

Sustainability in Construction

Part of the 2021 Construction Series

ONLINE EVENT

24TH AUGUST 2021

IGPP Institute of Government
& Public Policy



University of
East London

About the event

In an effort to meet the net-zero 2050 target, the construction industry – which, according to the UK Green Buildings Council (GBC) contributes to approximately 40% of the UK's total carbon footprint – must seek drastic changes in sustainability. With an estimated 80% of all buildings in 2050 already having been built, decarbonising existing stock will be essential, including the retrofitting of insulation, among other strategies.

Annual carbon emissions embodied through construction are currently higher than the GBC's target for total built environment emissions by 2050. Along with road, transport infrastructure, and other aspects of civil engineering, buildings consume the largest proportion of natural resources, with the construction industry consuming around 6 tonnes of materials per year for every person living in the UK.

Our world is being strained by rapid population growth, economic development, and the need for more natural resources. We must work diligently to modify the way we build, manage, and dispose of our structures to ensure that the building industry meets the current population's needs, while also safeguarding the needs of future generations.

Why attend?

- Meet other like-minded professionals and develop new, beneficial connections
- Through the learning opportunities and sharing of best practice, you will be able to implement improvements in your workplace
- Impact the wider agenda and be part of future planning
- Be part of organisations that continue to evolve, improve and innovate
- Learn how to make the best use of key products and services that can help transform your organisational capabilities

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Agenda

- 9:00** Online Registration
- 9:30** Chair's Welcome Address
- 9:40** Keynote Address: CO2nstruct Zero - Delivering Net Zero in the Built Environment
- 10:00** Building Back Greener? – Policy, Sustainability, and Ambition in the UK Built Environment
- 10:20** Nature-Lead Innovation: Utilising Biomatter for the Built Environment (Circular Economy)
- 10:40** Questions And Answers Session
- 11:05** Break And Networking
- 11:30** Embedding Social Value as a Sustainability Practice
- 11:50** Passivhaus As A Route To Zero Carbon
- 12:10** The Challenges & Opportunities of Making Cities Sustainable, Resilient, and Inclusive
- 12:30** Questions And Answers Session
- 12:50** Panel Discussion: Innovation in Sustainable Construction
- 13:30** Chair's Summary and Close

Key speakers



Anusha Shah

Director,
Resilient Cities, Arcadis
& Vice President,
ICE



David Pinder

Chair,
Green Construction Board

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Learning outcomes

- Discover actionable insights towards a zero-waste future with circular economy
- Learn more about the benefits of offsite construction
- Examine the benefits of Passivhaus techniques and strategies for implementation
- Debate the future of 3D printed buildings
- Scrutinise proposals for new materials and building techniques vs retrofitting
- Consider economic and socio-economic benefits of improved sustainability in the sector
- Maximise efficiency within transport and infrastructure whilst reducing pollution and waste
- Embrace innovation without greenwashing by undertaking life cycle analysis and whole life costing.

Audience

This event brings together senior leaders from across the built environment, sustainability, Government, academia, and the wider public sector to hear the latest policy updates across the industry and address the challenges facing the sector in these unprecedented times.

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