ARCHITECTURE DESIGN

Sustainability Summit

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Is a circular built environment possible and if so, how?

1. Define the term circular-built environment and compare it to the traditional linear model of construction.

   In your answer, highlight how each model addresses resource use, waste, and carbon emissions over the building lifecycle.

2. Select or imagine a case study that successfully applies circular principles in the built environment.

   Identify two strategies used in the project (e.g., material reuse, traceability tools, or circular procurement models), and evaluate their impact on lifecycle cost, carbon outcomes, and stakeholder engagement.

3. Which of the following is an essential feature of a circular built environment?

A. Single-use construction materials and components

B. Demolition of structures without material recovery

C. Design for disassembly and reuse of building elements

D. Procurement methods based solely on initial construction cost

At the end of this panel, attendees will be able to:

- Define the term ‘circular built environment’ and explain how it differs from the traditional linear model
- Identify the challenges associated with achieving genuine circularity
- Outline the possible approaches to overcoming these challenges
- Identify real-life examples of circularity

Competency Codes: PC 31, PC 35, PC 53, PC 60

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