

Project Economics, Risk & Decision Analysis Training Course

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Los Angeles (USA)

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Day 2: Economic Indicators and Project Evaluation

- Net Present Value and Internal Rate of Return.
- Payback period and profitability index.
- Project ranking and screening techniques.
- Sensitivity analysis.

Day 3: Risk Analysis and Management

- Types of risks in oil and gas projects.
- Probability concepts and expected value.
- Decision tree analysis.
- Monte Carlo simulation.

Day 4: Decision-Making Under Uncertainty

- Value of information analysis.
- Portfolio theory and optimization.
- Real options analysis.
- Risk mitigation strategies.

Day 5: Applied Project Economics

- Economic evaluation of exploration projects.
- Production sharing agreements and fiscal regimes.
- Integrated economic modeling for field development.
- Case study: Full-cycle economic analysis.

Individual Impact

- Strengthen your ability to build and interpret economic models for oil and gas projects.
- Enhance your skills in project evaluation, uncertainty analysis, and investment screening.
- Build stronger capability in using risk analysis tools to support better decisions.
- Gain practical confidence in applying project economics to real industry scenarios.

Work Impact

- Improve the quality of project evaluation and capital allocation decisions.
- Strengthen risk-informed decision-making across oil and gas investments.
- Support better comparison of development options, fiscal structures, and project outcomes.
- Enhance the organization's ability to evaluate uncertainty and improve investment performance.

A decorative graphic at the bottom right of the page shows a chessboard with several chess pieces. A large gold king piece is prominent in the foreground, with a silver pawn and a gold pawn behind it. In the background, there are concentric circles and the text 'UK Training PARTNER' in a bold, sans-serif font.

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Training Methodology

This program integrates petroleum economics, risk assessment techniques, and practical application to ensure real-world relevance and professional impact. Learning methods include:

- Real-world case studies on oil and gas project evaluation and investment decisions.
- Practical exercises in cash flow modeling, economic indicators, and sensitivity testing.
- Interactive workshops on decision trees, Monte Carlo simulation, and uncertainty analysis.
- Group discussions on fiscal regimes, project screening, and risk mitigation approaches.
- Frameworks and tools for applying project economics and risk analysis in oil and gas environments.

Beyond the Course

Upon completion, participants will be better equipped to evaluate oil and gas projects with greater confidence, analytical rigor, and commercial awareness. They will return ready to:

- Build stronger economic models for project assessment.
- Apply risk analysis techniques more effectively in uncertain project environments.
- Support better investment and portfolio decisions in oil and gas operations.
- Contribute to more disciplined and value-focused project decision-making.

A graphic of a chessboard with several chess pieces. A large gold king piece is in the foreground, with a silver pawn and a silver knight behind it. In the background, there are concentric circles and the text 'UK Training PARTNER'.

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