MERCURY

# Regulation of Gas Infrastructures

21 – 25 March 2027
Cairo (Egypt)



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Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

# Regulation of Gas Infrastructures

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## Introduction:

The "Regulation of Gas Infrastructures" course explores the regulatory frameworks governing the natural gas sector. It emphasizes understanding the roles of various regulatory bodies and the legal frameworks that ensure safe and efficient gas operations. Participants will delve into the intricacies of gas infrastructure, encompassing production, transportation, storage, and distribution systems.

Through this Regulation of Gas Infrastructures program, professionals will gain insights into the compliance requirements and best practices essential for operating within the natural gas industry. Case studies and real-world scenarios will illustrate the application of regulatory principles in diverse contexts. Attendees will effectively navigate the complex regulatory landscape of gas infrastructure.

## Targeted Groups:

This Regulation of Gas Infrastructures training targets professionals seeking specialized knowledge and skills:

- Regulatory compliance officers in the energy sector.
- Natural gas utility managers and engineers.
- Government policymakers and energy regulators.
- Legal professionals specializing in energy law.
- Consultants advising on energy infrastructure projects.
- Environmental compliance specialists.
- Safety officers in gas operations.
- Energy sector auditors and inspectors.

## Course Objectives:

Participants will achieve the following objectives by completing the Regulation of Gas Infrastructures course:

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- Understand the foundational principles of gas infrastructure regulation.
- Identify key regulatory bodies and their roles in the gas sector.
- Analyze the legal frameworks governing the production and distribution of gas.
- Evaluate compliance requirements for gas infrastructure projects.
- Assess environmental considerations in gas operations.
- Apply regulatory knowledge to real-world scenarios in gas infrastructure.
- Develop strategies for ensuring regulatory compliance in gas projects.
- Enhance decision-making skills related to the regulation of gas infrastructure.
- Communicate effectively about regulatory issues in the gas industry.
- Stay informed about emerging trends and changes in gas regulation.

## Targeted Competencies:

Participants will gain the following competencies during the Regulation of Gas Infrastructures program:

- Comprehensive understanding of gas infrastructure regulatory frameworks.
- Ability to interpret and apply regulations to various gas operations.
- Proficiency in assessing compliance and identifying non-compliance risks.
- Skills in developing and implementing regulatory compliance strategies.
- Knowledge of environmental regulations and their impact on gas operations.
- Capability to conduct audits and inspections in line with regulatory standards.
- Expertise in preparing and reviewing regulatory documentation.
- Adeptness in navigating legal challenges related to gas infrastructure.
- Understanding of the roles and responsibilities of various regulatory bodies.
- Awareness of global regulatory trends and their implications for local operations.

## Studying Scenarios:

In this Regulation of Gas Infrastructures training, participants will develop their skills through the analysis of the following scenarios:

- Evaluating the regulatory compliance of a new gas pipeline project.
- Assessing the environmental impact of gas storage facilities.
- Reviewing safety protocols in gas distribution networks.
- Analyzing case studies of regulatory breaches and their consequences.
- Developing strategies for obtaining necessary permits and approvals.
- Simulating inspections of gas infrastructure for compliance verification.
- Debating the implications of regulatory changes on existing operations.
- Collaborating on mock audits to identify potential non-compliance issues.

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## Course Content:

### Unit 1: Introduction to Gas Infrastructure Regulation:

- Overview of the natural gas industry and its components.
- Historical development of gas infrastructure regulations.
- Key regulatory bodies and their functions.
- Legal foundations of gas infrastructure regulation.
- Importance of regulation in ensuring safety and efficiency.
- Global perspectives on gas infrastructure regulation.
- Case studies highlighting regulatory successes and challenges.
- Future trends in gas infrastructure regulation.

### Unit 2: Regulatory Frameworks and Compliance:

- Detailed examination of local, national, and international regulations.
- Permitting processes for gas infrastructure projects.
- Compliance standards and best practices.
- Roles and responsibilities of compliance officers.
- Strategies for Maintaining Compliance Throughout Project Life Cycles.
- Tools and resources for monitoring compliance.
- Case studies of compliance audits and inspections.
- Consequences of non-compliance and enforcement actions.

### Unit 3: Environmental Regulations and Impact Assessment:

- Overview of environmental regulations affecting gas operations.
- Ecological impact assessment processes.
- Mitigation strategies for ecological risks.
- Sustainable practices in gas infrastructure development.
- Role of ecological compliance specialists.
- Case studies of environmental compliance in gas projects.
- Emerging environmental concerns and regulatory responses.
- Tools for conducting environmental audits and assessments.

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## Unit 4: Safety Regulations and Risk Management:

- Safety Standards and Regulations in Gas Operations.
- Risk assessment and management techniques.
- Emergency response planning and protocols.
- Training and Certification Requirements for Safety Personnel.
- Incident investigation and reporting procedures.
- Safety audits and inspections.
- Case studies of safety incidents and lessons learned.
- Advancements in safety technologies and practices.

## Unit 5: Regulatory Challenges and Future Directions:

- Analysis of current challenges in gas infrastructure regulation.
- Impact of technological advancements on regulatory practices.
- Global regulatory harmonization efforts.
- Public Perception and Its Influence on Regulation.
- Policy development and advocacy in the gas sector.
- Preparing for future regulatory changes.
- The Role of Professionals in Shaping Regulatory Landscapes.
- Opportunities for innovation in regulatory practices.

# Final Insights & Key Takeaways:

Upon completion of the "Regulation of Gas Infrastructures" course, participants will possess a robust understanding of the regulatory frameworks governing the natural gas sector. They will navigate complex regulatory environments, ensuring compliance and promoting sustainable practices within gas infrastructure projects.