

Circular Building Assessment- A new tool made possible by BAMB

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Director

BRE





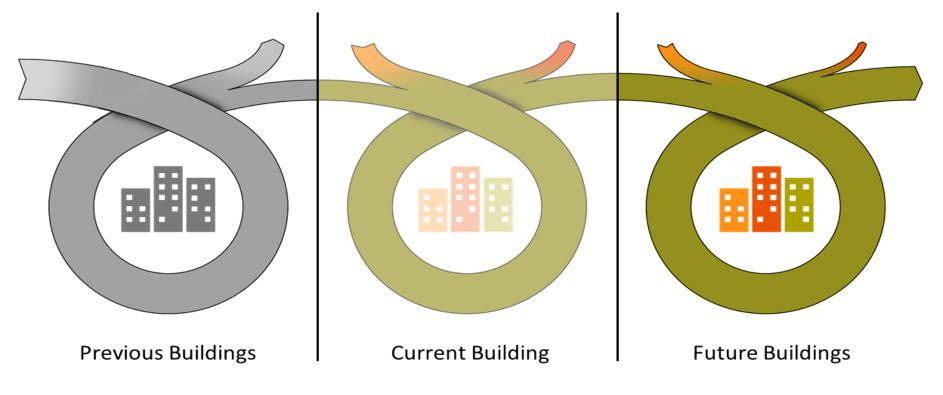








Circular Building Scenarios



Displacing new products & materials

Transformation capacity

Future reuse potential







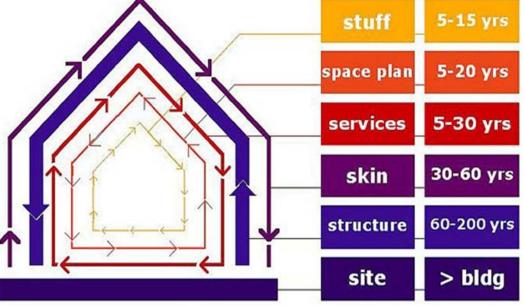






Evolving and Flexible Assessment









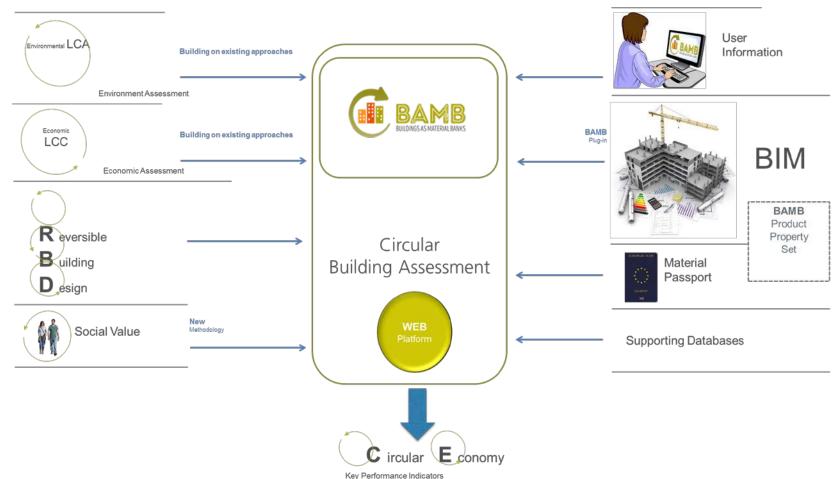








What is Circular Building Assessment







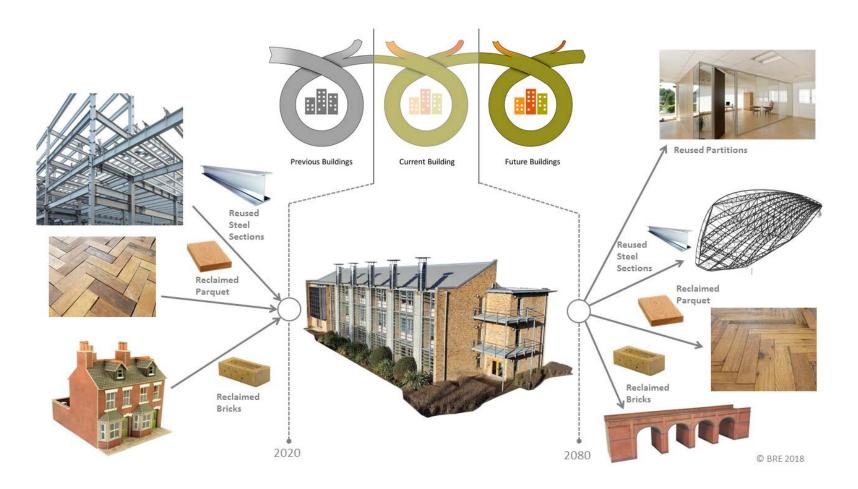








Environmental assessment



CE scenarios modelled:

- 80 000 reclaimed
 bricks
- Future reusepotential of bricks
- Extending building life cycle
- Reuseablepartitioning





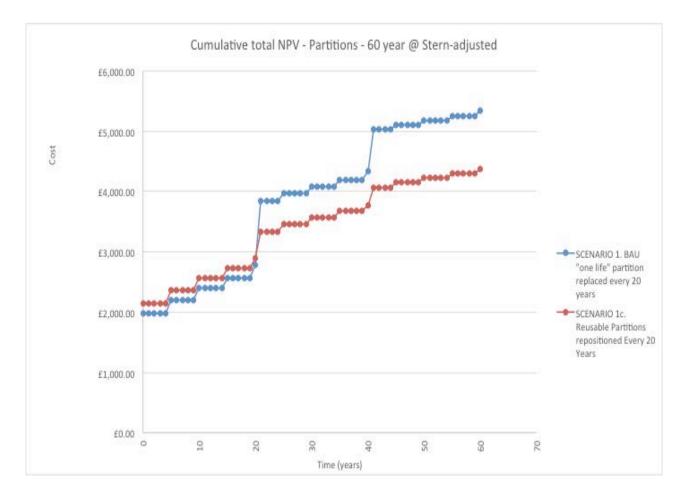


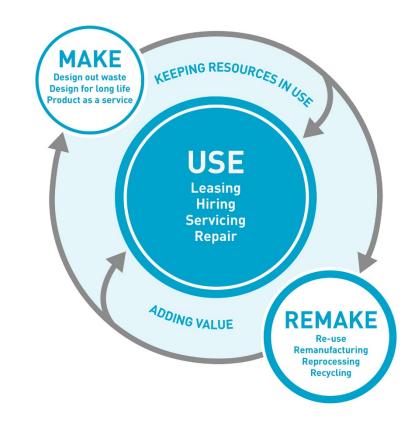






Economic Assessment

















Social Assessment

Sharing resources
Transport
Heritage
Local env. impacts
Jobs/local economy

Healthy
Environment

Building user Community Societal

Vibrant Economy Equitable Society





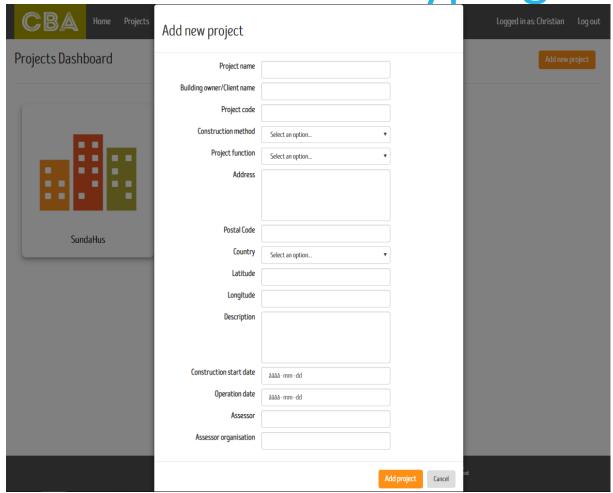




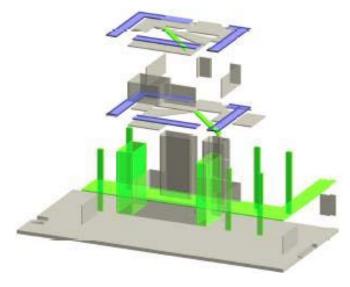




Prototyping and Piloting



















Complicated engine vs. Easy user experience



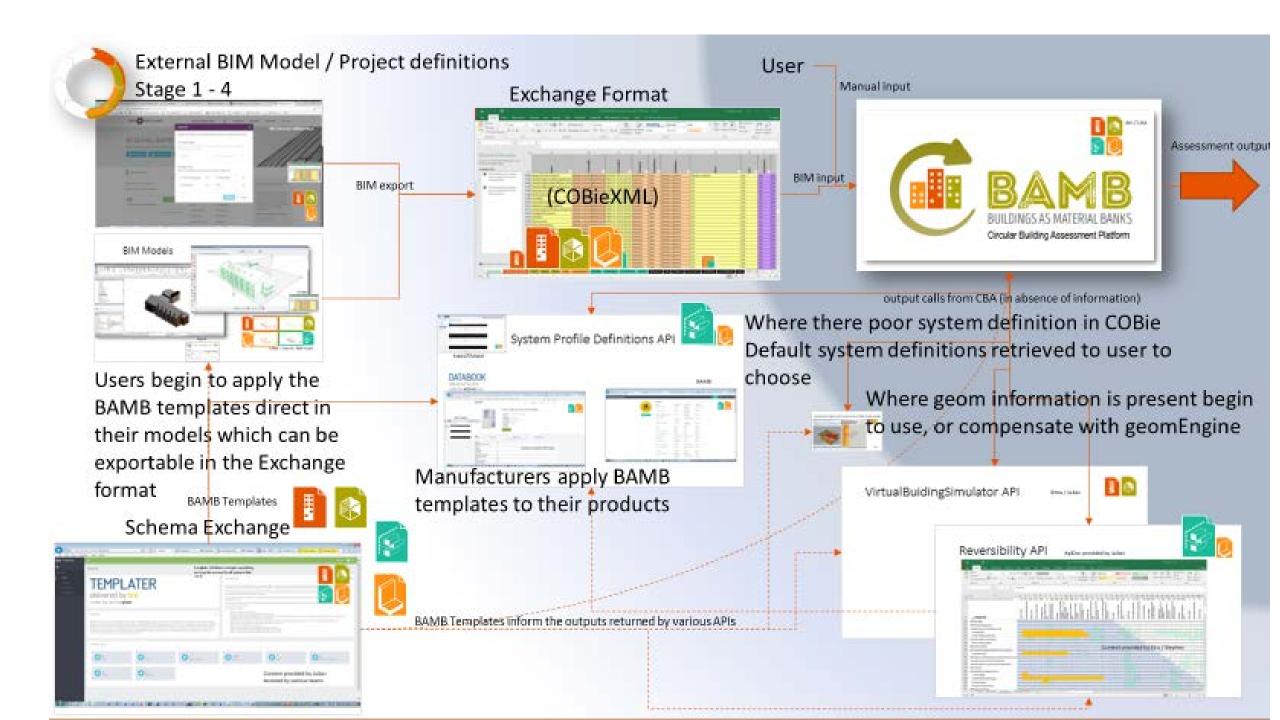


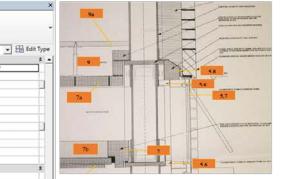












Roof Structure

1,570.00

Cost

Circularity Indicators

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Exter	W alls
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Roof Tiles

Windows

Upper Floor Types

Internal Partitions

Ground Floors

52% Reclaimed Content

41%	Virgin/primary	resource	indicato
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67%	Recycled	Content
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7 24 Reuse Potential/ RBD score

60	Life cycle co-ordination
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5.75	Transformation	capacity
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Recyclability

6.24





Basic Wall Bre-BRE_Cav-102_100_130_p

Finish Face: Exterior

Up to level: Roof

Non-bearing

86.143 m² 29.719 m²

New Construction

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80_Ground

Walls (1) Constraints

Location Line Base Constraint

Top Constraint

Related to Mass Structural

Structural Enable Analytical Model

Dimensions Length

Identity Data

Comments Mark Phasing Phase Created

Phase Demolished Data COBie COBie.CreatedBy

COBie.CreatedOn COBie.Component.Name COBie.Component.Space

Top Offset
Top is Attached
Top Extension Distance
Room Bounding

Base Offset

Base is Attached

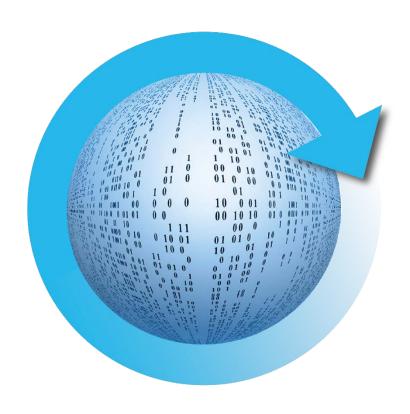
Base Extension Distance











Thank you!

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