



Circular Built Environment Strategy and Delivery Course

2 – 6 May 2027
Langkawi

Circular Built Environment Strategy and Delivery Course

Ref: 502_139747 **Date:** 2 – 6 May 2027 **Location:** Langkawi **Fees:** 8000 Euro

Overview

Circular Built Environment Strategy and Delivery Course is a five-day advanced programme for sustainability managers, architects, civil engineers, construction project managers, asset managers, procurement specialists, and public-sector professionals. Participants connect circular principles with material flows, adaptable design, procurement, construction delivery, operations, recovery, and performance measurement, leaving with a Circular Built Environment Implementation Roadmap. Agile Leaders Training Center presents circularity as a whole-life value and delivery discipline.

Who Should Attend

- Sustainability and ESG functions shaping built-environment programmes
- Architecture and engineering teams making design and specification decisions
- Project and construction managers controlling delivery and waste prevention
- Asset and facilities managers responsible for life extension and adaptability
- Procurement and public-sector teams setting circular requirements

The course assumes experience with built assets or construction projects. It provides implementation guidance, not certification, legal advice, environmental verification, or project-specific design approval.

Departments and Industries

The course supports organisations that commission, design, construct, operate, renew, or deconstruct buildings and infrastructure.

- Real estate, architecture, engineering, and construction
- Infrastructure, transport, utilities, and industrial facilities
- Government, municipalities, and public asset owners
- Property, facilities, and portfolio management
- Materials, manufacturing, procurement, and recovery services

Learning Objectives

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



- Diagnose linear value loss across a built-asset lifecycle
- Map material stocks, flows, dependencies, and circular opportunities
- Evaluate adaptability, durability, disassembly, reuse, and recovery options
- Write circular procurement and delivery requirements
- Select indicators and evidence for circular performance governance
- Build a prioritised Circular Built Environment Implementation Roadmap

Course Agenda

Day 1: Circular Strategy and Built-Environment Systems

- Linear value loss and circular value retention
- Circular economy principles and ISO 59004 implementation context
- Buildings and infrastructure as systems of materials, assets, and services
- Lifecycle actors, incentives, constraints, and decision gates
- Circular ambition, baseline, scope, and governance charter

Day 2: Material Flows and Circular Design

- Material stock and flow mapping across asset stages
- Durability, maintainability, adaptability, and modularity
- Design for disassembly, reuse, repair, and component recovery
- Material health, provenance, and recovery constraints
- Material passports and information requirements

Day 3: Procurement and Construction Delivery

- Circular briefs, specifications, tender criteria, and supplier evidence
- Whole-life value, retained value, and option comparison
- Construction waste prevention and source separation
- Reuse inventories, take-back models, and reverse logistics
- Contract interfaces, responsibilities, assurance, and change control

Day 4: Operations Renewal and End-of-Use Pathways

- Asset utilisation, maintenance, repair, and life extension
- Space adaptation, component replacement, and refurbishment
- Deconstruction planning and pre-redevelopment audits
- Reuse, remanufacture, recycling, and safe residual pathways
- Scenario evaluation for carbon, cost, risk, and service outcomes



Day 5: Metrics Governance and Implementation

- Circular indicators, baselines, targets, and evidence quality
- Decision rights, stakeholder engagement, and supplier collaboration
- Portfolio prioritisation and implementation sequencing
- Suggested Exercise: Circular Performance Dashboard Review
- Capstone Exercise: Circular Built Environment Implementation Roadmap

Practical Exercises

The course uses suggested exercises to translate whole-life circularity into controlled built-environment decisions.

- Suggested activity: map material flows and identify points of avoidable value loss.
- Suggested activity: review a design for adaptability, disassembly, and recovery.
- Suggested activity: draft circular procurement criteria and supplier evidence requirements.
- Suggested activity: build a dashboard and prioritised implementation roadmap.

FAQs

What is a circular built environment?

It is a built system designed and managed to eliminate avoidable waste, keep products and materials in useful circulation, extend asset life, and support regenerative outcomes.

How does circularity differ from construction waste management?

Waste management addresses materials after they arise. Circularity changes planning, design, procurement, use, maintenance, adaptation, and recovery decisions so value loss is prevented earlier.

What is design for disassembly?

It is an approach that considers how components can be accessed, separated, maintained, replaced, reused, or recovered without unnecessary damage or contamination.

What evidence supports circular procurement?

Useful evidence can include composition and provenance data, durability and repair information, reuse content, take-back arrangements, recovery routes, material passports, and measurable delivery commitments.

Does the course certify compliance with ISO 59004?

No. ISO 59004 informs vocabulary and implementation thinking, but the course does not provide certification, conformity assessment, or project verification.



Conclusion

Participants return with a Circular Built Environment Implementation Roadmap linking ambition, material flows, design decisions, procurement controls, delivery practices, operations, recovery pathways, indicators, responsibilities, and review points. It provides a practical structure for protecting whole-life value while reducing resource loss.