, Block A2, Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net



Course Outline

Detailed 5-Day Course Outline

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

Day 1: Fundamentals of Emergency & Crisis Management in Power Systems

Module 1: Introduction to Emergency & Crisis Management (07:30 – 09:30)

- Definitions and concepts of emergencies and crises
- Differences between incident, emergency, and crisis
- Importance of preparedness in power systems

Module 2: Power System Risk Identification

- Common emergency scenarios in power generation, transmission, and distribution
- Natural, technical, human, and cyber-related risks
- Risk assessment and prioritization

Module 3: Emergency Management Frameworks

- Incident Command System (ICS)
- Roles, responsibilities, and escalation procedures
- Coordination with external agencies

Day 2: Emergency Preparedness and Response Planning

Module 1: Emergency Response Planning

- Structure and components of an emergency response plan
- Resource planning and mobilization
- Emergency procedures and checklists

Module 2: Crisis Management Structure and Leadership

- Crisis management teams and decision-making hierarchy
- Leadership under crisis conditions
- Ethical and legal considerations

Module 3: Communication During Emergencies

- Internal and external communication protocols
- Media and stakeholder communication
- Managing information flow and misinformation

Day 3: Incident Response, Control, and Safety

Module 1: Incident Detection and Initial Response

- Early warning systems and alarms
- First response actions and scene control
- Safety of personnel and equipment

Module 2: Power System Isolation and Stabilization

- Load shedding and system isolation strategies
- Coordination with control centers
- Preventing cascading failures

Module 3: Health, Safety, and Environmental Considerations

- Emergency safety procedures
- Managing hazardous situations
-

Environmental protection during incidents

Day 4: Recovery, Restoration, and Business Continuity

Module 1: System Recovery and Restoration

- Power restoration strategies and prioritization
- Coordination between generation, transmission, and distribution
- Managing prolonged outages

Module 2: Business Continuity and Resilience

- Integration with business continuity plans
- Maintaining critical services
- Resource and workforce continuity

Module 3: Post-Incident Analysis

- Incident investigation and root cause analysis
- Lessons learned and corrective actions
- Documentation and reporting

Day 5: Exercises, Improvement, and Best Practices

Module 1: Emergency and Crisis Simulations

- Tabletop and scenario-based exercises
- Decision-making under pressure
- Team coordination and communication

Module 2: Continuous Improvement and Auditing

- Reviewing and updating emergency plans
- Performance indicators and audits
- Training and competency development

Module 3: Best Practices and Course Review

- International best practices and standards
- Key takeaways and action planning
- Final discussion and wrap-up

Certification

Participants will receive a Certificate of Completion in Emergency & Crisis Management in Power Systems, validating their knowledge and practical competence in preparing for, responding to, and managing emergencies and crises within power system environments.

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