



Sustainable Tourism Buildings and Infrastructure Course

22 – 26 March 2027
Singapore

Sustainable Tourism Buildings and Infrastructure Course

Ref: 534_141725 **Date:** 22 – 26 March 2027 **Location:** Singapore **Fees:** 5700 Euro

Overview

Sustainable Tourism Buildings and Infrastructure Course is a five-day intermediate course for tourism developers, hotel and resort teams, architects, engineers, facilities managers, and sustainability professionals who leave with a Green Tourism Asset Action Plan. Participants connect passive design, efficient utilities, responsible materials, circular operations, mobility, resilience, biodiversity, performance measures, suppliers, and retrofit priorities across tourism assets. Agile Leaders Training Center links sustainable tourism buildings with measurable infrastructure and operating decisions.

Who Should Attend

- Teams responsible for planning or developing hotels, resorts, attractions, and destination facilities
- Functions that design building envelopes, services, utilities, and site infrastructure
- Personnel who manage energy, water, waste, maintenance, and asset performance
- Staff who specify materials, contractors, suppliers, and operating requirements
- Leaders who prioritize sustainability investment, resilience, and environmental safeguards

The course assumes participants can interpret basic building, facility, or operational information, and it leaves out general ecotourism strategy, detailed engineering design, formal certification preparation, and legal compliance advice.

Departments and Industries

The course supports departments that plan, deliver, operate, and improve tourism buildings and infrastructure.

- Hotels, resorts, visitor attractions, and mixed-use destinations
- Architecture, engineering, construction, and project development
- Facilities, property, maintenance, and building operations
- Energy, water, wastewater, waste, mobility, and utility services
- Sustainability, procurement, risk, finance, and asset management

Learning Objectives

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



- Analyze tourism asset sustainability objectives and baselines
- Evaluate passive design, envelope, and system options
- Compare energy, water, material, and waste measures
- Prioritize resilient, biodiversity-sensitive infrastructure choices
- Build performance indicators and supplier requirements
- Develop a green tourism asset action plan

Course Agenda

Day 1: Tourism Asset Sustainability Context

- Tourism Asset Value and Stakeholder Map
- Building and Infrastructure Sustainability Objective Matrix
- Resource Flow and Environmental Aspect Register
- Asset Lifecycle and Decision-Gate Map
- Baseline, Boundary, and Performance Metric Sheet

Day 2: Passive Design and Resource Efficiency

- Climate, Orientation, Shading, and Daylight Review
- Envelope Heat-Gain and Natural-Ventilation Checklist
- Energy End-Use and Efficiency Opportunity Map
- Water Balance and Conservation Measure Register
- Building Management System Monitoring Plan

Day 3: Materials, Waste, and Circularity

- Material Embodied-Impact Screening Matrix
- Responsible Sourcing and Supplier Requirement Schedule
- Construction and Operational Waste Flow Map
- Waste Prevention, Reuse, and Recovery Hierarchy
- Wastewater, Pollution, and Hazardous-Material Control Log

Day 4: Destination Infrastructure and Resilience

- Mobility and Low-Impact Access Plan
- Utility Capacity and Service Continuity Assessment
- Climate Hazard, Exposure, and Vulnerability Matrix
- Biodiversity-Sensitive Site and Lighting Checklist
- Retrofit Priority and Investment Comparison Model



Day 5: Green Tourism Asset Practice

- Exercise: Establish an Asset Performance Baseline
- Exercise: Compare Passive and Utility Efficiency Measures
- Exercise: Map Material, Waste, and Supplier Controls
- Exercise: Rank Resilience and Retrofit Priorities
- Capstone Exercise: Green Tourism Asset Action Plan

Practical Exercises

The course uses suggested activities to convert sustainability objectives into practical tourism-asset decisions.

- Suggested activity: define boundaries, resource flows, environmental aspects, baselines, and performance indicators for a tourism property.
- Suggested activity: screen passive design, energy, water, and monitoring measures against operating needs.
- Suggested activity: set material, supplier, wastewater, pollution, waste-prevention, reuse, and recovery controls.
- Suggested activity: compare resilience, biodiversity, mobility, retrofit, cost, and implementation priorities.

FAQs

Who suits the Sustainable Tourism Buildings and Infrastructure Course?

It suits professionals who plan, deliver, operate, or improve tourism assets and assumes familiarity with basic building, facility, project, or operational information.

How does sustainable tourism building training differ from ecotourism strategy training?

Sustainable tourism building training focuses on physical assets, utilities, materials, operations, performance, resilience, and retrofit decisions, while ecotourism strategy addresses destination products, communities, visitor experiences, and conservation models.

What makes a tourism building resource efficient?

A resource-efficient tourism building combines demand reduction, passive design, efficient systems, controlled operation, monitoring, maintenance, responsible materials, water conservation, and waste prevention against a documented baseline.



How should green hotel retrofit priorities be selected?

Green hotel retrofit priorities should compare asset condition, resource use, guest and operational needs, disruption, technical feasibility, lifecycle impact, resilience, cost, dependencies, and measurable performance benefits.

Why include biodiversity in tourism infrastructure decisions?

Tourism infrastructure can affect habitats, landscapes, water, lighting, noise, access, and visitor pressure, so biodiversity considerations belong in site planning, design requirements, construction controls, and operations.

Conclusion

Participants take back a Green Tourism Asset Action Plan containing baselines, resource measures, material and supplier controls, waste flows, infrastructure dependencies, resilience safeguards, performance indicators, and retrofit priorities. The plan makes sustainability choices traceable across development and operations. It supports lower-impact tourism assets without replacing detailed engineering or certification assessment.