



— Course details

## Strategic Project Risk & Decision Analysis for Energy Sector Professionals

Oil and Gas

— Seminar content

### What you will learn

#### Why Attend

Energy projects are characterized by high capital exposure, long execution timelines, and complex technical and market uncertainties. Strategic decisions made early in the project lifecycle have a direct impact on profitability, safety, and operational success.

This course equips professionals with advanced risk and decision analysis techniques to support strategic planning, investment evaluation, and project execution in uncertain environments. It enables participants to move beyond qualitative risk identification toward structured, evidence-based decision-making.

#### Course Methodology

The course is delivered through a practical and interactive approach:

— Course details

OG-012

Oil and Gas

— Upcoming seminar

**€2,250.-**

Venue

Kuala Lumpur - Malaysia

Date

1 - 5 June 2026

- Real-life energy and oil & gas case studies
- Facilitated group discussions and decision workshops
- Scenario-based simulations and strategic exercises
- Application of structured analytical frameworks
- Practical tools for immediate use in projects

## Course Objectives

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

- Apply strategic risk analysis techniques in energy projects
- Evaluate complex project decisions under uncertainty
- Integrate risk thinking into strategic planning and investment decisions
- Use structured frameworks for multi-criteria decision analysis
- Assess project alternatives based on risk-adjusted outcomes
- Improve decision quality in high-stakes environments

## Target Audience

This program is designed for:

- Project Managers and Senior Engineers
- Risk Management Professionals
- Strategy and Planning Managers
- Investment and Portfolio Analysts
- Technical and Operational Leaders in energy sector
- Professionals involved in capital project decision-making

## Target Competencies

Participants will develop competencies in:

- Strategic risk assessment and prioritization
- Decision analysis and structured thinking
- Risk-based investment evaluation
- Scenario planning and forecasting
- Multi-criteria decision-making techniques
- Communication of strategic risk insights

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## Detailed outline

### → Day 1: Strategic Risk Fundamentals in Energy Projects

- Understanding strategic risk in energy sector projects
- Sources of uncertainty in large-scale energy investments
- Risk management frameworks and governance structures
- Identifying and structuring strategic risks
- Developing a strategic risk register
- Qualitative risk analysis and prioritization techniques

### → Day 2: Quantitative Risk Analysis for Strategic Decisions

- Introduction to quantitative risk thinking
- Probability concepts applied to project risk
- Sensitivity analysis and key risk drivers
- Introduction to simulation-based thinking (Monte Carlo concepts)
- Evaluating uncertainty in cost, schedule, and performance
- Interpreting risk outputs for decision support

### → Day 3: Decision Analysis Frameworks

- Decision-making under uncertainty principles
- Decision trees and expected value analysis
- Multi-criteria decision analysis (MCDA)
- Risk appetite and strategic trade-offs
- Evaluating investment alternatives
- Case study: Energy project investment decision

### → Day 4: Scenario Planning & Strategic Risk Modeling

- Scenario development for energy projects
- Stress testing and extreme scenario analysis
- Modeling dependencies and interrelated risks
- Strategic portfolio risk considerations
- Risk mitigation and optimization strategies
- Practical workshop: scenario-based decision modeling

## Day 5: Embedding Risk into Strategic Decision-Making

- Integrating risk analysis into strategic planning
- Governance and executive risk reporting
- Communicating uncertainty to senior stakeholders
- Enhancing decision quality in capital projects
- Industry best practices from energy sector
- Final case study and group presentations

### Dates and locations

## Available seminar dates

16 dates

### Presence seminar dates

Date	City	Duration	Price
1 - 5 June 2026	Kuala Lumpur - Malaysia	5 Days	€2,250.-
8 - 12 June 2026	Paris - France	5 Days	€4,400.-
15 - 19 June 2026	Barcelona - Spain	5 Days	€4,200.-
6 - 10 July 2026	Munich - Germany	5 Days	€4,250.-
20 - 24 July 2026	Kuala Lumpur - Malaysia	5 Days	€2,250.-
3 - 7 August 2026	Amsterdam - Netherlands	5 Days	€4,200.-
10 - 14 August 2026	London - U.K	5 Days	€4,250.-
7 - 11 September 2026	Paris - France	5 Days	€4,400.-

Date	City	Duration	Price
14 - 18 September 2026	London - U.K	5 Days	€3,850.-
5 - 9 October 2026	Amsterdam - Netherlands	5 Days	€4,250.-
12 - 16 October 2026	London - U.K	5 Days	€3,850.-
9 - 13 November 2026	Barcelona - Spain	5 Days	€4,250.-
16 - 20 November 2026	Kuala Lumpur - Malaysia	5 Days	€2,850.-
7 - 11 December 2026	London - U.K	5 Days	€4,250.-
14 - 18 December 2026	Barcelona - Spain	5 Days	€4,250.-
21 - 25 December 2026	Vienna - Austria	5 Days	€4,200.-

## Online seminar dates

Date	Format	Duration	Price
1 - 5 June 2026	Live online	5 Days	€1,850.-
8 - 12 June 2026	Live online	5 Days	€1,850.-
15 - 19 June 2026	Live online	5 Days	€1,850.-
6 - 10 July 2026	Live online	5 Days	€1,850.-
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