

# Steps toward decentralization in the built environment

Designing and operating buildings to improve energy efficiency

# Renewable Energy Association Decentralisation Conference

03 December 2024



#### We are **BAM**

At BAM, we imagine, create and enrich buildings and infrastructure across the UK & Ireland.

Our vision is to build a sustainable tomorrow. We think beyond the build and focus on the bigger impact. It's how we make the iconic buildings and infrastructure that shape our society.

And that's why we're on a mission to **make possible**.

#### **Guided by our strong values**



#### A growing multi-billion-euro business









6,743 Employees









13,897 Employees



### Focus: 3 stages of a typical 'building lifecycle'

1

#### **New buildings**

A clean sheet for high performing built environment



2

#### 'Deep' refurbishment

Re-imagining exiting structures and securing low embodied carbon



3

#### Multi-step 'lifecycle'

Existing built environment is improved based on a decarbonisation plan coordinated with lifecycle replacement

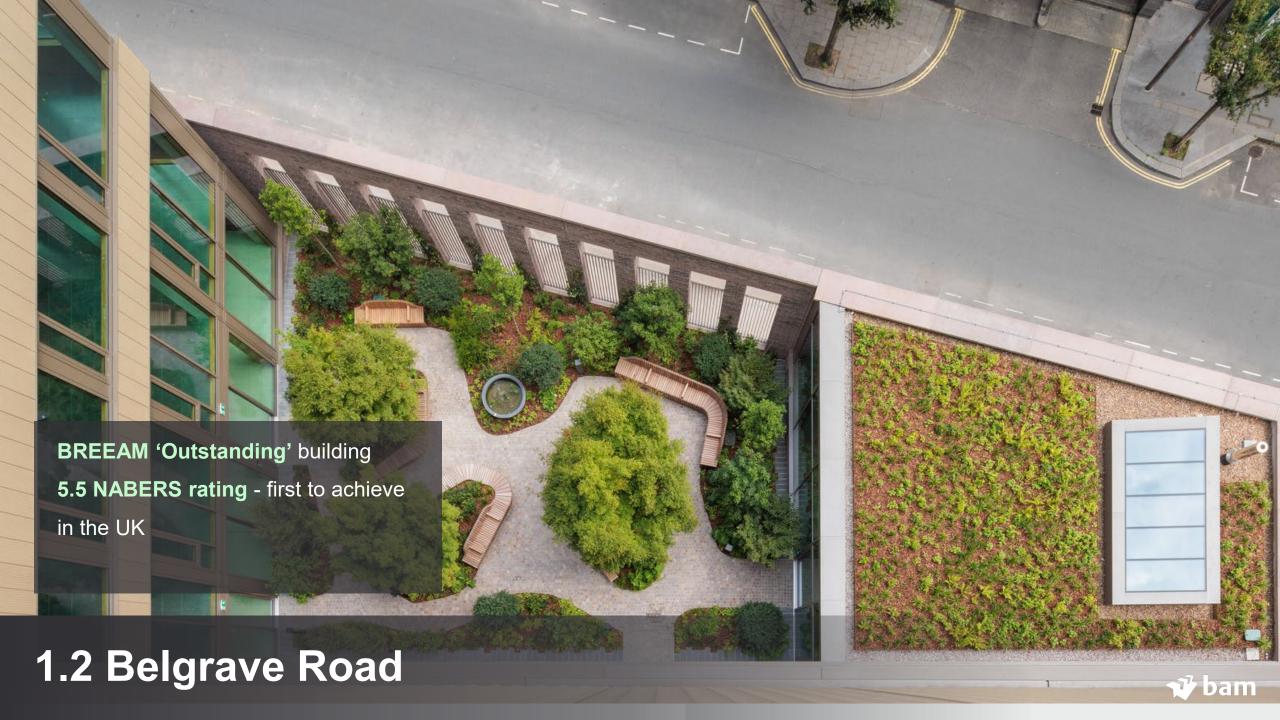






## 1.1 Woodmill & St. Columbas High



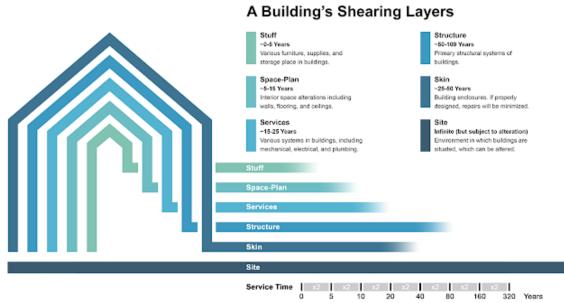




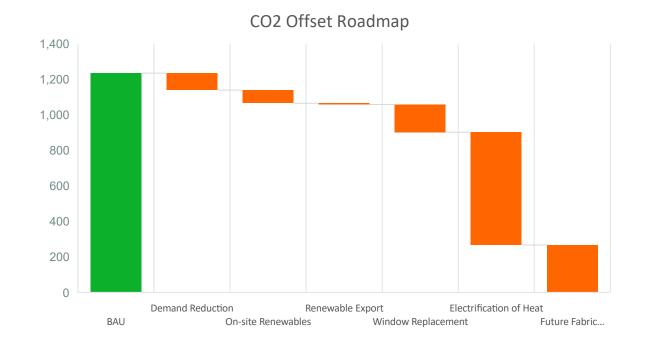
# 1.3 Farringdon Community Academy



## 3 Multi-step 'lifecycle'



Credit Frank Duffy. Illustration by BE Building Enclosure









## **Challenges**

- Speed of change and high cost of change
- 2. Integration of systems
- Connection of individual buildings into districts / neighbourhoods
- 4. Skills and knowledge transfer



