



*Training Course:
Transmission Pipeline Facilities Control Room
Operations*

*20 - 24 July 2026
Cape Town (South Africa)
DoubleTree by Hilton Cape Town - Upper Eastside*

Training Course: Transmission Pipeline Facilities Control Room Operations

Training Course code: EN235642 From: 20 - 24 July 2026 Venue: Cape Town (South Africa) - DoubleTree by Hilton Cape Town - Upper Eastside Training Course Fees: 7500 € Euro

Introduction

Control rooms serve as the operational core of transmission pipeline facilities, enabling real-time monitoring, control, and coordination of pipeline systems. Operators must manage critical parameters, respond to alarms, and ensure safe and efficient operations under dynamic conditions.

This 5-day intensive training program, developed by [Global Horizon Training Center](#), provides a focused and practical understanding of control room operations in transmission pipelines. It covers SCADA systems, operational control, alarm management, safety protocols, and emergency response.

Participants will gain essential skills to operate control systems, interpret real-time data, and manage operational and emergency scenarios effectively.

Course Objectives

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

- Understand pipeline control room operations and responsibilities
- Operate and monitor SCADA systems
- Interpret pipeline data and system parameters
- Manage alarms and abnormal situations
- Apply operational procedures and safety practices
- Coordinate with field teams
- Respond effectively to emergencies

Target Audience

- Control Room Operators
- Pipeline Engineers and Supervisors
- SCADA and Automation Engineers
- Operations and Maintenance Personnel
- HSE and Safety Professionals

Outline

Day 1: Introduction to Control Room Operations & SCADA Systems

- Role of control rooms in pipeline operations
- Overview of transmission pipeline systems
- SCADA architecture and components
- HMI and data acquisition basics

Day 2: Monitoring, Data Interpretation & Operations Control

- Key pipeline parameters pressure, flow, temperature
- Real-time monitoring and trending
- Start-up, shutdown, and normal operations
- Flow and pressure control strategies

Day 3: Alarm Management & Pipeline Integrity

- Alarm systems and prioritization
- Handling abnormal conditions
- Leak detection systems LDS
- Basic integrity monitoring

Day 4: Safety, Risk Management & Emergency Response

- Hazard identification and risk assessment
- Safety procedures and compliance
- Emergency response leaks, ruptures, shutdowns
- Incident communication and coordination

Day 5: Coordination, Troubleshooting & Final Workshop

- Communication with field teams
- Shift handover and reporting procedures
- Troubleshooting operational issues
- Case studies and simulation exercises
- Final review and evaluation

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

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- Please find enclosed a cheque made payable to Global Horizon
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