

United Kingdom Education Center in London (UK) &
Regional Center for Consulting in Kuwait
Invite to participate in INTERNATIONAL CONFERENCE:

**" Modern Security Management and
Operations in the Oil & Gas Sector "**

Which will be held in (**Bentley London Hotel,
London, UK**)

3 days of knowledge

starting from (**04/08/2025**) to (**06/08/2025**)

Participant fees: (**1750 KD**)

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International Conference in London City (UK):

Modern Security Management and Operations in the Oil & Gas Sector

Conference Introduction

The oil and gas sector forms the backbone of global energy security and economic stability, yet it remains highly vulnerable to a wide spectrum of security threats. From physical intrusions, terrorism, theft, and sabotage to increasingly sophisticated cyber-attacks targeting SCADA systems, industrial control networks, and operational technologies (OT) – the evolving threat landscape demands modern, integrated security approaches. Traditional security models are no longer sufficient in an era where digital transformation, automation, and remote operations have expanded the attack surface of petroleum facilities. Companies now require robust, adaptive, and intelligence-driven security frameworks that integrate physical security, cybersecurity, risk management, and crisis response into unified operational strategies. This 3-Day International Conference on Modern Security Management and Operations in the Oil & Gas Sector has been designed to empower security, HSSE, and operations professionals with practical insights, strategic frameworks, and cutting-edge knowledge. Participants will:

- Learn best practices from global experts and industry leaders.
- Understand how to protect critical infrastructure against evolving threats.
- Explore the integration of AI, drones, and advanced surveillance technologies for security enhancement.
- Gain practical skills through interactive workshops and simulations, enabling them to build effective security management systems and response plans tailored to their facilities.

By attending, professionals will return with actionable strategies to strengthen the resilience, safety, and business continuity of their organizations in alignment with international security standards and compliance frameworks. This conference is not only a learning platform but also a unique opportunity to network with peers, exchange experiences, and collaborate with global experts, shaping the future of security management in the petroleum industry.

Conference Objectives

Analyse the Modern Threat Landscape

Enable participants to understand the current and emerging security threats affecting oil and gas operations globally, including terrorism, insider threats, theft, vandalism, cyber intrusions, and advanced persistent threats (APT) targeting industrial networks.

Design and Implement Integrated Security Frameworks

Equip security and operations professionals with knowledge and tools to develop and implement holistic security management systems (SMS) that integrate physical security, cybersecurity, risk assessments, and emergency response into operational workflows.

Strengthen Cybersecurity Resilience in Industrial Control Environments

Explore practical strategies to protect SCADA, DCS, and OT infrastructures from cyber attacks, ensuring safety, operational continuity, and regulatory compliance.

Enhance Physical Security and Asset Protection Measures

Learn best practices in access control, perimeter protection, surveillance systems, and facility hardening to safeguard critical petroleum infrastructure against physical intrusions and attacks.

Develop Proactive Risk Management and Threat Mitigation Plans

Provide participants with structured approaches to conduct security risk assessments, vulnerability analyses, and threat impact evaluations, enabling proactive decision-making and mitigation.

Strengthen Emergency Response and Crisis Management Capabilities

Improve participants' ability to develop, test, and implement emergency preparedness, crisis management, and business continuity plans specifically addressing security incidents.

Leverage Technology and Innovation in Security Operations

Familiarize professionals with emerging technologies such as AI-driven surveillance analytics, UAVs (drones) for security patrols, integrated command & control systems, and predictive security intelligence tools.

Foster Leadership and Strategic Thinking in Security Management

Develop participants' leadership capabilities to drive security culture, align security goals with organizational objectives, and communicate effectively with top management and regulatory authorities.

Facilitate Networking and Collaboration

Create an environment for knowledge sharing, professional networking, and collaborative problem-solving among security managers, HSSE professionals, IT/OT security specialists, and regulatory representatives.

Conference Target Audience

Security Directors, Managers, and Supervisors

Professionals responsible for developing and implementing security policies, overseeing security teams, and ensuring the protection of oil & gas assets, personnel, and operations.

HSSE (Health, Safety, Security & Environment) Professionals

Practitioners and leaders managing integrated safety and security programs to safeguard people, infrastructure, and the environment from security-related risks and incidents.

Operations Managers and Facility Supervisors

Managers overseeing daily operations in refineries, terminals, pipelines, and upstream facilities who require a deep understanding of security risks and mitigation strategies to ensure uninterrupted operations.

Asset Protection and Risk Management Specialists

Personnel focused on identifying vulnerabilities, conducting security risk assessments, and implementing measures to protect physical and digital assets across the petroleum value chain.

Emergency Response, Crisis Management, and Business Continuity Teams

Individuals tasked with preparing, coordinating, and executing response plans for security incidents, crises, or disruptions that could impact operational continuity.

IT & OT Cybersecurity Specialists

Cybersecurity professionals responsible for securing enterprise IT systems, industrial control networks (SCADA, DCS), and ensuring compliance with cybersecurity standards and regulations.

Regulatory, Government, and Critical Infrastructure Protection Representatives

Officials from government agencies, regulatory bodies, and critical infrastructure protection units involved in establishing and monitoring security standards and compliance within the oil and gas sector.

Security System Integrators and Solution Providers

Companies and professionals offering security technologies, integrated systems, and consultancy services seeking to understand industry needs and align their offerings with operational security priorities.

Academic Researchers and Trainers in Industrial Security

University professors, lecturers, and trainers involved in developing curricula or conducting research on security management, risk, and resilience in energy and petroleum sectors.

Consultants and Advisors in Energy Security

Independent professionals providing strategic advice, auditing services, or project management support for security and resilience initiatives in oil and gas operations.

Meet Our Esteemed Conference Speakers

This conference features an impressive lineup of renowned thought leaders, industry pioneers, and academics, each offering unique insights into security, creativity, and impact.

Mr. Tom P. Jack

Mr. Tom is an experienced security leader overseeing integrated security programs across multiple oil & gas installations globally. He specializes in critical infrastructure protection, strategic risk management, and operational security frameworks.

Topic: "Global Security Threats Impacting Oil & Gas Operations".

Dr. Salma F. Harahshah

Dr. Salma is an expert in industrial control system cybersecurity compliance, risk assessments, and developing OT security frameworks in large-scale petroleum operations, ensuring business continuity and regulatory adherence.

Topic: "Cybersecurity for Industrial Control Systems (ICS)".

Dr. Kenjiro G. Matsuoka

Dr. Matsuoka is a renowned academic researcher specializing in industrial security strategies, SCADA system protection, and quantitative risk analysis in energy sectors, with extensive publications and industry consultancy.

Topic: "Integrating Physical and Cyber Security for Operational Resilience".

Eng. Khalid H. Al-Masri

Eng. Khalid is a security operations specialist with a career spanning oilfields and offshore facilities. He focuses on emergency preparedness, incident response coordination, and integrated security system design.

Topic: "Emergency Response & Crisis Management for Security Incidents".

Ms. Shirin A. Tantawi

Shirin focuses on cyber threat hunting, incident response planning, and ICS cybersecurity maturity assessments for national oil companies, ensuring the protection of critical operational technologies.

Topic: "Developing Cyber Incident Response Playbooks".

Mr. Arvind S. Menon

Arvind develops and conducts security incident simulations, emergency response drills, and business continuity exercises for regional oil & gas corporations to strengthen crisis preparedness.

Topic: "Integrating Security into Emergency & Business Continuity Plans".

Conference Agenda

Day One: Security Risk Management Framework

Time	Session	Speaker
08:30 – 09:00	Registration & Morning Coffee	
09:00 – 09:15	Welcome Remarks & Conference Objectives	Conference Chairperson
09:15 – 10:00	Keynote: Global Security Threats Impacting Oil & Gas Operations - Understanding evolving global threats - Key impacts on oil & gas operations - Lessons learned from recent incidents	Mr. Tom P. Jack
10:00 – 10:45	Developing Effective Security Risk Management Frameworks - Principles of risk assessment - Identifying and prioritizing threats - Developing mitigation strategies	Mr. Tom P. Jack
10:45 – 11:15	Networking Coffee Break	
11:15 – 12:00	Cybersecurity for Industrial Control Systems (ICS) - ICS vulnerabilities and threats - Best practices for OT cybersecurity - Compliance requirements and frameworks	Dr. Salma F. Harahshah
12:00 – 12:45	Integrating Physical and Cyber Security for Operational Resilience - Bridging the physical-cyber gap - Developing integrated policies and teams - Case studies in integrated security	Dr. Kenjiro G. Matsuoka
12:45 – 13:45	Networking Lunch	
13:45 – 14:30	Emergency Response & Crisis Management for Security Incidents - Preparing effective response plans - Crisis communication and coordination - Recovery and business continuity integration	Eng. Khalid H. Al-Masri
14:30 – 15:15	Panel Discussion: Challenges in Security Risk Manag. - Addressing common barriers - Leadership roles in risk management - Audience Q&A	All Speakers
15:15 – 15:30	Closing Remarks & End of Day One	Conference Chairperson

Day Two: Addressing Issues Faced by Security

Time	Session	Speaker
08:30 – 09:00	Morning Coffee & Networking	
09:00 – 09:45	Developing Cyber Incident Response Playbooks <ul style="list-style-type: none"> - Creating effective playbooks - Defining roles and responsibilities - Testing and validating response plans 	Ms. Shirin A. Tantawi
09:45 – 10:30	Managing Insider Threats and Human Factors <ul style="list-style-type: none"> - Recognising insider threat indicators - Implementing mitigation controls - Building a security-conscious culture 	Mr. Tom P. Jack
10:30 – 11:00	Networking Coffee Break	
11:00 – 11:45	Emergency Response Simulation Exercise <ul style="list-style-type: none"> - Scenario-based simulation - Group response and evaluation - Lessons learned and improvements 	Eng. Khalid H. Al-Masri & Mr. Arvind S. Menon
11:45 – 12:30	ICS Cybersecurity Compliance Strategies Workshop <ul style="list-style-type: none"> - Compliance frameworks and standards - Developing internal compliance checklists - Ensuring continuous improvement 	Dr. Salma F. Harahshah
12:30 – 13:30	Networking Lunch	
13:30 – 14:15	Integrating Security into Business Continuity Plans <ul style="list-style-type: none"> - Linking security with BCM programs - Developing continuity-focused security controls - Maintaining operations during crises 	Mr. Arvind S. Menon
14:15 – 15:00	Panel Discussion: Operational Security Issues and Solutions <ul style="list-style-type: none"> - Current operational challenges - Innovative solutions in practice - Audience Q&A 	All Speakers
15:00 – 15:15	Closing Remarks & End of Day Two	Conference Chairperson

Day Three: Overview of Security Planning and Investigations

Time	Session	Speaker
08:30 – 09:00	Morning Coffee & Networking	
09:00 – 10:30	Overview of Security Planning Strategies <ul style="list-style-type: none"> ➤ Components of a robust security plan ➤ Strategic planning processes ➤ Aligning security plans with corporate objectives 	Mr. Tom P. Jack & Dr. Kenjiro G. Matsuoka
10:30 – 11:00	Networking Coffee Break	
11:00 – 12:30	Conducting Effective Security Investigations <ul style="list-style-type: none"> ➤ Types of security investigations ➤ Investigation planning and preparation ➤ Gathering evidence and reporting findings 	Ms. Shirin A. Tantawi
12:30 – 13:30	Networking Lunch	
13:30 – 14:30	Final Panel: Future of Security Planning and Investigations in Oil & Gas <ul style="list-style-type: none"> ➤ Emerging trends and technologies ➤ Preparing for future challenges ➤ Strategic recommendations and Q&A 	All Speakers
14:30 – 15:00	Closing Ceremony & Certificate Distribution	Conference Chairperson

