Global Horizon
TRAINING CENTER

Training Course:
Cybersecurity Monitoring, Event Management, and Incident Response in Intelligent Transportation Systems

28 September - 2 October 2026

Kuala Lumpur (Malaysia)

Training Course:
Cybersecurity Monitoring, Event Management, and Incident Response in Intelligent Transportation Systems

Training Course code: IT234646 From: 28 September - 2 October 2026 Venue: Kuala Lumpur (Malaysia) - Training Course Fees: 6300 Euro

Introduction

This Cybersecurity Monitoring, Event Management, and Incident Response in Intelligent Transportation Systems training course cover the most important activities to be performed in a strong defense system against cyberattacks to an ITS. After the recent supply chain attack on cybersecurity companies in the USA such as SolarWinds early in December 2020, cyberspace and all it entails including ITS is no longer the same. The SolarWinds cybersecurity breach is perhaps the major one thus far and has demonstrated that no system, no matter how carefully designed, is secure. The scale, significance, and damage of this incident is huge and will likely grow as more details of the breach being discovered.

Although the SolarWinds breach affected only the confidentiality of data, it is just a matter of time before other security properties such as application-related data integrity are also compromised by similar attacks. If data integrity related to any physical real-world functionality such as the ITS infrastructure is compromised this can lead to disastrous consequences in the industry. Cybersecurity requires resilience as well as strong defenses and delegates attending this training course will get a deep understanding of crucial steps to achieve such generic requirements in an ITS environment.

This training course will highlight:

- The ITS Environment and Architecture
- Role of Enterprises, IT, Infrastructure, Autonomous vehicles, Communications, and Data
- ITS Cybersecurity Threats, Vulnerabilities, Risk Assessment and Mitigation
- ITS information monitoring and Incident Response
- Most significant ITS and Cybersecurity Standards
- Current and Future Cybersecurity Practices

Course Objectives

At the end of this training course, you will learn to:

- Understand the ITS environment and explain its architecture
- List and explain various ITS Cybersecurity Threats and Vulnerabilities
- Perform an ITS Cybersecurity Risk Assessment and develop mitigation strategies
- Develop an ITS monitoring and incident response plan
- List and analyze the most important current and future practices of strong defenses
- List and understand the most significant ITS and Cybersecurity Standards

Target Audience

This training course is designed for all the people involved in operations, software, services, mobility ITS infrastructure, traffic and transport planning and organization, IT experts, as well as researchers and consultants involved in cybersecurity, management, big data, communications, project management, and intelligent transport mobility.

This training course is suitable for a wide range of professionals but will greatly benefit:

- IT and Cybersecurity Professionals
- Operators and Professionals of Transport Systems
- City governments Involved in Transport Systems
- Enterprises involved in the design of Transport Systems
- Project Managers
- Technology Engineers, Chief Technology Officers CTOs, and Chief Information Officers CIOs
- Strategic Development Personnel
- Transport Operators, Engineers, Managers, and Researchers

- ITS and Cybersecurity Industry Consultants

Course Outlines

DAY 1

Cybersecurity & Intelligent Transportation ITS System Environment

- How cyber-attacks happen
- Industries affected
- The Intelligent Transportation System ITS Environment
- Role of Autonomous vehicles
- ITS Architecture
- New mobility platforms
- A Need to Secure ITS

DAY 2

ITS models, Infrastructure, Cybersecurity Threats & Vulnerabilities

- Overview of Cybersecurity
- ITS Models: Operators
  ITS systems and infrastructure
- Communication systems, wired, wireless
- Data management, sharing, and governance
- Threats & vulnerabilities in ITS

DAY 3

ITS Cybersecurity Risk Assessment and Mitigation

- Cybersecurity Risk assessment in ITS
- Cybersecurity challenges
- Approaches in ITS cybersecurity
- Cybersecurity protection frameworks: NIST and others
- Cybersecurity Controls

DAY 4

ITS Monitoring and Incident Response

- Penetration Testing for ITS
- Cybersecurity Monitoring
- Event Management
- Incident Response
- Best practices for first responders

DAY 5

ITS & Cybersecurity Standards - Current and Future Practices

- ITS & Cybersecurity Standards
- Good Practices
- Gap Analysis
- Plan of action
- Innovative approaches: AI, blockchain

Registration form on the Training Course: Cybersecurity Monitoring, Event Management, and Incident Response in Intelligent Transportation Systems

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

Delegate Information

Full Name (Mr / Ms / Dr / Eng): .....
Position: .....
Telephone / Mobile: .....
Personal E-Mail: .....
Official E-Mail: .....

Company Information

Company Name: .....
Address: .....
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Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng): .....
Position: .....
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Payment Method

☐ Please find enclosed a cheque made payable to Global Horizon

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Telephone: +201095004484 to provisionally reserve your place.	Fax your completed registration form to: +20233379764	E-mail to us : info@gh4t.com or training@gh4t.com	Complete & return the booking form with cheque to:Global Horizon 3 Oudai street, Aldouki, Giza, Giza Governorate, Egypt.