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COURSE BROCHURE

AI in Real Estate Development and Facilities Training Course

9 – 13 August 2027
Singapore

AI in Real Estate Development and Facilities Training Course

Ref: 43_1094 **Date:** 9 – 13 August 2027 **Location:** Singapore **Fees:** 9300 GBP

AI in Real Estate Development and Facilities is a 1-week training course for real estate developers, facilities managers and property asset managers, who leave with an AI roadmap for one development or facilities portfolio. Location data, valuation models and connected building systems now inform where to build, what to pay and how to run buildings. Jupiter Prime Training runs this course on AI in real estate development and facilities for those who shape property returns.

Why AI in Real Estate Development and Facilities Matters Now

Three forces shape AI in real estate development and facilities today: geospatial and market data that sharpen site and pricing decisions, smart building platforms that stream readings from HVAC, lighting and access systems, and tenants and investors who demand lower energy use. Developers and operators who use these signals pick stronger sites, price units with evidence and cut running costs; those who rely on instinct overpay for land, misjudge demand and waste energy in half-empty space. Examples come from mixed-use residential schemes and commercial office towers. Model risk is treated with ISO/IEC 42001 for AI management systems and the NIST AI Risk Management Framework AI RMF.

Who Gains Most from AI in Real Estate Development and Facilities

- Development managers responsible for site appraisal, feasibility and product mix
- Property asset managers accountable for valuation, leasing and portfolio returns
- Facilities managers who run building operations, service contracts and occupant comfort
- Energy and sustainability leads who track consumption and efficiency targets
- Investment analysts who build acquisition cases and market forecasts

The strongest gain comes when a development manager, an asset manager and a facilities manager responsible for the same portfolio attend together.

AI in Real Estate Development and Facilities Capabilities

Participants learn to bring location intelligence, valuation models and building data into one view of property performance.

- Assess candidate sites with geospatial scoring and demand forecasting — development committees
- Test automated valuation models against comparables and appraisal judgement — investment boards
- Analyse smart building data to find comfort, occupancy and space utilisation gaps — facilities leaders
- Calculate energy savings from AI-driven HVAC and lighting optimisation — sustainability sponsors
- Specify predictive facilities maintenance for critical building services — service contract managers
- Build an AI roadmap for a development or facilities portfolio with owners and measures — property leadership

Key AI in Real Estate Development and Facilities Terms

- Automated Valuation Model — a machine learning model that estimates property value from comparables, location and attributes.
- Geospatial Site Scoring — ranking candidate plots by access, demographics, competition and planning constraints.
- Building Management System — the control platform that runs and records HVAC, lighting, access and other building services.
- Space Utilisation — the share of available floor area actually used, measured through sensors or bookings.
- Energy Optimisation — adjusting building systems to occupancy, weather and tariffs to cut consumption without loss of comfort.
- Predictive Facilities Maintenance — servicing building equipment based on forecast faults rather than fixed calendars.

AI in Real Estate Development and Facilities Day by Day

Day 1: Property Data and the AI Opportunity

- Property Lifecycle From Land to Operation — Decisions AI Can Inform
- Real Estate Data Sources — Transactions, Listings, Maps and Building Systems
- Data Quality and Ownership in Property Portfolios — Readiness Checks
- Use Case Prioritisation for Developers and Operators — Value and Effort
- Tenant and Investor Expectations — Energy, Experience and Transparency

Day 2: Site Selection and Valuation

- Geospatial Site Scoring Models — Access, Demographics and Competition
- Demand and Absorption Forecasting — Product Mix and Phasing Choices
- Automated Valuation Models — Comparables, Features and Error Bands
- Rent and Price Optimisation — Leasing and Sales Strategy Decisions
- Feasibility Scenarios With AI Inputs — Go or No-Go Judgements

Day 3: Smart Building Analytics

- Building Management System Data Streams — HVAC, Lighting and Access
- Occupancy Sensing and Space Utilisation — Workplace and Layout Decisions
- Comfort and Indoor Air Quality Analytics — Occupant Experience Targets
- Fault Detection and Diagnostics for Building Services — Response Priorities
- Digital Building Dashboards — Reporting to Owners and Tenants

Day 4: Energy Optimisation and Predictive Facilities Maintenance

- Energy Baselines and Consumption Forecasts — Target Setting
- AI Control of HVAC and Lighting — Savings Versus Comfort Trade-Offs
- Predictive Maintenance for Lifts, Chillers and Pumps — Service Scheduling
- Outcome-Based Facilities Service Contracts — Performance Measures for Providers
- ISO/IEC 42001 and NIST AI RMF Controls — Property Model Risk

Day 5: Practising the AI Roadmap

- Portfolio Profile and Priority Decisions — Applying Use Case Prioritisation
- Site and Valuation Approach — Applying Geospatial and Valuation Models
- Building Operations Approach — Applying Smart Building and Energy Analytics
- Investment, Risk and Benefit Measures — Sequencing Initiatives
- AI Roadmap for the Portfolio — Presentation to Property Leadership

Applying AI in Real Estate Development and Facilities After the Course

- Score three candidate sites with a geospatial model and compare the ranking with the current appraisal view
- Extract a month of building management system data for one building and find its largest energy waste

AI in Real Estate Development and Facilities Questions FAQ

What is AI in real estate development and facilities and why does it matter now?

AI in real estate development and facilities uses location data, valuation models and building analytics to guide where to build, how to price and how to operate property. It matters now because energy costs and investor scrutiny reward evidence-based property decisions.

Which roles gain most from AI in real estate development and facilities training?

Development, asset and facilities managers, energy leads and investment analysts gain most. They appraise sites, value assets and run buildings, and must judge model outputs alongside market experience.

How does AI in real estate development and facilities training differ from a general proptech course?

It concentrates on decisions rather than products. You work with site scoring, valuation error, building data and energy savings to judge where models help, instead of surveying technology vendors and platforms.

What do you bring back from AI in real estate development and facilities training?

You bring back an AI roadmap for one development or facilities portfolio. It sets priority decisions, site and valuation methods, building operations analytics, benefit measures and the sequence of initiatives.

AI in Real Estate Development and Facilities: The Way Forward

The AI roadmap for the portfolio first informs which decision receives model support, whether site appraisal, pricing or building operations. Development, asset and facilities managers use it to sequence initiatives and assign owners. After the first valuations and energy results are compared with outcomes, revisit model assumptions, since local market and building behaviour often differ from training data.