
Pipeline Operations and Integrity





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Pipeline Operations and Integrity is a five-day senior management course delivered by Mars Training Centre in London, Dubai, Dammam, Istanbul, and Kuala Lumpur — designed for pipeline operators, midstream directors, and senior managers responsible for the long-life infrastructure that moves oil, gas, and liquid products.

Pipelines are the quiet backbone of the global energy system. A single major trunk pipeline can move more energy in a day than a thousand trucks; a single integrity failure can shut down a country's fuel supply for weeks. The discipline of operating pipelines safely, reliably, and commercially is one of the most underappreciated leadership challenges in the energy sector — and one of the most consequential when it fails.

This programme equips senior pipeline and midstream leaders with the structured operational, commercial, and strategic frameworks needed to run pipeline assets at executive level. You will cover pipeline systems and hydraulics at a senior literacy level, integrity management discipline, operational control rooms, regulatory frameworks, and the strategic positioning of pipeline assets in a system being reshaped by renewables and new fuels.

What You Will Learn

- Describe the principal pipeline system types and their operational characteristics.
- Analyse pipeline operational performance and throughput economics.
- Evaluate pipeline integrity management frameworks at senior level.
- Apply risk-based inspection thinking to pipeline asset decisions.
- Diagnose the principal threats to pipeline integrity and the controls against them.
- Assess control room operations, SCADA, and leak detection at senior level.
- Interpret pipeline tariff structures and commercial arrangements.
- Evaluate the regulatory frameworks governing pipeline operations.
- Lead a pipeline operations and integrity team with discipline.
- Position pipeline assets for life extension, repurposing, or retirement.

How You Will Benefit

You will leave with a structured senior-level command of pipeline operations and integrity, sharper questions for your operations and engineering teams, and a clearer framework for asset-level and portfolio-level decisions — and a Mars Certificate of Completion.

Your organisation will gain a senior pipeline leader who can run a tighter integrity programme, structure cleaner commercial arrangements with shippers, and position long-life assets credibly for the next phase of the energy system.



Who This Programme Is For

This programme is designed for senior pipeline and midstream professionals, including:

- Pipeline operations and integrity directors
- Heads of midstream assets in operating companies
- Senior commercial managers in pipeline operators
- Heads of HSE and process safety in midstream businesses
- Senior project and asset directors in pipeline systems
- Regulator and ministry officials supervising pipeline operations
- Senior in-house counsel in pipeline operators

The seniority floor is senior manager and above.