

SPACES - Virtual Conference

Net Carbon Zero Climate Emergency

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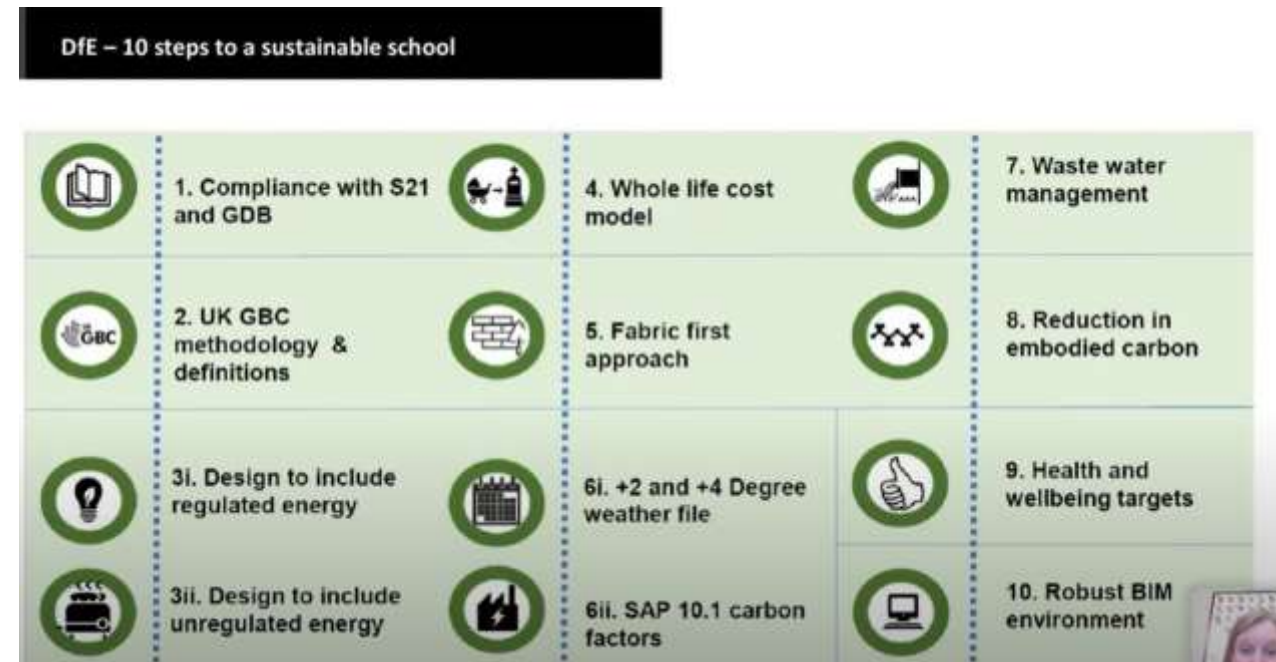
Presentations of Interest

- / Decarbonising Education – Helen Groves & John Ridgett *
- / Dame Hackitt Review - Dr Hywel Davies
- / Lifecycle of Net Zero Carbon Buildings – Alasdair Donn *
- / Enabling the delivery of Net Carbon Zero - Prof Alan Jones, President, RIBA
- / Energy and emissions data drops for RIBA Plan for use and Soft Landings projects – Dr Roderic Bunn *

Decarbonising Education

By Helen Groves & John Ridgett

- / Getting the Basics Right
- / New Builds and Existing Building Refurbishment
- / Fabric First Approach
- / Materiality
- / Listening to buildings – Match Function to Space
- / Cost Offset – Whole Life Cycle Costs
- / New Technologies
- / Estates Digital Twins



Lifecycle of Net Zero Carbon Buildings

By Alasdair Donn

- / What Net Carbon Zero Means
- / Low Energy Use
- / Passivhaus
- / Reduce Embodied Carbon
- / Low Carbon Energy Supply
- / Measurement & Verification



Energy and emissions data drops for RIBA Plan for use and Soft Landings projects

Dr Roderic Bunn

/ Soft Landings Approach – To Improve Operational Outcomes

/ Learning from Experience

/ Problems with Operational Energy – Performance Gap

/ Overpromise and Under Delivery

/ Data Exchange

As a Building Surveyor

As a Building Surveyor

Projects

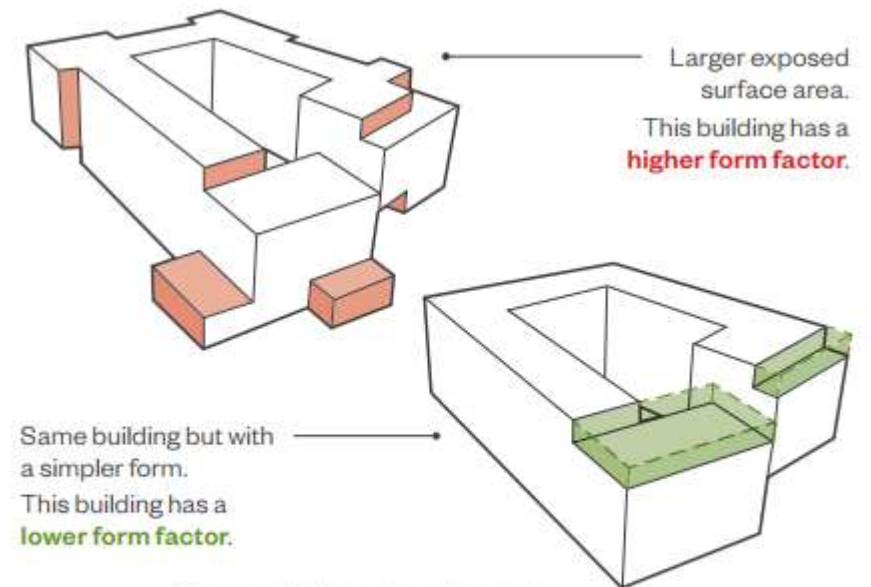
- / Maintenance Programmes
- / Fabric First
- / Life Cycle of Buildings



As a BIM Manager

As a BIM Manager

- / RIBA Plan of Work – Passivhaus
- / BIM and Net Carbon Zero
- / Right tools for the job



$$\text{Form factor} = \frac{\text{Exposed external surface area}}{\text{Gross internal floor area}}$$

As a Designer

Eye Library



- / Pre-Construction Activities
- / Digital Technologies





Thank you for listening.
Any questions?

