MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

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FINANCIAL MODELLING – PROJECT FINANCE & INFRASTRUCTURE

"Master Excel-Based Financial Models to Evaluate, Structure & Deliver Successful Project Finance Transactions"

Schedule

Date	Venue	Fees (Face-to-Face)
06 – 10 Jul 2026	Singapore	USD 3,495 per delegate
07 – 11 Sep 2026	Dubai, UAE	USD 3,495 per delegate

Introduction

In today\'s infrastructure-driven economies, financial modelling plays a critical role in analyzing the viability, risk, and return of large-scale projects. This intensive 5-day course is designed to give professionals the practical skills and frameworks to build and interpret complex financial models for project finance structures.

Participants will gain hands-on experience in developing cash flow models using Excel, analyzing project risks, structuring debt and equity, and evaluating financial metrics. The training integrates theory with real-life infrastructure case studies, empowering participants to make informed decisions in energy, transport, utilities, and public-private partnerships (PPP/PFI).

Objectives

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

- Build and audit Excel-based financial models for project finance structures
- Apply key valuation metrics (NPV, IRR, DSCR, LLCR) to assess financial viability
- Analyze cash flow waterfalls and risk allocation in infrastructure deals
- Structure optimal financing solutions including senior debt, mezzanine, and equity
- Understand key terms in loan agreements and financial covenants
- Perform sensitivity and scenario analysis for project risks and stress testing

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Why Attend

- Learn from expert practitioners with decades of project finance experience
- Apply advanced Excel modelling skills to real-world infrastructure deals
- Gain a toolkit of templates, ratio calculators, and scenario models
- Prepare for negotiations with banks, investors, and government agencies
- Enhance your career in finance, infrastructure, or capital project development

Target Audience

This program is designed for:

- Project finance professionals
- Financial analysts and modellers
- Investment bankers and advisors
- Infrastructure planners and developers
- PPP/PFI specialists
- Government and multilateral agency staff
- Corporate finance and treasury professionals

Individual Benefits

Participants will strengthen capabilities such as:

- Advanced Excel modelling and formula structuring
- Financial forecasting and feasibility analysis
- Analytical thinking for risk and scenario assessments
- Decision-making in high-value infrastructure finance
- Cross-functional coordination and communication with stakeholders

Organizational Benefits

By attending this program, organizations will benefit through:

- Improved financial decision-making in capital projects
- More reliable and transparent project assessments
- Stronger governance and risk evaluation processes
- Better stakeholder alignment through clear financial communication
- Enhanced internal capability to structure and assess PPP and large-scale infrastructure deals

Instructional Methodology

This course follows a blended learning approach combining theory with hands-on practice:

- Strategy Briefings – Frameworks on project finance, investment criteria, and stakeholder roles
- Case Studies – Real-world projects from energy, transport, and PPP sectors
- Workshops – Excel modelling labs on cash flows, debt sizing, and stress testing
- Peer Exchange – Group analysis and troubleshooting sessions Tools – Financial templates, sensitivity tables, and project scoring models

Course Outline

DETAILED 5-DAY COURSE OUTLINE

Training Hours: 7:30 AM – 3:30 PM **Daily Format:** 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Fundamentals of Project Finance & Infrastructure Modelling

- Module 1: Project Finance Principles (07:30 – 09:30) What is project finance and when is it used Stakeholder roles: sponsors, lenders, EPC, O&M, government Risk allocation principles and the importance of SPVs
- Module 2: Project Lifecycle & Model Logic Overview of infrastructure project phases Model design and layout strategies Data sources, assumptions, and documentation
- Module 3: Excel Best Practices & Structuring Inputs Dynamic modelling techniques in Excel Time-series management and flags Input sheets and scenario toggle design

Day 2: Revenue, OPEX & CAPEX Modelling

- Module 1: Revenue Forecasting Building revenue drivers and pricing models Indexation and volume assumptions Common pitfalls in revenue modelling
- Module 2: Operating and Capital Expenditures Building OPEX and CAPEX schedules Maintenance reserves and replacement planning Escalation assumptions and inflation
- Module 3: Financing Assumptions & Debt Structures Types of project finance debt and repayment profiles Sizing debt using DSCR, LLCR, and gearing Grace periods, interest during construction (IDC), and capitalized interest

Day 3: Building the Cash Flow Model

- Module 1: Cash Flow Waterfalls Priority of payments in project finance Pre-tax and post-tax cash flow structures Reserve accounts and lock-up mechanisms
- Module 2: Financial Ratios & Debt Service Coverage Calculating DSCR, LLCR, PLCR, and IRR Breakeven analysis and creditworthiness indicators Interpreting outputs for investment decision-making
- Module 3: Equity Returns & Tax Modelling Modelling equity cash flows and IRR Tax calculations (corporate, VAT, WHT) Loss carryforwards, depreciation, and tax shields

Day 4: Advanced Techniques & Risk Analysis

- Module 1: Scenario & Sensitivity Analysis Setting up sensitivity tables and switches Tornado diagrams and data tables in Excel Stress testing revenue, costs, and delays
- Module 2: Model Audit & Error Checks Error trapping formulas and circularity handling Model validation and reconciliation Building clear audit trails and version control
- Module 3: Case Study Simulation – Real Project Model Review of a live project case (e.g., solar plant, toll road) Group assignment to replicate cash flows Presentation and feedback session

Day 5: Commercial Structuring & Negotiation

- Module 1: Term Sheets & Financing Agreements Interpreting loan covenants and term sheets Understanding key clauses: cross-default, step-in rights Practical negotiation techniques with lenders
- Module 2: PPP Models and Value for Money Analysis PPP risk allocation matrix Affordability and bankability assessment Government guarantees and contingent liabilities
- Module 3: Wrap-Up and Model Enhancement Summary of modelling tools and workflows Personal action plans for continued development Final Q&A and assessment review

Certification

Participants who complete the program will receive a Certificate of Completion in Project Finance Modelling, recognizing their ability to structure, model, and analyze infrastructure deals using internationally recognized practices.

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Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation's unique goals.

In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: **+601116373203**	EMAIL: **info@mawaevents.net**