MAWA EVENTS

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

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

PROTECTING CRITICAL NATIONAL INFRASTRUCTURE

""Strategies to Safeguard Essential Services Against Emerging Threats""

Schedule

Date	Venue	Fees (Face-to-Face)
04 – 05 Mar 2026	Kuala Lumpur, Malaysia	USD 1995 per delegate

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

Introduction

Critical National Infrastructure (CNI) forms the backbone of a nation's security, economy, and public health. As cyber and physical threats evolve rapidly, the need to secure vital assets—such as energy, water, transportation, communications, and financial systems—has become a top priority for governments and private sector operators alike.

This intensive two-day training program explores the principles, frameworks, and tools used to protect critical infrastructure from natural disasters, cyberattacks, terrorism, and other disruptions. The course equips professionals with the knowledge to assess vulnerabilities, apply international standards, and implement effective protection strategies for CNI assets.

Objectives

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

- Identify the categories and significance of critical national infrastructure
- Analyze threats, vulnerabilities, and interdependencies across CNI sectors
- Apply risk management frameworks and national protection strategies
- Integrate cybersecurity, physical security, and continuity planning for CNI assets
- Understand policy frameworks, regulatory mandates, and public-private collaboration mechanisms

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Why Attend

- Understand how to secure infrastructure essential to national security and public safety
- Learn best practices from global standards and national resilience programs
- Gain practical tools to assess and mitigate risks to critical systems
- Enhance interagency coordination and crisis response capabilities
- Build preparedness against cyber-physical hybrid threats
- Strengthen institutional compliance with CNI regulations

Target Audience

This program is designed for:

- Infrastructure protection specialists and security professionals
- Risk managers and emergency planners
- Government regulators and policy advisors
- Cybersecurity and physical security teams
- Operators of critical infrastructure assets (e.g., energy, transport, ICT, finance)
- Business continuity and crisis management professionals

Individual Benefits

Key competencies that will be developed include:

- Risk assessment and resilience planning for critical systems
- Cross-sector knowledge of physical and cyber threat mitigation
- Familiarity with international protection frameworks (e.g., NIST, ISO, EU CIIP)
- Ability to coordinate among stakeholders during emergencies
- Enhanced compliance and regulatory understanding

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved institutional capacity to protect CNI from complex threats
- Enhanced integration of risk, security, and continuity planning
- Strengthened public-private partnerships for resilience
- Better alignment with national and international infrastructure security policies
- Reduced vulnerability and downtime in critical systems

Instructional Methodology

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

- Strategy Briefings – National CNI protection strategies, sector frameworks, and risk-based approaches
- Case Studies – Analysis of real-world disruptions to infrastructure and lessons learned
- Workshops – Simulations and tools for risk mapping and security planning
- Peer Exchange – Cross-sector dialogues on protecting interconnected systems
- Tools – Templates for risk registers, response plans, and critical asset assessments

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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: Understanding and Assessing Critical National Infrastructure

- Module 1: Introduction to CNI and Threat Landscape (07:30 – 09:30) • Defining critical infrastructure and its national importance • Overview of threats: cyber, terrorism, climate, and insider risks • Recent disruptions and global case studies
- Module 2: Risk Assessment & Vulnerability Mapping (09:45 – 11:15) • Identifying and prioritizing critical assets • Vulnerability assessment methodologies • Interdependencies and cascading failure risks
- Module 3: National Policies and Frameworks (11:30 – 01:00) • Overview of national CNI protection strategies (e.g., US PPD-21, UK NIS, EU Directive) • Regulatory mandates and compliance • Coordinating with security and intelligence agencies
- Module 4: Interactive Workshop: CNI Risk Scenario (02:00 – 03:30) • Group simulation: multi-sector CNI disruption • Risk mitigation discussion and stakeholder mapping

Day 2: Protecting Infrastructure Through Integration and Resilience Planning

- Module 5: Physical and Cyber Security Integration (07:30 – 09:30) • Converging physical security and cybersecurity strategies • Access control, surveillance, and SCADA protection • Case studies of hybrid attacks on infrastructure
- Module 6: Business Continuity and Incident Response (09:45 – 11:15) • Crisis response planning for infrastructure operators • Designing resilient operations and recovery plans • Communication during infrastructure failures
- Module 7: Public-Private Collaboration for CNI Protection (11:30 – 01:00) • Stakeholder engagement and partnership models • Information sharing platforms (e.g., ISACs, national CERTs) • Private sector roles in public infrastructure security
- Module 8: Final Planning Exercise & Course Wrap-Up (02:00 – 03:30) • Group presentation: CNI protection strategy for a simulated sector • Expert feedback and final Q&A • Action planning and takeaways

Certification

Participants will receive a Certificate of Completion in Critical National Infrastructure Protection, confirming their expertise in safeguarding essential services through integrated risk management, regulatory compliance, and national resilience strategies.

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.

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