Crisis & Emergency Response for Power Utilities

Blackouts, cyber threats, and disaster recovery.

MEERIM VISIONARY TRAINING (FZE)
INSPIRING AMBITION AND SUCCESS

Training Program

16-20 NOV 2025

DUBAI, UAE

Why Invest in This Training?

- Prevent Catastrophic Losses
- Ensure Grid Reliability & Public Trust
- Stay Ahead of Cyber & Climate Risks
- Strengthen Crisis Leadership & Decision-Making
- Compliance & Regulatory Advantage
- High ROI on Training
- Tailored for Power Utilities
- Practical strategies for managing blackouts & emergency operations
- Protecting SCADA/OT systems from cyber threats
- Designing and testing disaster recovery & business continuity plans

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TECHNICAL PROPOSAL

CRISIS & EMERGENCY RESPONSE FOR POWER UTILITIES

Training Audience:

- Power Plant Engineers and Operators
- Power generation, transmission, and distribution engineers
- Emergency response & HSE managers
- Control room & operations staff
- Asset & risk management professionals
- Utility company leadership teams

Training Overview:

The power sector is the backbone of modern society yet it faces constant threats ranging from large-scale blackouts and cyberattacks to natural disasters and technical failures.

This 5-day intensive program equips participants with the knowledge, tools, and strategies to respond effectively to emergencies, safeguard critical infrastructure, and ensure rapid recovery with minimal disruption.

Training Objectives:

- Identify and assess critical risks to power utilities (technical, environmental, cyber, human).
- Develop and implement comprehensive crisis management and emergency response plans.
- Coordinate effectively during blackouts and system failures.
- Protect control systems, SCADA, and OT networks from cyber threats.
- Apply disaster recovery and business continuity best practices.
- Lead teams under pressure and maintain communication with stakeholders.

Organizational Benefits:

- Enhanced readiness for emergencies and blackouts.
- Reduced downtime and financial losses during crises.
- Stronger cybersecurity posture for power infrastructure.
- Improved compliance with national & international regulatory standards.
- Increased trust from regulators, partners, and the public.

Training Methodology:

- Expert-led presentations
- Real-world case studies (New York blackout, Ukraine cyberattack on grid, GCC outages)
- Group workshops & crisis simulation exercises
- Table-top exercises for disaster recovery planning
- Interactive discussions & Q&A
- Pre- and post-training assessment
- Completion of Certificates

Personal Benefits:

- Practical skills in crisis decision-making and response.
- Confidence in handling cyber-physical attacks on power systems.
- Ability to design, test, and update emergency protocols.
- Leadership skills to manage teams in high-stress scenarios.

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Training Modules:

Day 1 – Understanding Power Utility Risks & Crisis Fundamentals

- Types of crises in power utilities: technical, natural, human, cyber.
- Blackout case studies: causes, impacts, and lessons learned.
- Fundamentals of crisis management for critical infrastructure.
- Emergency preparedness frameworks (ISO 22320, FEMA, IEC standards).

Day 2 – Blackout Management & Emergency Operations

- Power system vulnerabilities leading to blackouts.
- Control room operations during emergencies.
- Load shedding, islanding, and grid restoration strategies.
- Communication protocols with regulators, customers, and stakeholders.

Day 3 – Cybersecurity & SCADA/OT Protection

- Threat landscape: malware, ransomware, and advanced persistent threats.
- SCADA, DCS, and substation automation vulnerabilities.
- Cyber-attack case studies: Ukraine 2015, Colonial Pipeline, GCC incidents.
- Cyber defense measures, incident response, and recovery planning.

Day 4 – Disaster Recovery & Business Continuity

- Building a disaster recovery framework for power utilities.
- Business continuity planning (BCP) – ISO 22301 compliance.
- Backup power solutions, redundancy, and resilience.
- Table-top simulation: “Restoring Power After a Regional Blackout.”

Day 5 – Crisis Simulation, Leadership & Future Trends

- Full-scale crisis simulation (blackout + cyber incident).
- Leadership in emergencies: decision-making under stress.
- Stakeholder & media communication strategies.
- Future challenges: climate change, AI-driven cyber threats, and resilience planning.
- Course wrap-up, group presentations, and action planning.

TALK TO US

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ISO 9001:2015 ISO 14001:2015 ISO 45001:2018