

LEADERSHIP & STRATEGIC THINKING IN THE OIL, GAS & PETROCHEMICALS INDUSTRY



GENTEX[®]
TRAINING CENTER



Introduction

Leadership & Strategic Thinking in the Oil, Gas & Petrochemicals Industry Training Course prepares leaders in energy and petrochemical organizations to think strategically in a sector defined by long cycles and heavy capital. Decisions here last decades, so leaders must weigh price volatility, regulation, safety obligation, and energy transition together. This program builds the strategic judgment that sets apart strong operators. It combines leadership practice with sector-specific strategy frameworks. As a result, participants learn to read market signals, appraise capital projects, manage risk, and align multidisciplinary teams around a shared direction. Furthermore, the course covers asset stewardship, HSE leadership, and stakeholder relations.

Leadership & Strategic Thinking in the Oil, Gas & Petrochemicals Industry Course Objectives

- Apply strategic thinking models to energy and petrochemical markets.
- Analyse industry value chains from upstream to downstream and chemicals.
- Assess price volatility, supply-demand cycles, and margin drivers.
- Apply Porter's Five Forces and PESTLE to energy market competition.
- Evaluate capital projects using NPV, IRR, and payback analysis.
- Build strategy maps and the Balanced Scorecard for asset portfolios.
- Apply risk management to operational, market, and regulatory exposures.
- Demonstrate HSE leadership using process safety principles.
- Lead multidisciplinary teams through the energy transition.
- Engage governments, partners, and communities effectively.

Course Methodology

- Facilitated sessions grounded in real energy sector cases.

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- Strategy workshops using market and competitor analysis tools.
- Investment appraisal exercises with real project economics.
- Leadership simulations for operations and safety decisions.
- Roundtable discussions on energy transition and regulation.
- Scenario planning for price and policy uncertainty.
- Structured peer review and strategic action planning.

Who Should Take This Course

- Senior managers in oil, gas, and petrochemical companies.
- Asset and operations managers in energy facilities.
- Refinery and petrochemical plant leaders.
- Strategy, planning, and business development professionals.
- HSE and process safety leaders.
- Project and capital program managers.
- Government and regulatory energy advisers.

Leadership & Strategic Thinking in the Oil, Gas & Petrochemicals Industry Course Outlines

Day 1: Strategic Thinking in the Energy Sector

- Strategic thinking versus operational planning in energy.
- Structure of the oil, gas, and petrochemical value chain.
- Upstream, midstream, downstream, and chemicals fundamentals.
- Price volatility, supply-demand cycles, and refining margins.
- The energy transition and its strategic implications.



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- Resource nationalism, OPEC dynamics, and market power.
- Case study: a strategic shift by a national oil company.

Day 2: Industry Analysis and Competitive Positioning

- Porter's Five Forces applied to energy and chemicals.
- PESTLE analysis for regulation, policy, and geopolitics.
- Competitor analysis and benchmarking against peers.
- Cost curve analysis and competitive advantage.
- Vertical integration and portfolio positioning decisions.
- Joint ventures, partnerships, and production sharing agreements.
- Workshop: analysing a petrochemical market opportunity.

Day 3: Strategy Formulation and Capital Decisions

- Setting vision and strategic objectives for asset portfolios.
- Investment appraisal with NPV, IRR, and payback methods.
- Real options thinking and staged investment.
- Risk assessment for capital and operating decisions.
- Strategy maps and the Balanced Scorecard for energy assets.
- Capital allocation across competing projects.
- Workshop: appraising and prioritising a capital project.

Day 4: Leading Operations, Safety, and People

- Leadership styles for high-hazard operations.
- Process safety leadership and safety culture models.
- Managing operational risk and asset integrity.



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- Leading multidisciplinary and multicultural teams.
- Negotiation with contractors, partners, and regulators.
- Talent development and succession in technical fields.
- Simulation: leading an operational and safety decision.

Day 5: Delivering Strategy and Leading Transition

- Translating strategy into execution roadmaps.
- Scenario planning for price and policy uncertainty.
- Managing stakeholders: governments, partners, and communities.
- Sustainability, decarbonisation, and ESG reporting.
- Change leadership through the energy transition.
- Measuring strategic performance with defined KPIs.
- Capstone: presenting a strategic plan for an energy asset.

Conclusion

By successfully completing Leadership & Strategic Thinking in the Oil, Gas & Petrochemicals Industry Training Course, participants will have acquired the knowledge to analyse energy markets, formulate sector strategy, appraise capital decisions, lead high-hazard operations safely, and guide teams through the energy transition. They will also understand how to align stakeholders and measure strategic performance with reliable indicators. Gentex Training Center delivers this program through applied workshops and expert facilitation, preparing leaders for the decisions the sector demands.





FAQs for the Leadership & Strategic Thinking in the Oil, Gas & Petrochemicals Industry course

Q1 What is the "Leadership & Strategic Thinking in the Oil, Gas & Petrochemicals Industry" course about?

It is a training program that builds strategic judgment for energy and petrochemical leaders. It covers value chain analysis, market dynamics, capital appraisal, risk management, HSE leadership, and leading the energy transition.

Q2 What are the key benefits of the "Leadership & Strategic Thinking in the Oil, Gas & Petrochemicals Industry" course?

Participants gain sharper market reading, more disciplined capital decisions, and stronger safety leadership. Organizations benefit from better portfolio choices, more resilient operations, and leaders who can align technical teams, partners, and regulators around a single strategy.

Q3 What skills will I gain from the "Leadership & Strategic Thinking in the Oil, Gas & Petrochemicals Industry" course?

Participants build energy market and value chain analysis, strategy formulation and capital appraisal, HSE and operational risk leadership, and stakeholder engagement and transition leadership.



Q4 What tools, methods, or standards are covered in the "Leadership & Strategic Thinking in the Oil, Gas & Petrochemicals Industry" course?

The course covers Porter's Five Forces, PESTLE, cost curve analysis, NPV, IRR and payback appraisal, real options thinking, strategy maps, the Balanced Scorecard, scenario planning, process safety and safety culture models, and ESG reporting frameworks.

Q5 How is the "Leadership & Strategic Thinking in the Oil, Gas & Petrochemicals Industry" course applied in real-world practice?

Learners apply it by analysing market and policy shifts, building scenario plans for price uncertainty, appraising and prioritising capital projects, strengthening process safety routines, and aligning partners and regulators around the resulting strategy.