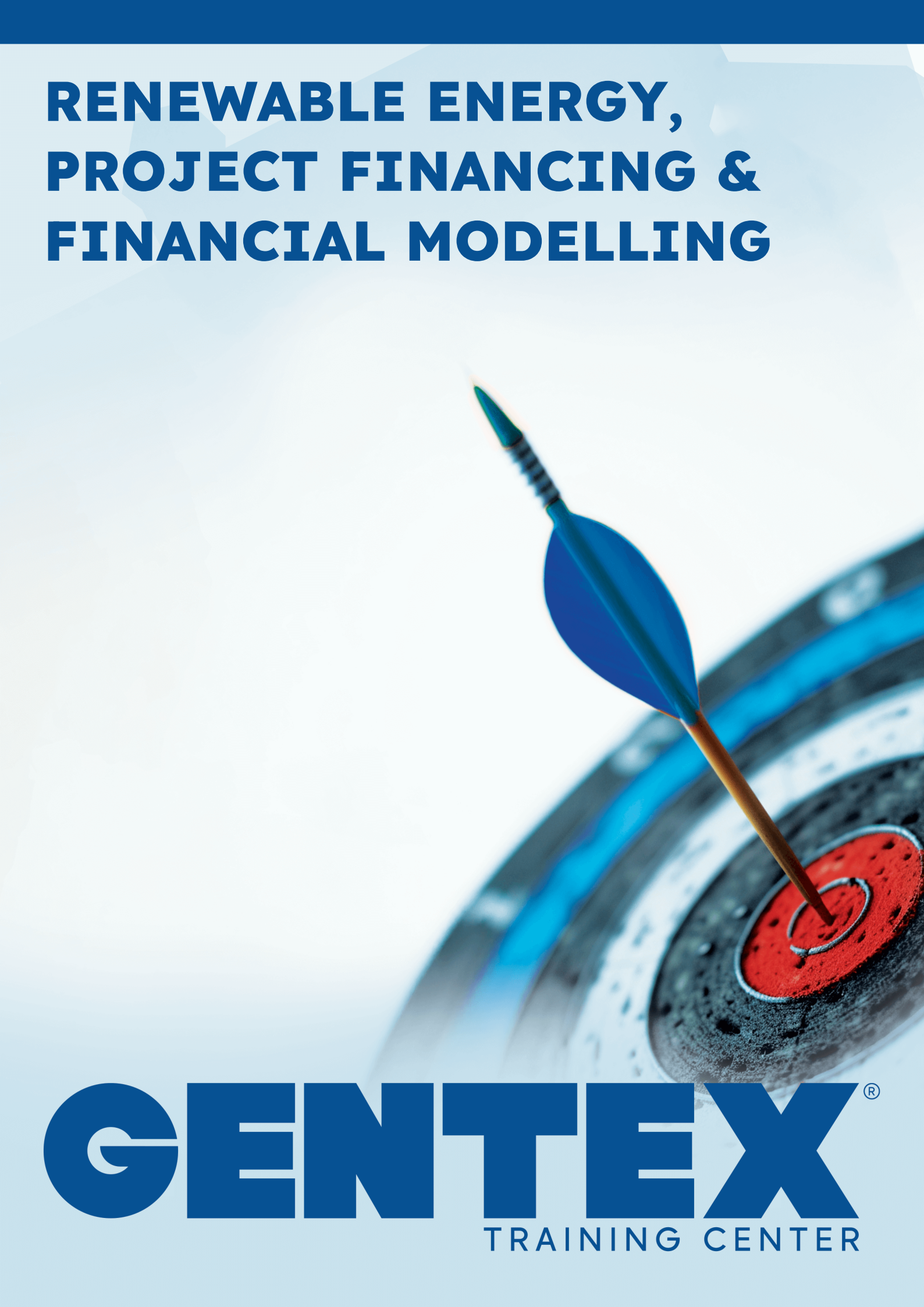
RENEWABLE ENERGY, PROJECT FINANCING & FINANCIAL MODELLING



GENTEX®
TRAINING CENTER

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Introduction

Renewable Energy, Project Financing & Financial Modelling Training Course joins the technology, the funding structure and the model that hold a renewable project together. Participants learn how a solar or wind scheme reaches financial close, and how the model must be built to support that process. The programme covers project structuring, limited recourse financing, debt sizing, power purchase agreements, tax and incentive structures, and Excel modelling discipline. Furthermore, it addresses due diligence, covenant testing, refinancing and distressed asset situations. As a result, delegates can structure a renewable financing and build a model that survives lender scrutiny. Gentex Training Center delivers the programme through extended Excel workshops and live transaction case work.

Renewable Energy, Project Financing & Financial Modelling Course Objectives

- Explain renewable energy project structures and contracting frameworks.
- Apply limited recourse financing principles to energy assets.
- Build renewable project cash flow models in Microsoft Excel.
- Model revenue from power purchase agreements, tariffs and merchant sales.
- Construct debt schedules with drawdown, interest and repayment.
- Size debt using debt service coverage ratio and gearing targets.
- Apply tax equity, grant and blended finance structures.
- Assess risk allocation among sponsors, lenders and contractors.
- Test models with sensitivity, scenario and Monte Carlo analysis.
- Manage financial close, covenant monitoring and refinancing routes.

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Course Methodology

The course combines technical briefings with extended hands-on Excel workshops and live transaction case studies. Participants build a full project finance model, size debt, run sensitivity analysis and work through a financial close checklist. In addition, structured peer review sharpens judgement, and each day closes with an applied modelling task.

Who Should Take This Course

- Renewable project finance and structured finance professionals.
- Energy company finance, planning and commercial teams.
- Investment analysts and infrastructure fund staff.
- Lenders, credit analysts and advisers on energy transactions.
- Developers and sponsors of solar, wind and storage projects.
- Consultants and engineers supporting project financing.

Renewable Energy, Project Financing & Financial Modelling Course Outlines

Day 1: Project Structures and Contracting Frameworks

- Renewable technology overview: solar, onshore and offshore wind, storage.
- Special purpose vehicle design and sponsor structures.
- Limited recourse and non-recourse financing principles.
- Contracting framework: EPC, O&M, power purchase and grid agreements.
- Risk allocation across sponsors, lenders, contractors and offtakers.
- Support schemes and regulatory risk by jurisdiction.

- Workshop: mapping a project's contractual framework and risk allocation.

Day 2: Financial Modelling Architecture and Cash Flows

- Model architecture: inputs, calculations, outputs and navigation.
- Spreadsheet standards: colour coding, units and version control.
- Construction phase modelling and drawdown scheduling.
- Interest during construction and capitalised interest.
- Revenue modelling from tariffs, contracts and merchant prices.
- Operating costs, asset management fees and major maintenance.
- Workshop: building a renewable project cash flow model.

Day 3: Debt Structuring, Sizing and Covenant Testing

- Debt sizing using debt service coverage ratio targets.
- Sources and uses of funds, gearing and tenor design.
- Amortisation and sculpted repayment profiles.
- Cash sweep mechanics, reserve accounts and distribution lock-up.
- Tax equity, grant funding and blended finance structures.
- Interest rate and inflation hedging considerations.
- Workshop: sizing debt and testing covenant headroom.

Day 4: Risk Analysis, Sensitivity and Model Audit

- One-way and two-way data tables on key drivers.
- Scenario management using CHOOSE, INDEX and dropdown controls.
- Tornado charts and key value driver identification.
- Monte Carlo simulation for production, price and cost uncertainty.

- Curtailment, degradation and repowering assumptions.
- Assumption registers, error checks and model audit.
- Workshop: running sensitivity and simulation analysis on a project model.

Day 5: Due Diligence, Financial Close and Refinancing

- Due diligence workstreams: technical, legal, insurance and market.
- Term sheets, loan documentation and covenant packages.
- Conditions precedent and the financial close checklist.
- Post-close monitoring and covenant reporting.
- Refinancing, restructuring and distressed project options.
- Presenting a project financing case to lenders and committees.
- Workshop: presenting a renewable project financing case to a panel.

Conclusion

By successfully completing Renewable Energy, Project Financing & Financial Modelling Training Course, participants will have acquired the knowledge to structure financing for renewable projects and to model them to lender standard. They will understand risk allocation, cash flow modelling, debt sizing, covenant testing, incentive structures and financial close, and they will know how to test outcomes under uncertainty. As a result, delegates take renewable transactions through to close on better terms. Gentex Training Center builds the programme around current transaction practice.

FAQs for the Renewable Energy, Project Financing & Financial Modelling course

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Q1 What is the "Renewable Energy, Project Financing & Financial Modelling" course about?

It covers how renewable projects are structured, financed and modelled. You learn contracting frameworks and risk allocation, Excel project finance modelling, revenue modelling from PPAs and merchant sales, debt sizing and covenant testing, sensitivity analysis and financial close.

Q2 What are the key benefits of the "Renewable Energy, Project Financing & Financial Modelling" course?

You gain a model built to lender standard rather than an internal estimate sheet. You also improve revenue and cost assumptions under different support schemes, size debt with covenant headroom, quantify production and price risk, and manage financial close with a clear checklist.

Q3 What skills will I gain from the "Renewable Energy, Project Financing & Financial Modelling" course?

You will gain renewable project structuring and risk allocation, renewable project finance cash flow modelling in Microsoft Excel, debt sizing, covenant testing and debt schedule construction, and sensitivity, scenario and model audit analysis for energy assets.

Q4 What tools, methods, or standards are covered in the "Renewable Energy, Project Financing & Financial Modelling" course?

The course covers special purpose vehicle and limited recourse structures, EPC, O&M, power purchase and grid connection contracting frameworks, feed-in tariff, contracts for difference and auction support schemes, Microsoft Excel functions including IF, SUMIFS, INDEX, MATCH, XLOOKUP, CHOOSE and OFFSET, construction drawdown and interest during construction modelling, debt service coverage ratio and gearing debt sizing, amortisation and sculpted repayment profiles, cash sweep and distribution lock-up tests, debt service and maintenance reserve accounts, tax equity and blended finance structures, interest rate and inflation hedging, one-way and two-way data tables, tornado charts and Monte Carlo simulation, conditions precedent checklists, and assumptions registers and model audit techniques.

Q5 How is the "Renewable Energy, Project Financing & Financial Modelling" course applied in real-world practice?

Graduates apply it to build and review renewable project finance models, negotiate power purchase agreements and term sheets, size debt against coverage targets, run technical, legal and insurance due diligence, manage conditions precedent to financial close, monitor covenants during operations, and evaluate refinancing or restructuring options on operating assets.