FINANCING OF ENERGY PROJECTS



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TRAINING CENTER

GENTEX Training Center LLC | Orlando - FL, USA
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Introduction

Financing of Energy Projects Training Course develops the skills that finance, banking and project professionals need to structure and close large energy investments. Participants learn how to build a bankable financial model, size debt correctly and negotiate with lenders and sponsors. The programme covers limited recourse structures, export credit support, Islamic finance and power purchase agreements across oil, gas, power and renewables. Furthermore, it addresses due diligence, credit approval and covenant design, which determine whether a deal reaches financial close. As a result, delegates can assess project risk, arrange funding and manage lenders through the full deal cycle. Gentex Training Center delivers the programme through live model-building and negotiation case work.

Financing of Energy Projects Course Objectives

- Structure limited recourse and non-recourse financing for energy assets.
- Build a bankable financial model covering construction, operations and debt service.
- Calculate debt sizing, debt service coverage ratio and loan life coverage ratio.
- Apply project finance appraisal tools including NPV, IRR, DSCR and LLCR.
- Evaluate sponsor support, completion guarantees and security packages.
- Compare funding sources including bank debt, bonds, export credit agencies and Islamic finance.
- Analyse power purchase agreements, offtake contracts and tariff structures.
- Assess currency, interest rate and political risk in cross-border energy deals.
- Negotiate term sheets, covenants and drawdown conditions with lenders.
- Manage the path to financial close, including conditions precedent and due diligence.

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Course Methodology

The course combines expert briefings with hands-on model-building workshops, lender negotiation simulations and live deal case studies. Participants build project finance models, run debt sizing scenarios and defend terms in mock credit committee sessions. In addition, structured peer review and group debate sharpen commercial judgement, and every day closes with an applied deal task.

Who Should Take This Course

- Project finance and corporate finance analysts.
- Bankers, credit officers and syndication professionals in energy lending.
- Sponsors, developers and infrastructure investors.
- Treasury, legal and transaction advisory staff.
- Energy company finance and commercial managers.
- Export credit, development finance and Islamic finance professionals.

Financing of Energy Projects Course Outlines

Day 1: Project Finance Foundations and Energy Deal Structures

- Limited recourse versus corporate financing in energy projects.
- The project finance structure: sponsors, lenders, offtakers and contractors.
- Risk allocation through concession agreements, SPVs and security packages.
- Sector differences across oil and gas, power generation and renewables.
- Role of the debt service reserve account and cash waterfall.

- Key documentation: term sheet, facility agreement and intercreditor deed.
- Workshop: mapping the structure and parties of a live energy deal.

Day 2: Bankable Financial Modelling and Debt Sizing

- Building a project finance model from construction to operations.
- Modelling capex drawdown, contingency and interest during construction.
- Operating cash flow, debt service and distribution waterfalls.
- Calculating debt service coverage ratio and loan life coverage ratio.
- Debt sizing techniques: sculpted debt and target DSCR approach.
- Sensitivity and scenario testing across price, volume and cost drivers.
- Workshop: building and sizing debt in a project finance model.

Day 3: Funding Sources and Credit Enhancement

- Commercial bank debt, syndication and club deal structures.
- Bond financing, private placement and institutional investor participation.
- Export credit agency cover, political risk insurance and multilateral support.
- Islamic finance structures: murabaha, ijara and sukuk for energy assets.
- Sponsor support, equity bridge loans and mezzanine funding.
- Credit enhancement, guarantees and covenant packages.
- Workshop: comparing and blending funding sources for one project.

Day 4: Contracts, Risk Allocation and Due Diligence

- Power purchase agreements, offtake arrangements and tariff mechanisms.
- Engineering, procurement and construction contracts and liquidated damages.
- Operations and maintenance agreements and performance guarantees.

- Currency, interest rate and commodity hedging strategies.
- Due diligence workstreams: technical, legal, tax, insurance and environmental.
- Environmental, social and governance requirements in energy lending.
- Workshop: negotiating key terms of a term sheet with lenders.

Day 5: Financial Close, Negotiation and Portfolio Management

- Conditions precedent, drawdown mechanics and closing checklist.
- Credit committee approval and lender negotiation strategy.
- Monitoring covenants, waivers and refinancing over the asset life.
- Restructuring and workout approaches for distressed energy projects.
- Secondary market sales, refinancing and portfolio optimisation.
- Preparing an investment memorandum and presenting to a credit committee.
- Workshop: defending a full financing proposal before a mock credit committee.

Conclusion

By successfully completing Financing of Energy Projects Training Course, participants will have acquired the knowledge to structure, model and negotiate funding for energy assets. They will understand limited recourse structures, debt sizing, coverage ratios, risk allocation and financial close mechanics, and they will know how to bring lenders and sponsors to agreement. As a result, delegates contribute directly to bankable, well-priced deals. Gentex Training Center builds the programme around current project finance practice.

FAQs for the Financing of Energy Projects course

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Q1 What is the "Financing of Energy Projects" course about?

It teaches how to raise and structure funding for energy assets. You learn limited recourse structures, bankable modelling, debt sizing, lender negotiation and financial close mechanics across oil, gas, power and renewable projects.

Q2 What are the key benefits of the "Financing of Energy Projects" course?

You gain the ability to build bankable models and size debt correctly, which speeds up credit approval. You also strengthen risk allocation, negotiate better terms, and reduce the chance of costly renegotiation after financial close.

Q3 What skills will I gain from the "Financing of Energy Projects" course?

You will gain energy project finance structuring, bankable financial modelling and debt sizing, coverage ratio and risk analysis, and lender negotiation and financial close management.

Q4 What tools, methods, or standards are covered in the "Financing of Energy Projects" course?

The course covers project finance modelling with NPV, IRR, DSCR and LLCR calculations, sculpted debt sizing, cash waterfall and debt service reserve structures, export credit agency and multilateral support, Islamic finance structures such as murabaha, ijara and sukuk, and power purchase agreement analysis.

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Q5 How is the "Financing of Energy Projects" course applied in real-world practice?

Graduates apply it to prepare bankable models for lenders, structure debt and equity packages, negotiate term sheets and covenants, support due diligence workstreams, manage conditions precedent to financial close, and monitor covenants through construction and operations.