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

Scan to claim your CPD Certificate

Nature-Based Solutions for Urban Resilience

1. What are nature-based solutions, and how can they improve urban resilience?

Nature-based solutions use natural processes and ecosystems—such as urban forests, green roofs, wetlands, rain gardens and restored waterways—to reduce heat, manage stormwater, support biodiversity and improve urban resilience and amenity.

2. How can natural systems be integrated into established urban environments?

Integration requires a site-specific approach that considers existing infrastructure, land uses, hydrology, ecology and community needs, with opportunities including green infrastructure, increased tree canopy, water-sensitive landscapes and vegetation integrated into buildings.

3. What are the key barriers to implementing nature-based solutions in cities?

Key barriers include limited land, competing urban demands, existing infrastructure, planning requirements, upfront costs, maintenance responsibilities and uncertainty about long-term benefits, as well as the challenge of coordinating multiple stakeholders.

Competency Codes: PC 12, PC 28, PC 31