ARCHITECTURE DESIGN

Sustainability Summit

The below answer sheet is for your own self-assessment. Please keep your completed questionnaires and answers on file for your record. Sustainability Summit will send you a CPD certificate once your questionnaire has been submitted.

1 FORMAL CPD POINT

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Passive Solar to Regenerative and Circularity – How the Changing Focus has been Evolving and Influencing Design Outcomes

1. How has the architectural response to environmental challenges evolved over the past 50 years?

The environmental agenda has broadened from passive solar strategies focused on energy use to a wider sustainability framework encompassing climate impacts, biodiversity, decarbonisation, resilience, circularity and regenerative design.

2. Why has decarbonisation become such a critical issue for the construction and design sectors?

Decarbonisation is critical because the built environment generates emissions through both building operations and the materials and systems used to create buildings, requiring architects to consider whole-life carbon from extraction through to end-of-life.

3. What role does circularity play in the future of sustainable architecture?

Circularity moves architecture beyond a linear extract-build-dispose model by prioritising durability, adaptability, disassembly, reuse and recycling, while reducing virgin resource consumption and considering what happens to building components at the end of their useful life.

Competency Codes: PC 10, PC 31, PC 35