Training course on Sustainable Real Estate Development and Investment

Professional Development Training Course Outline

Category	Real Estate Institute	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

The global real estate industry is at a pivotal juncture, recognizing that long-term value creation is intrinsically linked to environmental stewardship, social equity, and robust governance (ESG) principles. Sustainable real estate development and investment represent a paradigm shift from conventional practices, prioritizing resource efficiency, reduced environmental impact, enhanced occupant well-being, and community resilience. This approach mitigates risks associated with climate change, resource scarcity, and evolving regulations, while simultaneously unlocking new market opportunities and attracting impact-driven capital. In Nairobi, Kenya, a rapidly urbanizing hub with significant infrastructure development and a growing awareness of environmental issues, the demand for green buildings and sustainable urban planning is steadily increasing. Embracing sustainable practices is crucial for real estate professionals navigating regulatory changes, addressing housing deficits, and capitalizing on incentives for eco-friendly projects. Training Course on Sustainable Real Estate Development and Investment is meticulously designed to equip with the expert-level knowledge and practical strategies. This specialized program focuses on holistic sustainability frameworks, green building certifications (e.g., EDGE, LEED, Green Star, SGBI ? relevant in Kenya), renewable energy integration, circular economy principles, and ESG reporting, blending in-depth understanding of environmental performance metrics, social impact assessment, corporate governance best practices, and innovative green financing mechanisms, and the leveraging of real-world case studies and project finance models to drive superior financial returns, enhance brand reputation, and contribute to a resilient and equitable built environment across all real estate asset classes. This comprehensive 5-day program delves into nuanced methodologies for conducting sustainability due diligence for real estate projects, mastering advanced techniques for integrating renewable energy solutions and water conservation systems, and exploring cutting-edge approaches to developing climate-resilient properties, implementing waste reduction strategies, and measuring the social impact of real estate developments. A significant focus will be placed on understanding the interplay of various sustainable building materials (e.g., compressed earth blocks, bamboo, recycled plastics common in Kenya), the specific challenges and opportunities of sustainable development in the Kenyan context (e.g., affordable green housing, government incentives, and the role of the Kenya Green Building Society), and the application of ESG frameworks to local real estate investment strategies. By integrating global industry best

practices in sustainable real estate, analyzing **real-world examples of successful green developments and impactful investments (including pioneering projects in Nairobi and other Kenyan counties), and engaging in intensive hands-on project planning workshops, financial modeling exercises for green buildings, expert-led discussions on policy and regulations, and site visit analyses (virtual or physical where possible), attendees will develop the strategic acumen to confidently lead sustainable real estate initiatives, fostering unparalleled innovation, market differentiation, and long-term value creation, thereby securing their position as indispensable leaders in shaping a responsible and profitable future for the built environment.

Programme Curriculum

Training Course on Sustainable Real Estate Development and Investment

Introduction:

The global real estate industry is at a pivotal juncture, recognizing that **long-term value creation is intrinsically linked to environmental stewardship, social equity, and robust governance (ESG) principles.** Sustainable real estate development and investment represent a paradigm shift from conventional practices, prioritizing resource efficiency, reduced environmental impact, enhanced occupant well-being, and community resilience. This approach mitigates risks associated with climate change, resource scarcity, and evolving regulations, while simultaneously unlocking new market opportunities and attracting impact-driven capital. In Nairobi, Kenya, a rapidly urbanizing hub with significant infrastructure development and a growing awareness of environmental issues, the demand for green buildings and sustainable urban planning is steadily increasing. Embracing sustainable practices is crucial for real estate professionals navigating regulatory changes, addressing housing deficits, and capitalizing on incentives for eco-friendly projects. Training Course on Sustainable Real Estate Development and Investment is meticulously designed to equip with the expert-level knowledge and practical strategies**.** This specialized program focuses on **holistic sustainability frameworks, green building certifications (e.g., EDGE, LEED, Green Star, SGBI – relevant in Kenya), renewable energy integration, circular economy principles, and ESG reporting**, blending **in-depth understanding of environmental performance metrics, social impact assessment, corporate governance best practices, and innovative green financing mechanisms**, and the leveraging of **real-world case studies and project finance models** to drive superior financial returns, enhance brand reputation, and contribute to a resilient and equitable built environment across all real estate asset classes.

This comprehensive 5-day program delves into **nuanced methodologies** for **conducting sustainability due diligence for real estate projects,** mastering **advanced techniques for integrating renewable energy solutions and water conservation systems,** and exploring **cutting-edge approaches** to **developing climate-resilient properties, implementing waste reduction strategies, and measuring the social impact of real estate developments.** A significant focus will be placed on understanding the interplay of **various sustainable building materials (e.g., compressed earth blocks, bamboo, recycled plastics common in Kenya), the specific challenges and opportunities of sustainable development in the Kenyan context (e.g., affordable green housing, government incentives, and the role of the Kenya Green Building Society), and the application of ESG frameworks to local real estate investment strategies.** By integrating **global industry best practices in sustainable real estate,** analyzing **real-world examples of successful green developments and impactful investments (including pioneering projects in Nairobi and other Kenyan counties), and engaging in intensive hands-on **project planning workshops, financial modeling exercises for green buildings, expert-led discussions on policy and regulations, and site visit analyses (virtual or**

physical where possible), attendees will develop the **strategic acumen** to confidently lead sustainable real estate initiatives, fostering unparalleled **innovation, market differentiation, and long-term value creation**, thereby securing their position as indispensable leaders in **shaping a responsible and profitable future for the built environment.**

Course Objectives :

Upon completion of this course, participants will be able to:

1. **Analyze core principles and strategic responsibilities** of **sustainable real estate development and investment** in a global and Kenyan context.
2. **Master sophisticated techniques** for **integrating ESG (Environmental, Social, Governance) criteria** into real estate investment and development decisions.
3. **Develop robust strategies** for **designing and constructing green buildings** that achieve leading sustainability certifications (e.g., EDGE, LEED, Green Star, SGBI).
4. **Implement effective solutions** for **energy efficiency, renewable energy generation, and water conservation** in real estate projects.
5. **Manage complex real estate projects** to minimize environmental impact throughout the lifecycle, from material sourcing to waste management.
6. **Apply robust strategies** for **assessing the financial viability and ROI of sustainable real estate projects**, including green financing options.
7. **Understand the deep integration of social sustainability principles** in real estate, including community engagement and affordable housing.
8. **Leverage knowledge of climate resilience strategies** to design properties that withstand environmental risks.
9. **Optimize strategies for sustainable site selection and urban planning**, including biodiversity considerations.
10. **Formulate specialized sustainable development plans** for **different real estate asset classes** (e.g., residential, commercial, industrial).
11. **Conduct comprehensive due diligence** for sustainable real estate investments, identifying risks and opportunities.
12. **Navigate challenging situations** such as **greenwashing, regulatory complexities, and the evolving landscape of sustainable finance in real estate**.
13. **Develop a holistic, practical, and ethically conscious approach** to **sustainable real estate development and investment, with a focus on maximizing local market opportunities in Kenya and globally.**

Target Audience:

This course is designed for professionals interested in Sustainable Real Estate Development and Investment:

1. **Real Estate Developers:** Seeking to design and construct environmentally and socially responsible projects.
2. **Real Estate Investors & Fund Managers:** Aiming to integrate ESG into their portfolios and identify green investment opportunities.
3. **Asset & Property Managers:** Looking to enhance the sustainable performance and value of existing assets.
4. **Financial Institutions & Lenders:** Interested in green financing, sustainable bonds, and assessing ESG risks.

5. **Urban Planners & Policy Makers:** Shaping sustainable urban environments and regulatory frameworks.
6. **Construction Professionals:** Focusing on sustainable building materials, methods, and practices.
7. **Real Estate Consultants & Advisors:** Providing expertise on green building and ESG strategies.
8. **Anyone in the real estate sector** committed to driving sustainability and long-term value in the built environment.

Course Duration: 5 Days

Course Modules

- **Module 1: The Imperative of Sustainable Real Estate**
  - **Defining Sustainable Real Estate**: Beyond "green" – environmental, social, and economic dimensions.
  - **Global & Local Drivers**: Climate change, resource scarcity, urbanization, evolving regulations (e.g., Kenya's Environmental Strategic Plan 2023–2027).
  - **ESG (Environmental, Social, Governance) in Real Estate**: Understanding its components and increasing investor focus.
  - **Benefits of Sustainable Real Estate**: Reduced operational costs, higher property values, enhanced appeal, risk mitigation, and social impact in Kenya.
  - **Key Sustainable Development Goals (SDGs) for Real Estate**: Focusing on relevant goals.
  - **Case Study**: Examining the impact of climate change on specific real estate assets in Kenya (e.g., coastal properties, urban flood zones) and the need for sustainable solutions.
- **Module 2: Green Building Design & Certification Systems**
  - **Principles of Green Building Design**: Passive design, site orientation, natural ventilation and lighting.
  - **Leading Green Building Certifications**: In-depth look at EDGE, LEED, Green Star, and Safari Green Building Index (SGBI) – their criteria and application in Kenya.
  - **Energy Efficiency Strategies**: High-performance envelopes, efficient HVAC systems, smart building technologies.
  - **Water Conservation Techniques**: Rainwater harvesting, greywater recycling, low-flow fixtures relevant to water-scarce areas in Kenya.
  - **Sustainable Material Selection**: Understanding embodied energy, local sourcing, and popular green materials in Kenya (e.g., compressed earth blocks, bamboo, recycled plastic bricks, Timbercrete).
  - **Case Study**: Analyzing a certified green building project in Nairobi (e.g., Strathmore Business School, Britam Tower, or other local examples) and its design features and benefits.
- **Module 3: Renewable Energy Integration & Waste Management**
  - **Solar Energy in Real Estate**: Rooftop PV systems, solar water heating, economic viability and government incentives in Kenya.
  - **Other Renewable Energy Options**: Introduction to wind, geothermal, and hybrid systems for larger developments.
  - **Waste Management in Construction & Operations**: Waste reduction, recycling, reuse strategies, and circular economy principles.
  - **Pollution Prevention**: Reducing construction waste, managing hazardous materials.
  - **Lifecycle Assessment (LCA)**: Evaluating environmental impacts throughout a building's life.
  - **Case Study**: Exploring a real estate project that has successfully integrated renewable energy solutions and robust waste management practices in Kenya, discussing challenges and successes.
- **Module 4: Sustainable Site Selection & Urban Planning**

    - **Sustainable Land Use Planning**: Avoiding sensitive ecosystems, minimizing deforestation, soil erosion.
    - **Green Infrastructure**: Incorporating green spaces, permeable paving, bioswales, and urban farming.
    - **Transit-Oriented Development (TOD)**: Promoting walkability, cycling, and public transportation.
    - **Biodiversity Preservation**: Protecting and enhancing local ecosystems on development sites.
    - **Community & Transit Planning**: Enhancing quality of life for occupants through accessibility to amenities.
    - **Case Study**: Analyzing an urban development plan in Nairobi (e.g., Konza Technopolis, Tatu City, or an inner-city regeneration project) through a sustainability lens.
- **Module 5: Social Impact & Affordable Housing**
    - **Social Equity in Real Estate**: Designing inclusive developments, considering local communities.
    - **Affordable Green Housing**: Strategies for delivering sustainable housing solutions that are also affordable, crucial for Kenya's housing deficit.
    - **Health & Well-being in Buildings**: Indoor air quality, natural light, access to green spaces, wellness amenities.
    - **Community Engagement & Stakeholder Management** Involving local communities in project planning.
    - **Measuring Social Impact**: Metrics beyond financial returns (e.g., local employment, access to services).
    - **Case Study**: Examining a successful affordable housing project in Kenya that incorporates sustainable design and positive social impact.
- **Module 6: Green Real Estate Investment & Finance**
    - **The Business Case for Sustainable Real Estate**: Higher property values, lower operational costs, better tenant retention, lower vacancy rates.
    - **Green Financing Mechanisms**: Green bonds, sustainability-linked loans, ESG funds, development finance institutions in Kenya.
    - **ROI & Financial Modeling for Green Buildings**: Quantifying the financial benefits of sustainable features.
    - **Government Incentives & Policies**: Tax breaks, grants, regulatory support for green developments in Kenya.
    - **Risk Mitigation**: Reducing exposure to climate risks, regulatory changes, and reputational damage.
    - **Case Study**: Developing a financial model for a proposed sustainable residential development, demonstrating its enhanced ROI compared to a conventional project.
- **Module 7: ESG Reporting & Performance Measurement**
    - **ESG Reporting Frameworks**: GRESB, GRI, TCFD, SASB – their relevance for real estate.
    - **Key ESG Metrics for Real Estate**: Carbon emissions, energy consumption, water usage, waste diversion, social metrics (e.g., diversity, community investment), governance structures.
    - **Data Collection & Management for ESG Reporting**: Tools and best practices.
    - **ESG Due Diligence for Acquisitions**: Assessing sustainability performance of potential investments.
    - **Transparency & Disclosure**: Communicating ESG performance to stakeholders.
    - **Case Study**: Analyzing the ESG report of a leading global or regional real estate company and discussing its implications for investment decisions.
- **Module 8: Climate Resilience & Adaptive Strategies**
    - **Understanding Climate Risks in Real Estate**: Physical risks (flooding, extreme heat), transition risks (policy changes, market shifts).

- **Designing for Resilience**: Flood-resistant structures, heat-resistant materials, adaptive reuse.
- **Site-Specific Risk Assessment**: Identifying vulnerabilities of real estate assets.
- **Urban Resilience Strategies**: Creating adaptive cities and communities.
- **Role of Technology in Resilience**: Early warning systems, smart infrastructure.
- **Case Study**: Exploring a real estate project or urban area in Kenya (e.g., Nairobi River Basin, coastal regions) implementing climate adaptation strategies.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

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