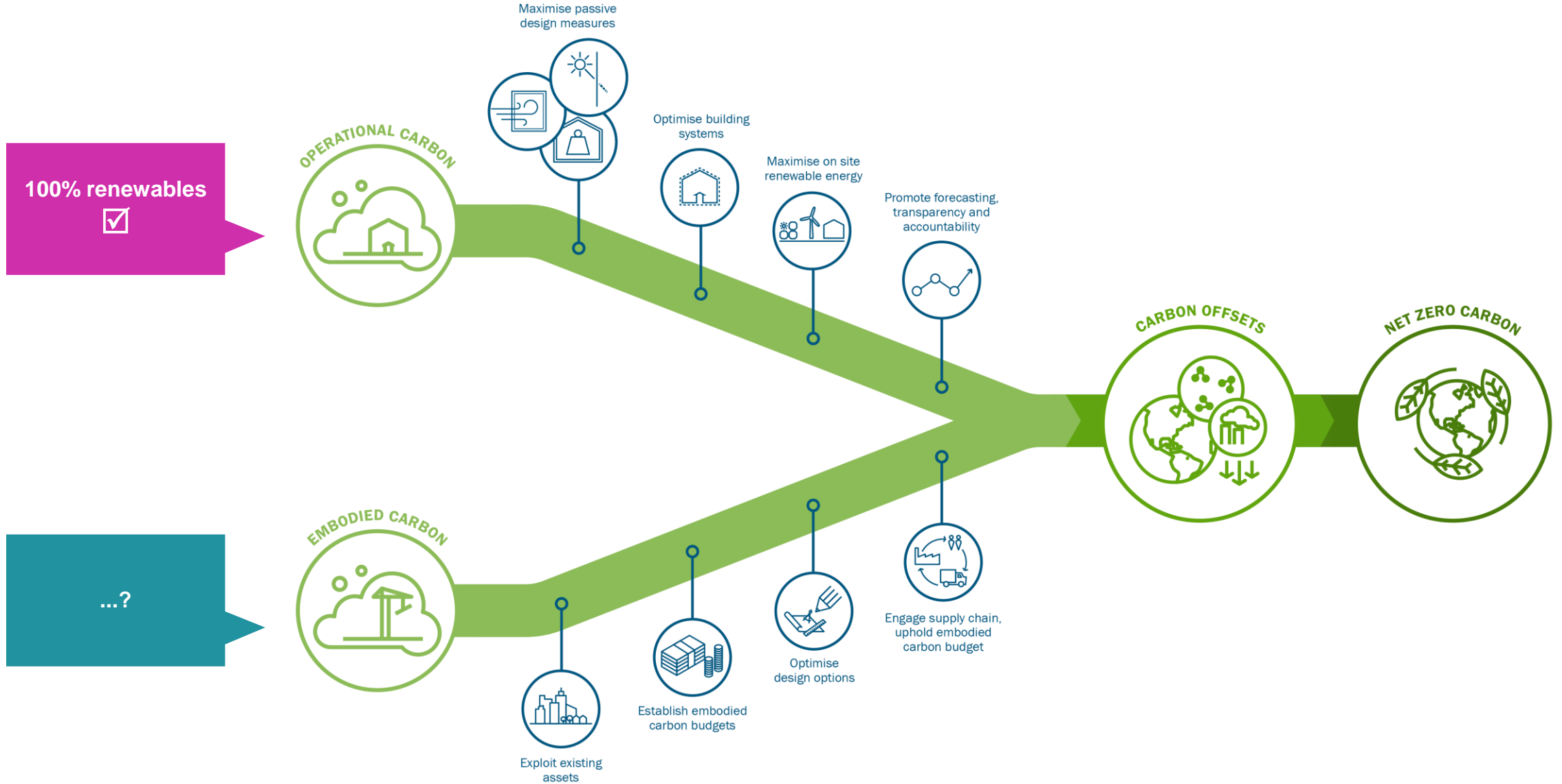


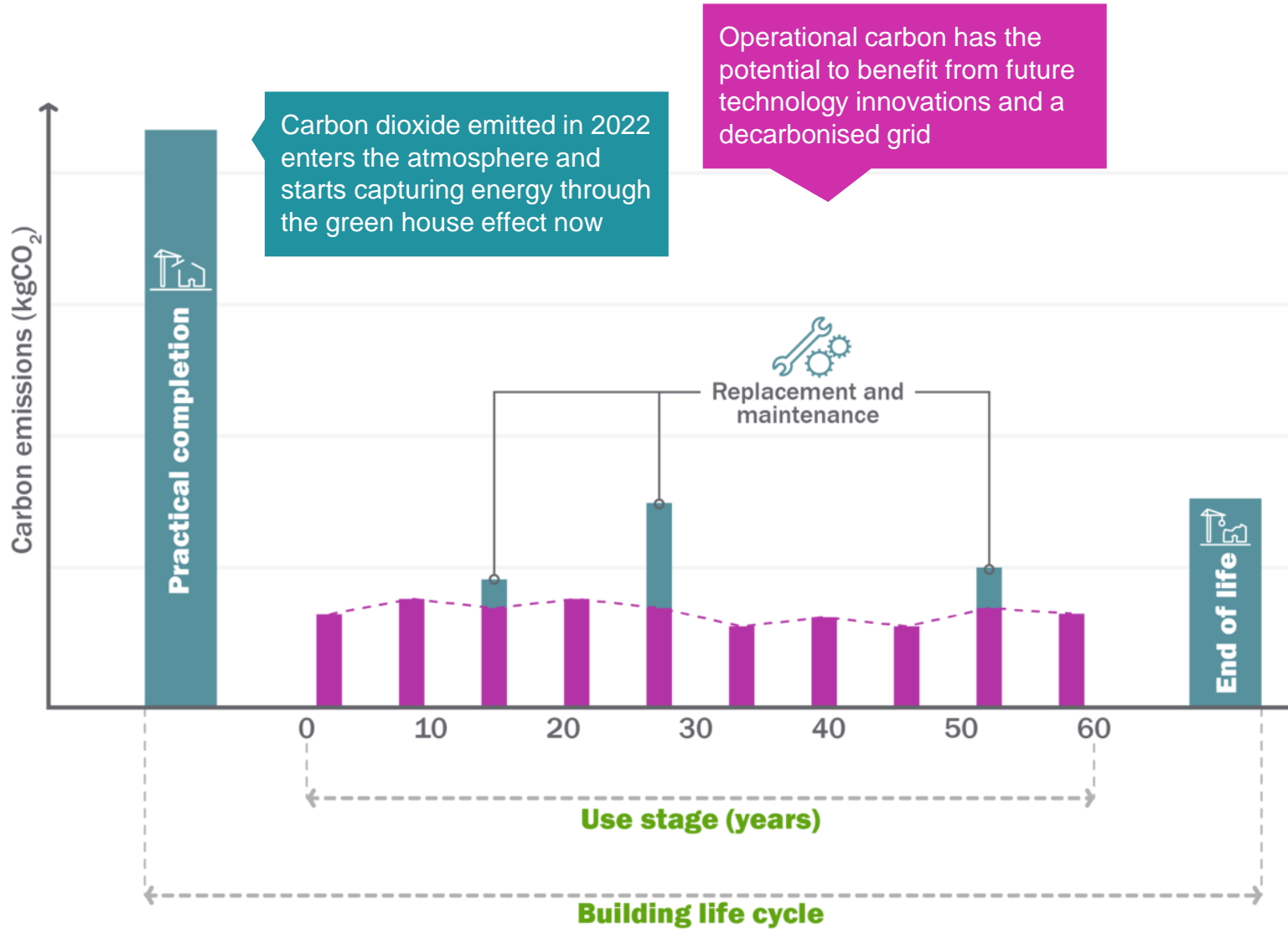
Why are we here?

Measuring Embodied Carbon

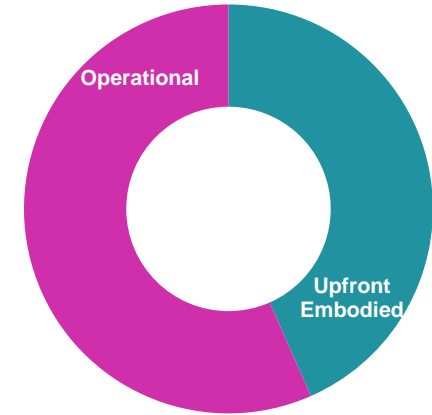


Why do we care?

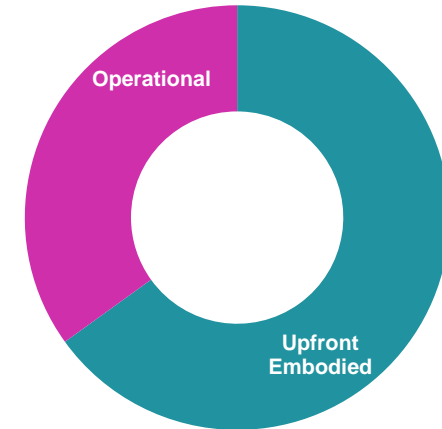
Measuring Embodied Carbon



Gross Emissions Total Lifecycle

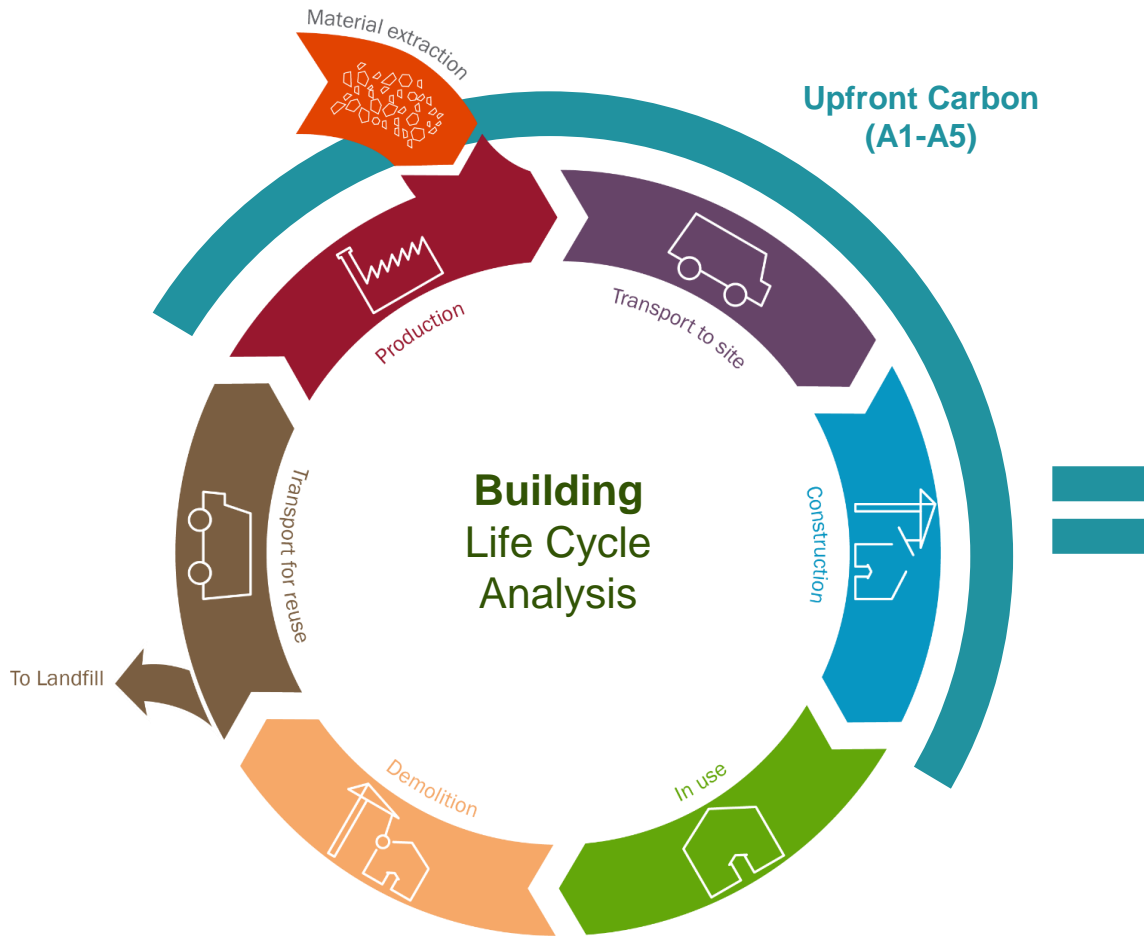


Time Value Emissions over Lifecycle



What is upfront carbon?

Measuring Embodied Carbon



=

Material Quantity

e.g. steel [t],
concrete [m³],
cladding [m²]

×

Material Environmental Profile

Material Environmental Profile

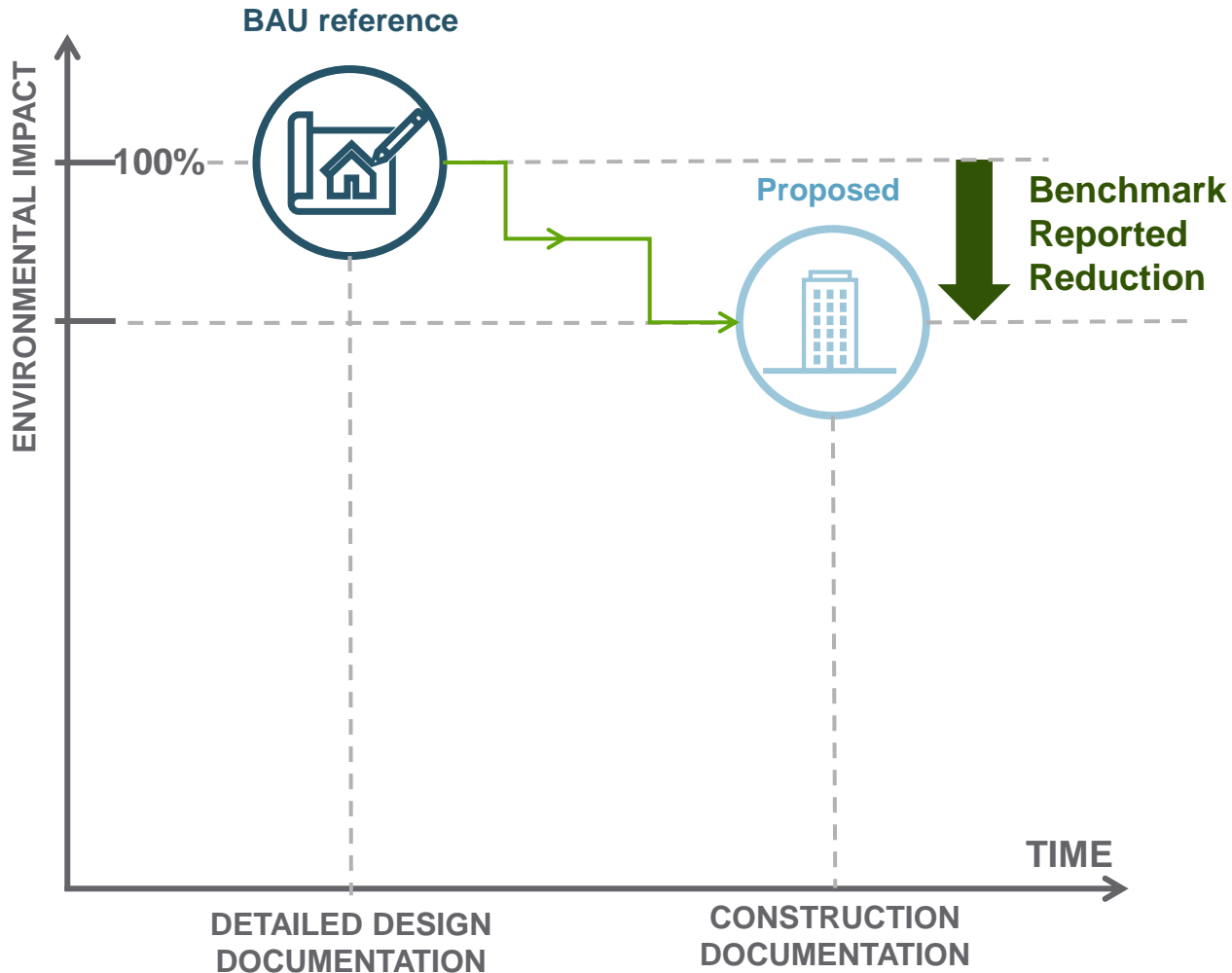
Includes a range of key environmental impact categories, including GWP.

Includes a range of key environmental impact categories, including GWP.

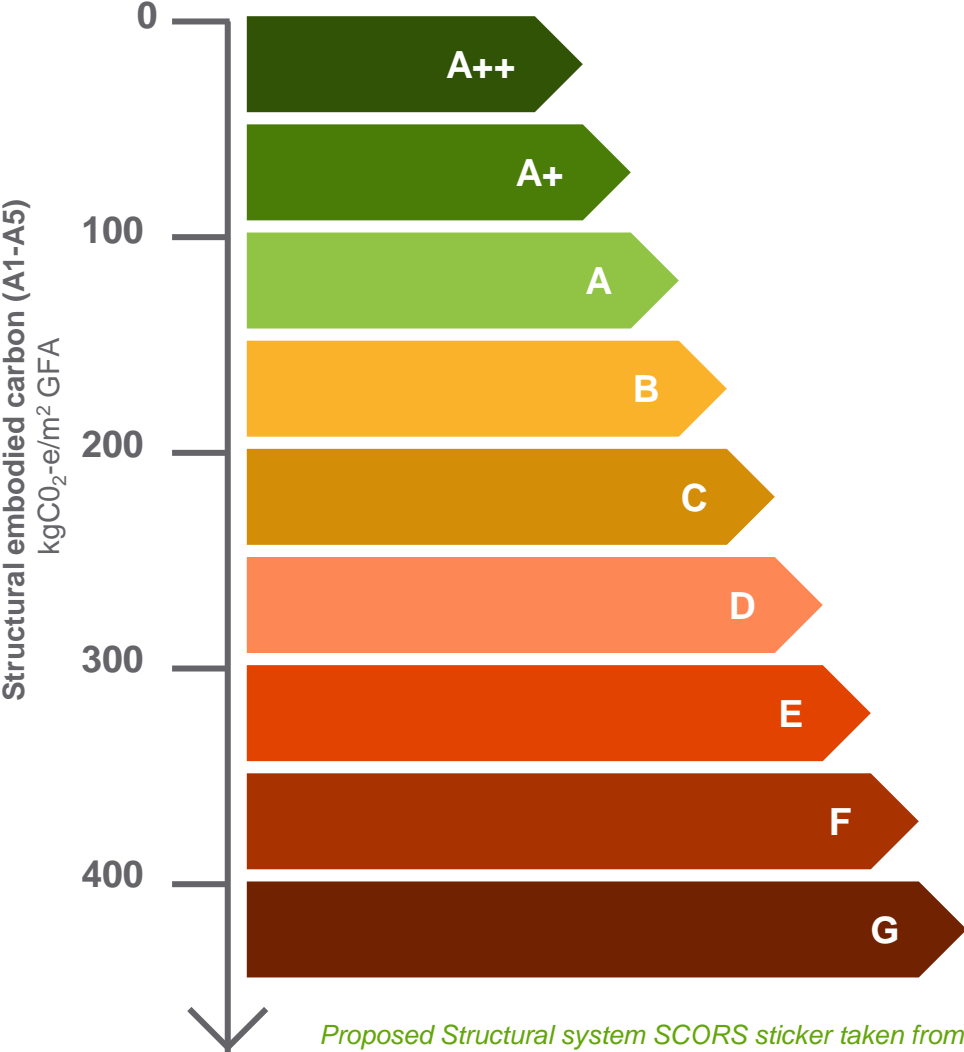
How do we measure reduction?

Measuring Embodied Carbon

Reference model reduction



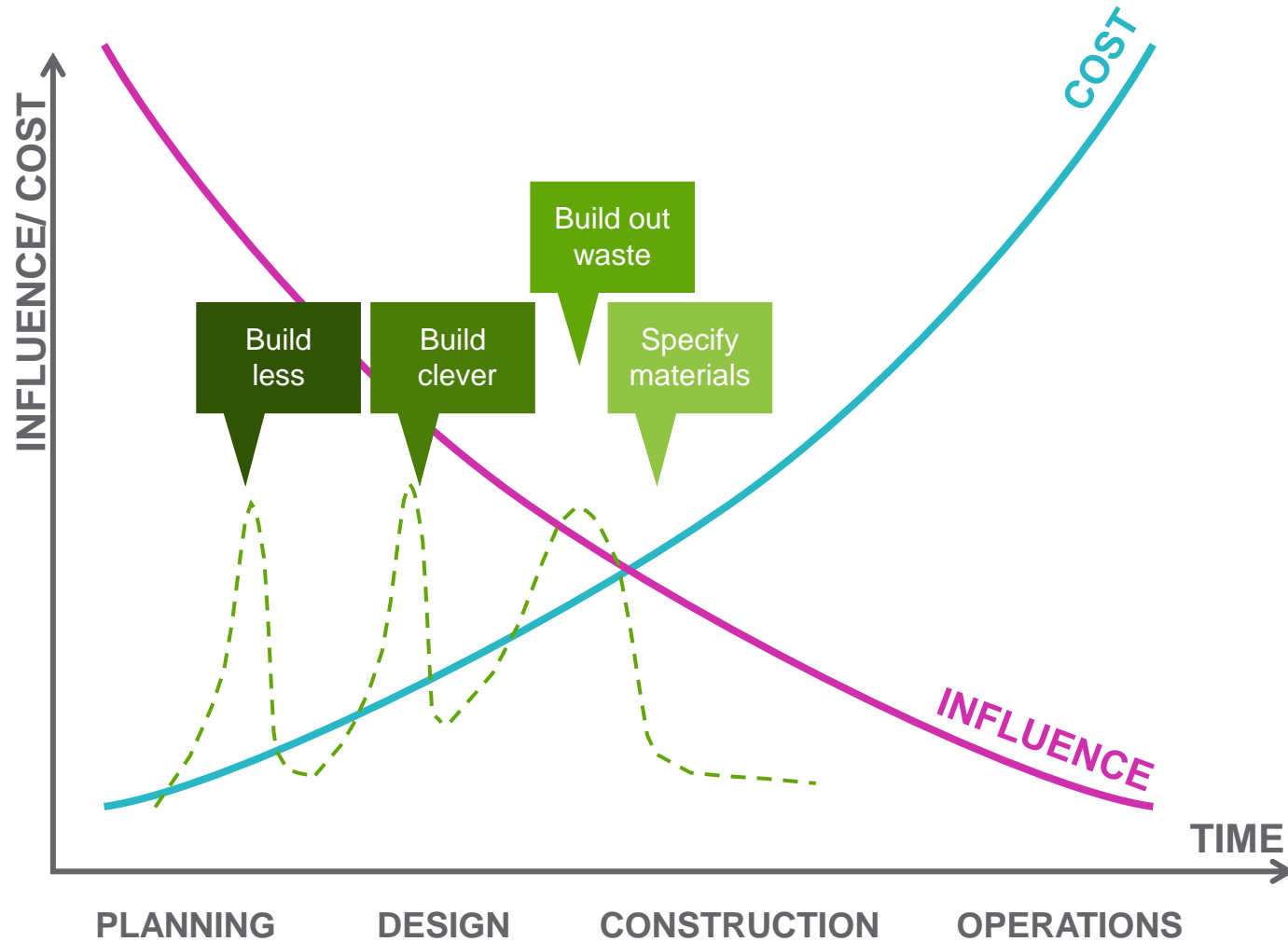
Carbon intensity benchmark bands



Proposed Structural system SCORS sticker taken from Setting carbon targets: an introduction to the proposed SCORS rating scheme (2020), IStructE

How can we maximise value?

Measuring Embodied Carbon



Original Concept by Patrick MacLeamy (2009)

