



*Training Course:
Transmission Pipeline Facilities Control Room
Operations*

*15 - 19 December 2025
Kuala Lumpur (Malaysia)
Royale Chulan Kuala Lumpur*

Training Course: Transmission Pipeline Facilities Control Room Operations

Training Course code: EN235642 From: 15 - 19 December 2025 Venue: Kuala Lumpur (Malaysia) - Royale Chulan Kuala Lumpur Training Course Fees: 6500 € Euro

Introduction

Effective operation of control rooms in transmission pipeline facilities is crucial for ensuring the safe and efficient flow of resources. This training program, crafted by Global Horizon Training Center, is aimed at equipping control room operators, engineers, and technical staff with the essential skills needed for managing complex pipeline systems, monitoring operations, and responding to critical situations effectively.

Objectives

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

- Understand the operational structure and functions of pipeline control rooms.
- Master key control systems and software used in monitoring and managing transmission pipelines.
- Apply safety and risk management protocols to prevent and respond to emergencies.
- Interpret pipeline data for effective decision-making and optimize system performance.
- Enhance communication skills to ensure coordination with different teams and stakeholders.

Course Methodology

The program will use a blend of training methods, including:

- Interactive lectures and expert presentations.
- Hands-on simulation exercises for practical application.
- Group discussions and scenario analysis for problem-solving.
- Case studies from real-world pipeline operations.
- Q&A sessions for knowledge reinforcement.

Organizational Impact

Implementing this training will:

- Improve overall safety and reliability of pipeline operations.
- Increase productivity and reduce downtime through skilled management.
- Equip staff with updated knowledge of industry regulations and compliance standards.
- Foster a proactive approach to potential operational challenges.
- Enhance collaboration across departments through improved communication.

Target Audience

This course is designed for:

- Control room operators and supervisors.
- Pipeline engineers and maintenance staff.

- Technical and operational managers.
- Safety and compliance officers.
- New recruits seeking foundational knowledge in control room operations.

Course Outline:

Day 1: Fundamentals of Pipeline Control Room Operations

- Introduction to transmission pipeline systems and their components.
- Overview of control room roles and responsibilities.
- Key control systems and interfaces used in modern operations.
- Safety protocols and compliance regulations overview.

Day 2: Monitoring and Control Systems

- Detailed analysis of SCADA Supervisory Control and Data Acquisition systems.
- Data interpretation for effective pipeline monitoring.
- Alarm management and response strategies.
- Real-time monitoring and performance optimization techniques.

Day 3: Safety and Emergency Response

- Emergency procedures and protocols in control rooms.
- Risk assessment and management strategies.
- Case studies: Handling critical incidents in real-world scenarios.
- Workshop: Developing an effective emergency response plan.

Day 4: Advanced Data Analysis and Decision-Making

- Leveraging data for predictive maintenance and system efficiency.
- Troubleshooting common operational issues.
- Communication strategies for coordinating with field teams.
- Best practices in reporting and documentation.

Day 5: Practical Applications and Scenario Simulations

- Simulated control room exercises: Applying knowledge to real-life scenarios.
- Group activity: Creating a comprehensive response plan for a pipeline disruption.
- Review of key takeaways and best practices.
- Course evaluation and feedback session.

Registration form on the Training Course: Transmission Pipeline Facilities Control Room Operations

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