ENERGY INSURANCE AND RISK MANAGEMENT



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Introduction

Energy Insurance and Risk Management Training Course builds the insurance and risk transfer capability that energy risk managers, brokers, and finance officers need to protect high-value energy assets. Energy risks are large, correlated, and technically complex. A single event can damage a platform, a refinery, or a wind farm and interrupt revenue for months. Insurance responds to those exposures, but only when coverage, valuations, and wordings match the actual risk. Weak practice there produces denied claims, underinsurance, and unexpected retention costs. This course develops the discipline that prevents those outcomes. It covers risk identification, policy design, and claims handling. Furthermore, it applies underwriting, coverage structuring, and captive strategies. In addition, it develops loss control, valuation, and renewal management. As a result, participants manage energy insurance and risk with confidence.

Energy Insurance and Risk Management Course Objectives

- Explain energy risk exposures across upstream, midstream, and power.
- Apply risk identification, assessment, and quantification methods.
- Distinguish property, business interruption, and liability covers.
- Apply policy wording, exclusions, and coverage interpretation skills.
- Apply asset valuation methods and declared value accuracy.
- Apply loss control, engineering survey, and risk improvement practice.
- Evaluate deductibles, limits, and retention strategy design.
- Assess reinsurance, facultative, and captive options.
- Manage claims preparation, adjustment, and settlement.
- Plan renewals, market submissions, and broker management.

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Course Methodology

- Interactive lectures with real energy insurance and claims cases.
- Risk assessment and policy wording review workshops.
- Valuation, coverage structure, and retention exercises.
- Claims preparation and renewal submission practice.
- Structured peer review with facilitator feedback on coverage designs.

Who Should Take This Course

- Energy risk managers and insurance officers.
- Insurance brokers covering energy portfolios.
- Underwriters assessing energy risks.
- Finance and treasury professionals in energy firms.
- Loss adjusters and claims specialists.
- Legal advisors on energy insurance contracts.

Energy Insurance and Risk Management Course Outlines

Day 1: Energy Risk Landscape and Exposure Identification

- Energy risk exposures across upstream, midstream, and power.
- Physical damage, business interruption, and liability exposure types.
- Construction, operational, and decommissioning phase risks.

- Natural catastrophe, weather, and accumulation exposure.
- Political, contractual, and credit risk interfaces.
- Risk registers and risk mapping techniques.
- Case study: mapping risk exposures for an energy asset portfolio.

Day 2: Insurance Programmes and Policy Design

- Property damage and machinery breakdown coverage.
- Business interruption, delay in start-up, and contingent BI.
- Third-party liability, environmental, and pollution liability.
- Control of well and operator's extra expense coverage.
- Policy wording, exclusions, warranties, and conditions.
- Layering, limits, and deductible structures.
- Workshop: designing an insurance programme for an energy asset.

Day 3: Valuation, Underwriting, and Loss Control

- Asset valuation methods and replacement cost assessment.
- Declared value accuracy and average clause implications.
- Underwriting information, surveys, and engineering reports.
- Risk improvement recommendations and their pricing effect.
- Loss prevention, fire protection, and security measures.
- Business continuity planning for energy operations.
- Workshop: preparing an underwriting submission pack.

Day 4: Captives, Reinsurance, and Retention Strategy

- Retention analysis and deductible optimisation.

- Captive insurance design and feasibility assessment.
- Reinsurance: proportional, non-proportional, and facultative.
- Fronting arrangements and local admitted requirements.
- Alternative risk transfer and parametric solutions.
- Financial reporting of insurance and captive operations.
- Workshop: evaluating a captive and reinsurance structure.

Day 5: Claims Management and Renewal Process

- Claim notification procedures and documentation standards.
- Loss adjustment, surveyor engagement, and quantification.
- Business interruption claim calculation and proof of loss.
- Dispute resolution and coverage conflict handling.
- Renewal planning, market submissions, and negotiation.
- Broker performance management and programme review.
- Course review, assessment, and action planning.

Conclusion

By successfully completing Energy Insurance and Risk Management, participants will gain a thorough understanding of energy risk exposures, insurance programme and policy design, valuation, underwriting and loss control, captives, reinsurance and retention strategy, and claims management and renewal processes. They will also acquire practical skills in energy risk identification and exposure assessment, insurance programme and policy wording design, asset valuation, underwriting and loss control, and captive, reinsurance, claims and renewal management. In addition, the course prepares them to protect energy assets with coverage that matches actual exposure. Gentex Training Center delivers this programme with a strong focus on applied energy insurance practice and defensible coverage design.

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FAQs for Energy Insurance and Risk Management course

Q1 What is the "Energy Insurance and Risk Management" course about?

It is a five-day programme on protecting energy assets through insurance and risk transfer. It covers energy risk exposures, insurance programme and policy design, valuation, underwriting and loss control, captives, reinsurance and retention, and claims management and renewals.

Q2 What are the key benefits of the "Energy Insurance and Risk Management" course?

Participants protect energy assets with coverage that matches real exposure. The course improves risk identification and mapping, sharpens policy wording and exclusion analysis, strengthens valuation and declared value accuracy, improves retention and captive strategy, and raises claims preparation and renewal negotiation quality.

Q3 What skills will I gain from the "Energy Insurance and Risk Management" course?

Participants gain energy risk identification and exposure assessment, insurance programme and policy wording design, asset valuation, underwriting and loss control, and captive, reinsurance, claims and renewal management. These four skills cover the practical core of energy insurance and risk work.

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Q4 What tools, methods, or standards are covered in the "Energy Insurance and Risk Management" course?

The course covers physical damage, business interruption and liability exposure types, construction, operational and decommissioning phase risks, natural catastrophe and accumulation analysis, political, contractual and credit risk interfaces, risk registers and risk mapping, property damage and machinery breakdown coverage, business interruption and delay in start-up cover, contingent business interruption, third-party liability and pollution liability, control of well and operator's extra expense, policy wording, exclusions, warranties and conditions analysis, layering, limits and deductible structures, asset valuation and replacement cost assessment, declared value accuracy and average clause implications, underwriting information, surveys and engineering reports, risk improvement recommendations, loss prevention and fire protection measures, business continuity planning, retention analysis and deductible optimisation, captive insurance design and feasibility, proportional, non-proportional and facultative reinsurance, fronting arrangements and local admitted requirements, alternative risk transfer and parametric solutions, insurance and captive financial reporting, claim notification and documentation standards, loss adjustment and surveyor engagement, business interruption claim calculation, proof of loss preparation, coverage dispute resolution, renewal planning and market submissions, and broker performance management.

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Q5 How is the "Energy Insurance and Risk Management" course applied in real-world practice?

Participants apply the methods to real and simulated energy portfolios. They map risk exposures and build risk registers, design insurance programmes with layering and deductibles, review policy wordings and exclusions, assess asset valuations and declared values, prepare underwriting submission packs, recommend loss control measures, analyse retention and captive options, evaluate reinsurance structures, prepare and quantify claims including business interruption, handle coverage disputes, and plan renewals and market submissions. Many leave with a risk register template, an insurance programme design framework, and a claims preparation checklist ready to use.