



External Training Course

Operational Excellence: Managing Performance in the Oil, Gas & Petrochemical Industry

From 26 Aug. To 30 Aug. 2024

From 21 Oct. To 25 Oct. 2024

From 23 Dec. To 27 Dec. 2024

**Corpo Santo Lisbon Historical Hotel
Lisbon, Portugal**

**Mr. Ghanem F. Al-Otaibi
GM & Institute Owner**

☛ **Tel.: 00965 22248901**

☛ **Mob.: 00965 65548855**

☛ **Email: admin@agi-kw.com**

☛ **Fax: 00965 22204999**

☛ **Mob.: 00965 97273712**

☛ **Email: agi-kw@hotmail.com**

W/SITE: WWW.AGI-KW.COM

External Training Course:

**Operational Excellence: Managing Performance in
the Oil, Gas & Petrochemical Industry**

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INTRODUCTION

Many improvement initiatives fail due to a fragmented approach to the alignment and execution of practitioner activities. Operational Excellence (Op Ex) supports the drive for sustainable profitability and growth within your organisation by adopting a holistic approach to improvement. Operational excellence can help oil and gas companies leverage their strengths by continually improving processes, driving out costs, and paving the way for the low carbon future. Studies within the Oil and Gas Industry have reported that world class operators enjoy a range of benefits including higher facility reliability, lower maintenance costs, reduced safety incidents and an increase in utilisation of staff on value adding activities. Those operators who can successfully harness the power of continuous improvement will emerge competitive in tomorrow's shifting landscape and secure the future of global energy. This Operational Excellence training course in the Oil, Gas & Petrochemical Industry will equip you with the knowledge, skills and behavioural competencies required to support an Operational Excellence programme and contribute significantly to the bottom line of your organisation, reducing variation, defects, cycle times, lead times, waste, and costs within your operations. This Operational Excellence training course will cover:

- The Operational Excellence Toolkit for the Oil, Gas & Petrochemical Industry.
- Executing Operational Excellence Strategies Thru' Projects.
- Methodologies for Achieving Process and Operational Excellence.
- Applying Best Practices of Lean Organization.
- Leadership Practices for Cultural and Operational Transformation.

OBJECTIVES

By the end of this Operational Excellence in the Oil, Gas & Petrochemical Industry training course, participants will be able to:

- Prioritise and link improvement activities to achieve the organisation's strategic objectives.
- Manage operational performance using balanced measures and targets.
- Engage stakeholders to collectively remove waste and optimise the whole 'Value Stream'.
- Select the appropriate methods and tools within the improvement framework.
- Influence organisational culture and manage changes to support practices in OPEX.

COURSE OUTLINE

DAY 1: Operational Excellence (Op Ex) Perspectives & Strategic Approach

- The Op Ex Building Blocks, Principles, Benefits.
- Op Ex Toolkit in the Oil, Gas & Petrochemicals industry.
- Strategy Alignment and Execution Tools – McKinsey's 7S, Balanced Scorecard, Strategy Map.
- Integrated Management of Key Factors to Sustain High Oil & Gas Operational Performance.
- Development of Performance Measures in Five Imperatives for Operational Excellence in Oil and Gas Industry.
- How Op Ex enhances Environmental, Social & Governance (ESG) Compliance.
- Business Excellence vs Operational Excellence.

DAY 2: Executing Strategies for Operational Excellence Thru' Projects

- Project Overview – Project, Program, Portfolio, Benefits.
- Responsibilities and Skills of Project Managers in the Oil and Gas Industry.
- Project Pipeline Development and Prioritisation.
- Project Management Fundamentals - Lifecycle, Constraints, Body of Knowledge.
- Project's Business Case Proposal.
- Project Management Toolbox for Scope, Schedule, and Risk Planning.
- Managing Project's Lifecycle.

DAY 3: Achieving Process and Operational Excellence

- Embedding Continuous Improvement – Cycle, Philosophy, and Action Plan.
- Improving Cross-functional Processes – SIPOC, Swimlane.
- Reducing Costs of Quality (COQ).
- Applying Problem Solving and Improvement Frameworks – A3, 8D, and DMAIC.
- Selecting and Applying Improvement Tools - Idea Generation, Data Analysis, and Decision Making.
- Enhancing Process Flow with Theory of Constraints (TOC).

DAY 4: Best Practices for Lean Organization

- The Evolution of "Lean" Practices.
- Lean Management 4P (Philosophy, Process, People, Performance) Framework.
- The 14 Principles of Lean Organization.
- Finding & Eliminating Wastes.
- Optimizing Equipment Availability Thru' Total Productive Maintenance (TPM).
- Visual Management & Controls – 5S, Kanban, Andon, and Standard Work.

DAY 5: Leadership Practices for Cultural and Operational Transformation

- Analysing Elements of Corporate Culture.
- Leading Emergent Changes for Operational Excellence.
- Resolving Conflicts in Operations.
- Building Consensus Among Varying Stakeholders.
- Building High-Performing Teams.