



Collaborating for a
Circular Economy



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BAM Construct UK

- The value proposition
- BAM's first 'Circular' experience
- CE100 - A circular business model
- Current projects...collaborating with great minds!

BAM ensuring our buildings perform...



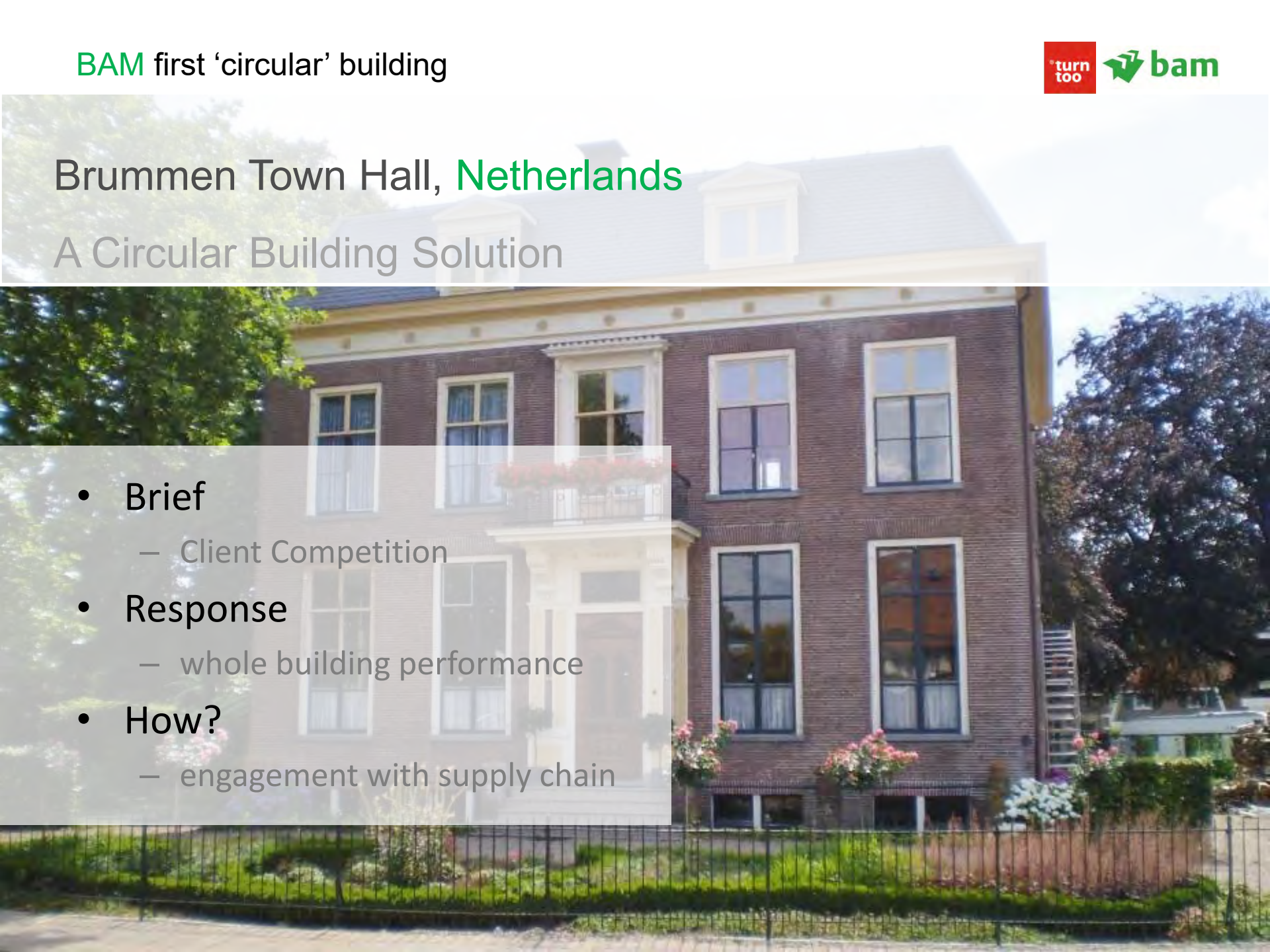
- BAM were involved in increasing the capacity of a 30km section of the existing A12 highway.
- The project is based on a Design, Build, Finance and Maintain (DBFM) agreement with a concession period of approximately 22.5 years
- Incentivised contract



Brummen Town Hall, Netherlands

A Circular Building Solution

- Brief
 - Client Competition
- Response
 - whole building performance
- How?
 - engagement with supply chain



BAM first 'circular' building



Brummen Town Hall, Netherlands

BUILDING AS A MATERIALS DEPOT



BAM first 'circular' building

Design for ~~Dis~~assembly



Agreements and performance contracts

 Installations

 Flexible walls

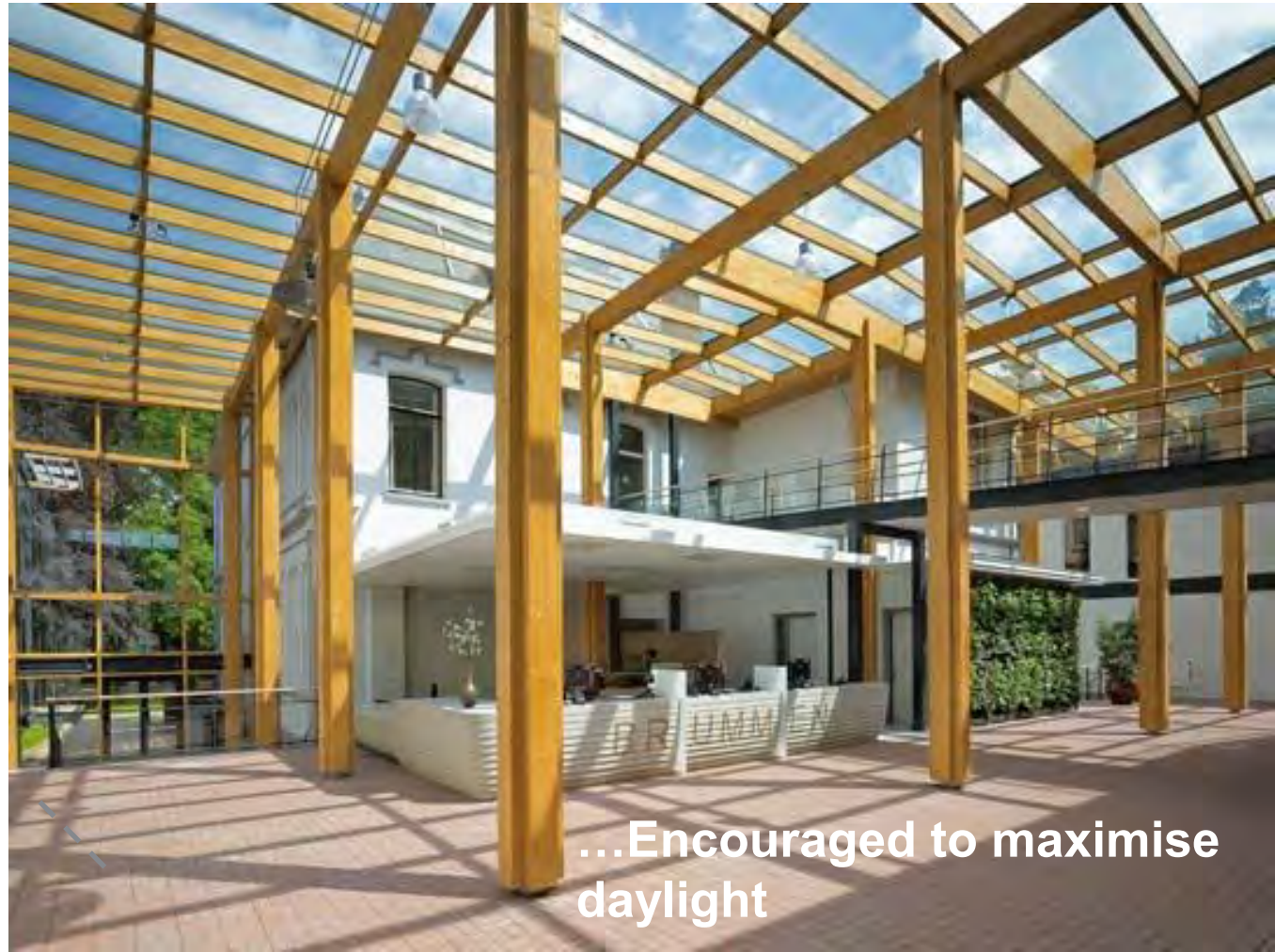
 Lighting

 Tiles

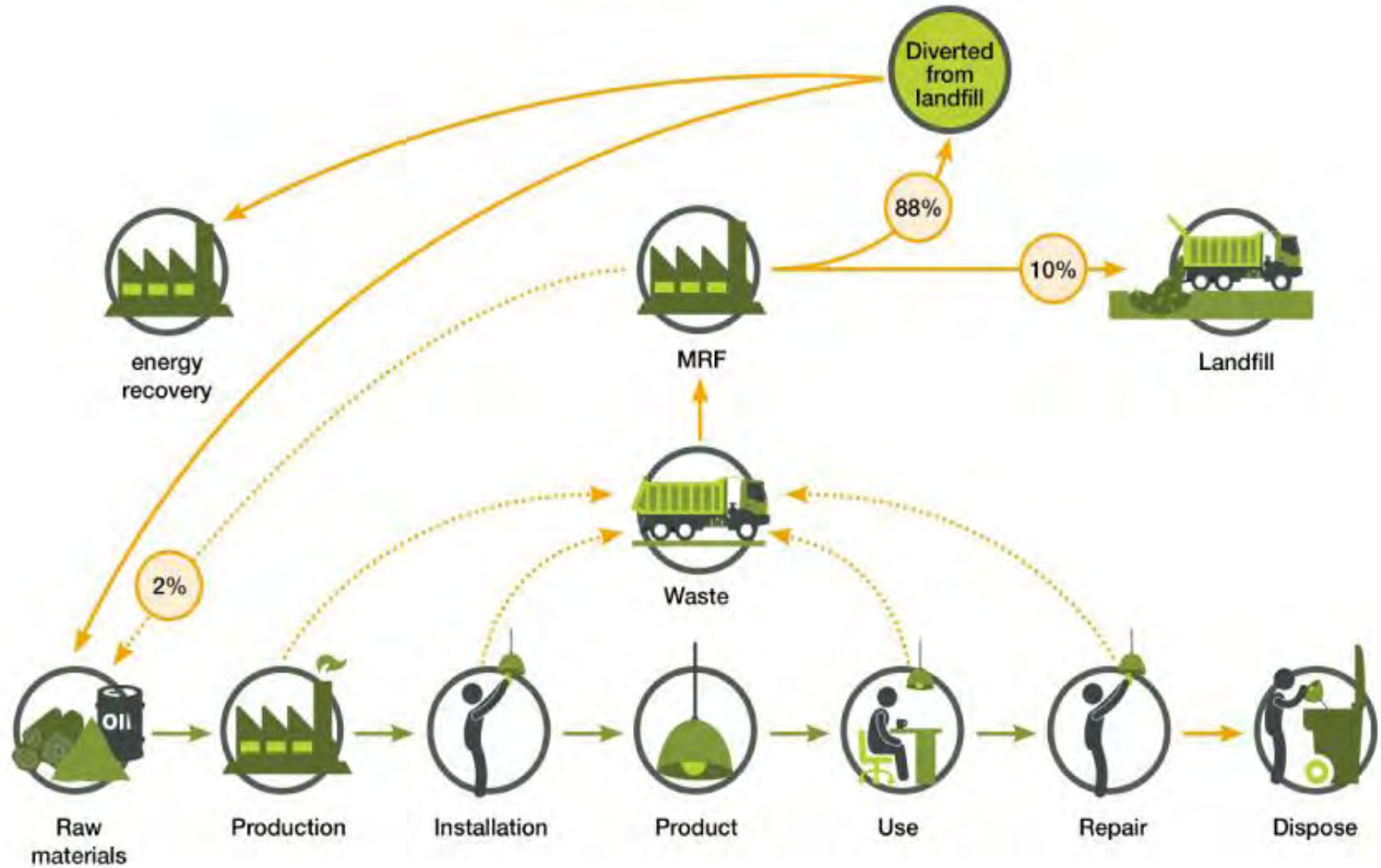
 Furniture

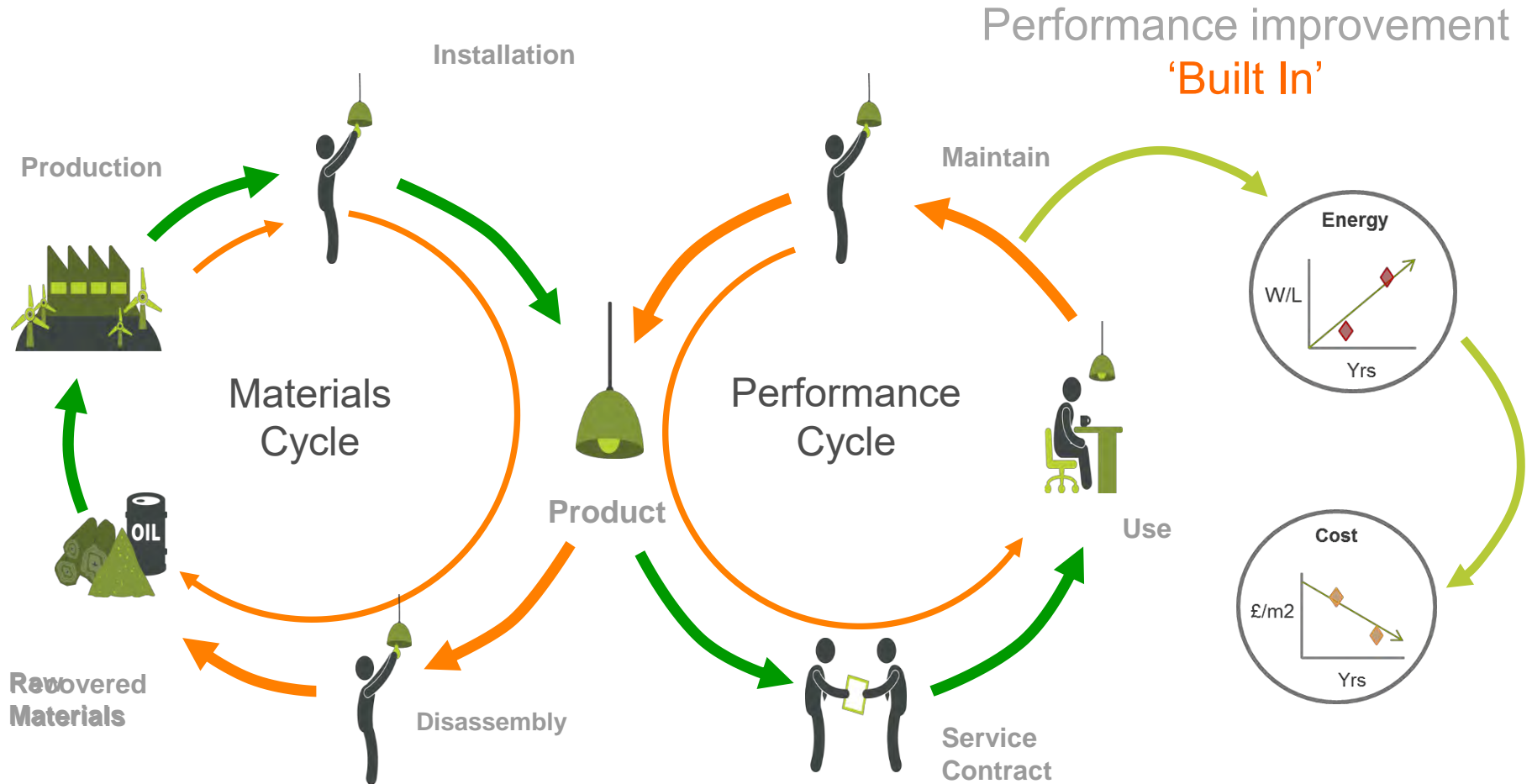
 Flooring

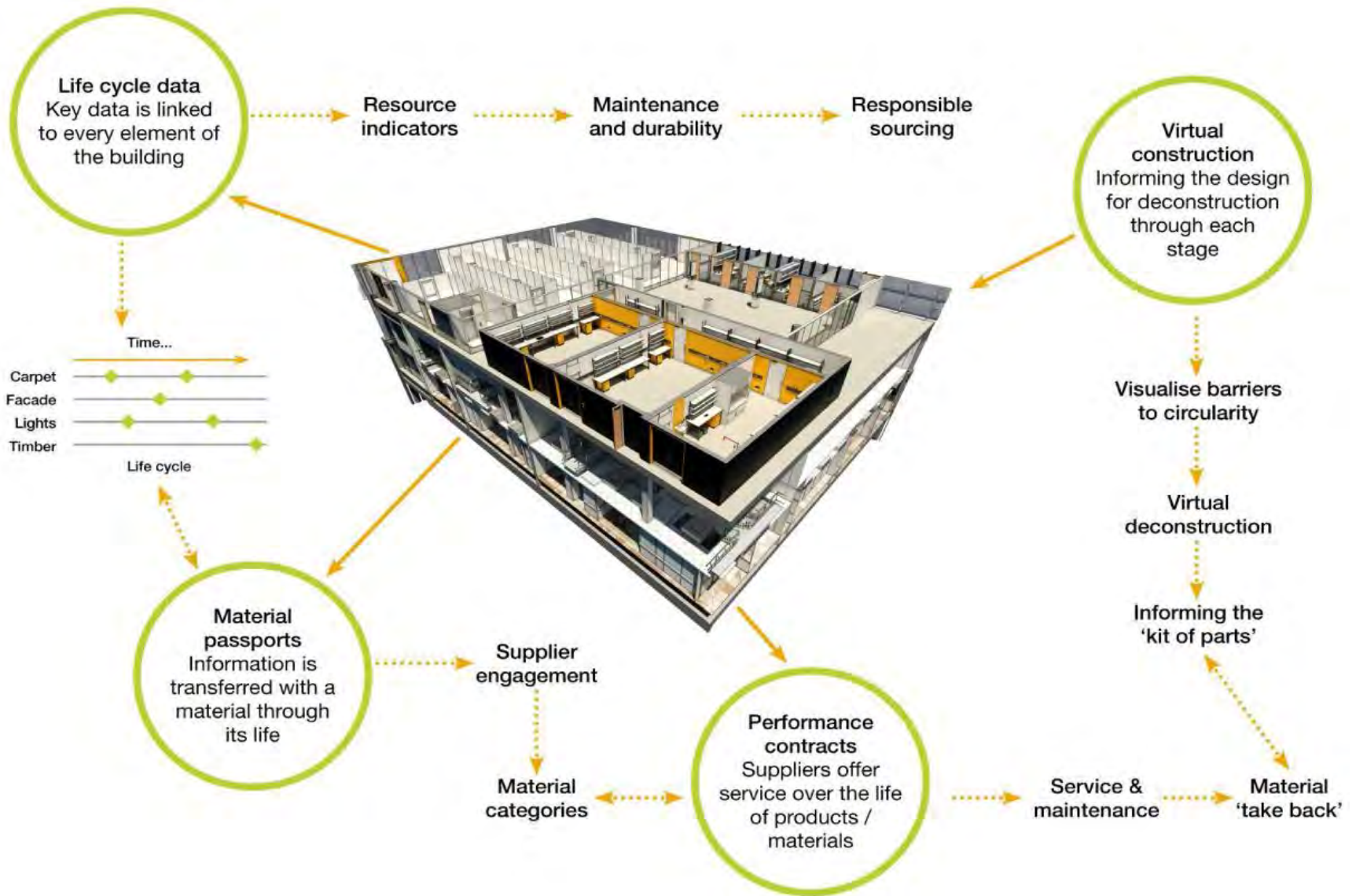
Sell lux not light
fittings...

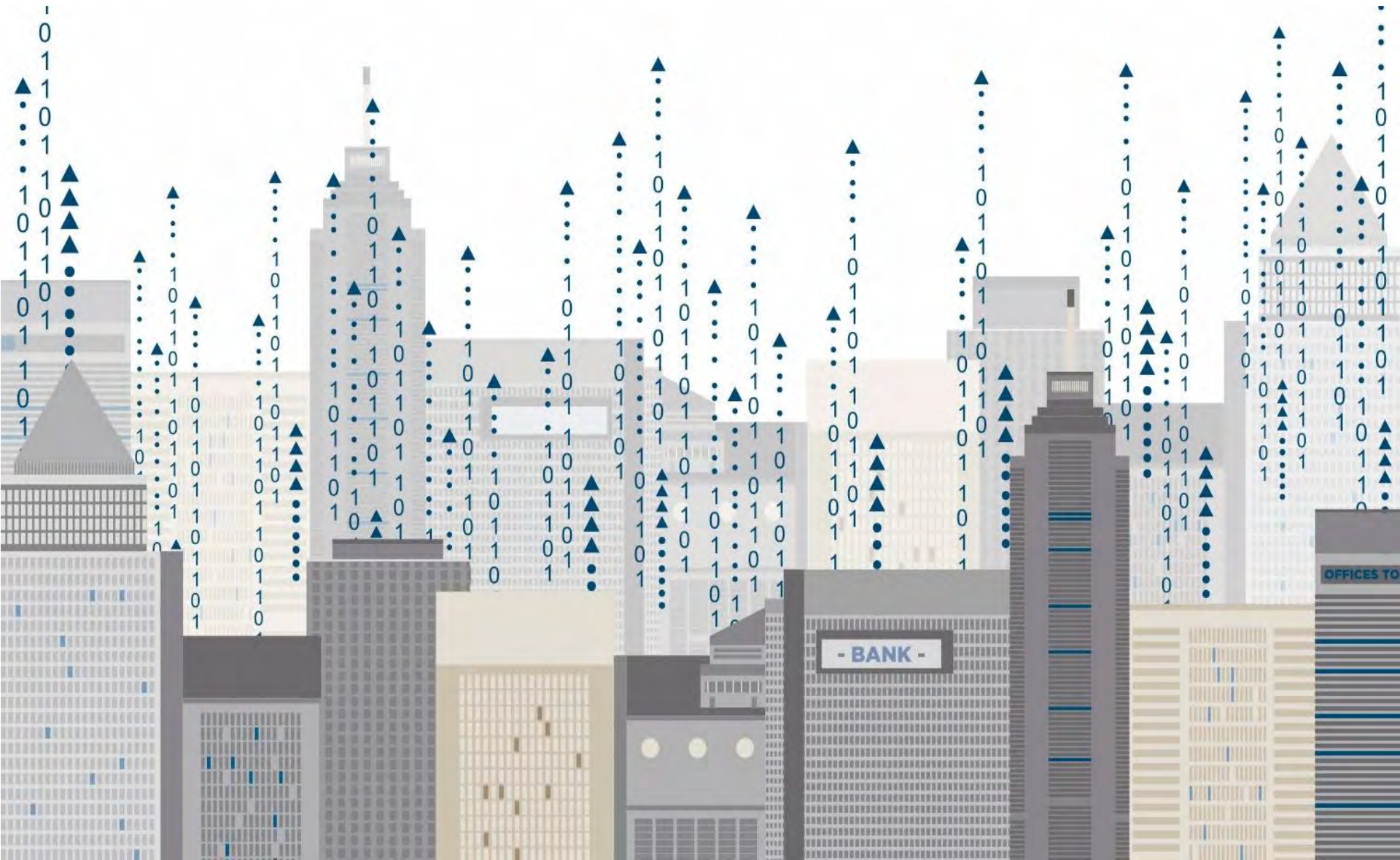


...Encouraged to maximise
daylight

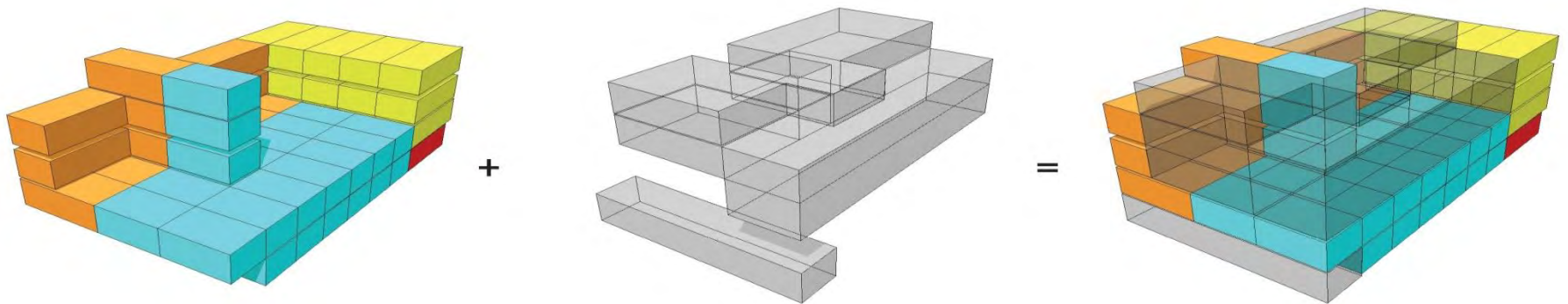
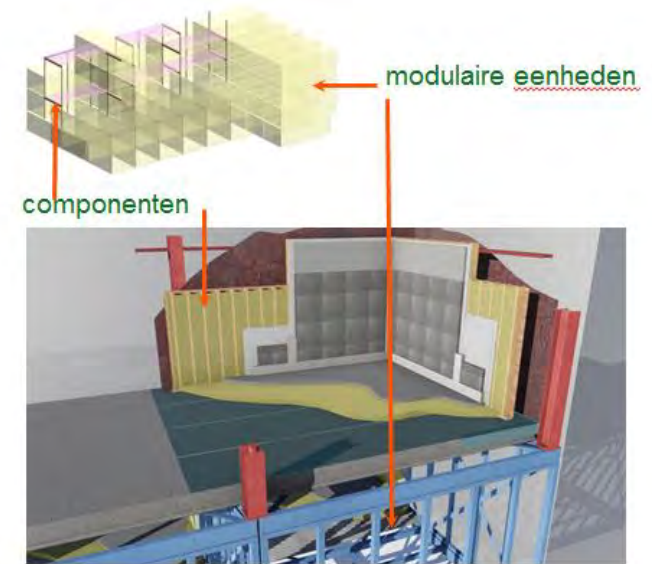








Strategy: temporary use (6y) vs temporary building



modules

+

customized

=

remontabel / re-assembly value

ABN-AMRO, Paviljoen, Amsterdam



BAM 'circular' solutions



ABN-AMRO. Paviljoen, Amsterdam



BAM 'circular' inspiration



BAM 'circular' inspiration



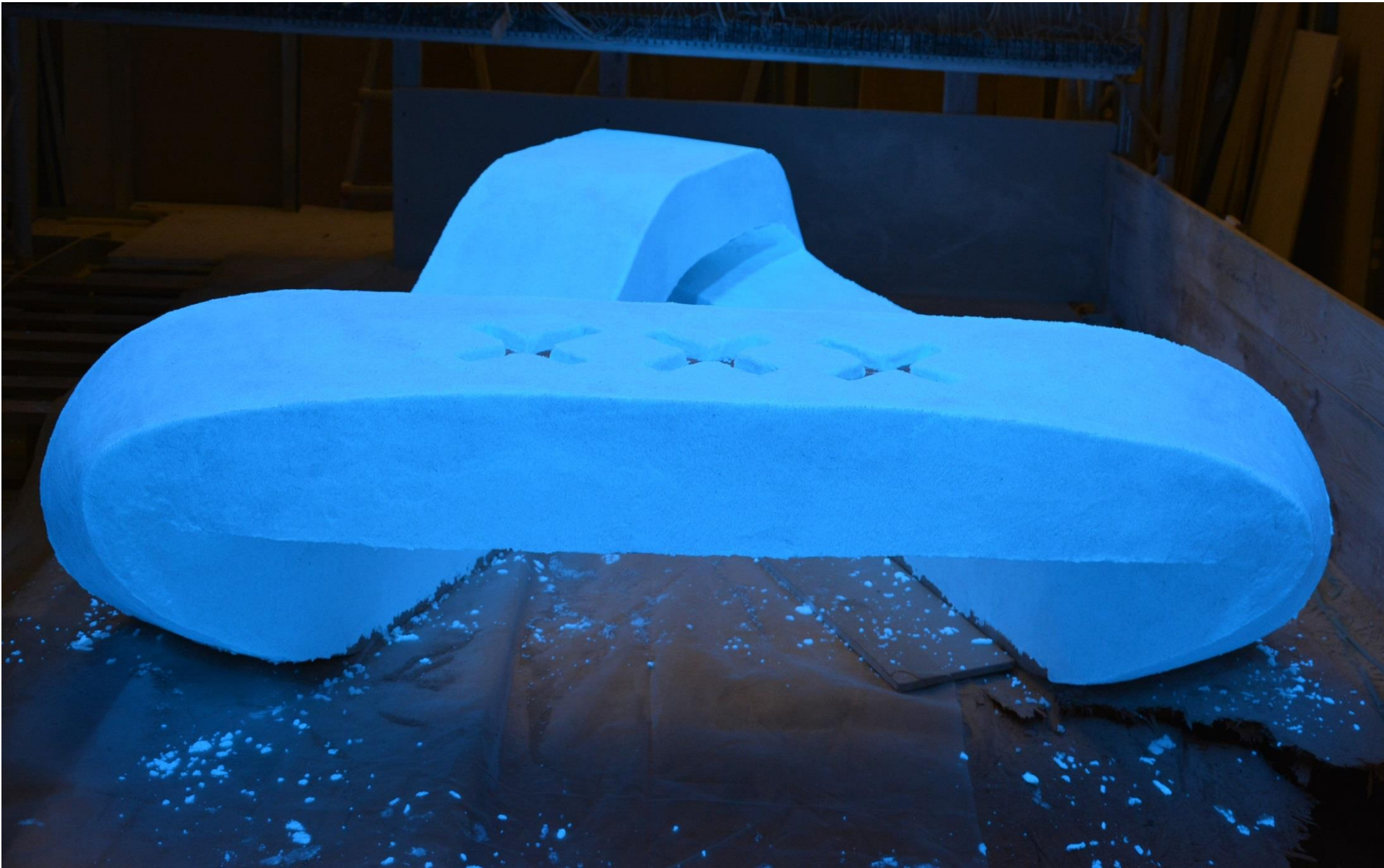
BAM 'circular' inspiration



BAM 'circular' inspiration



BAM 'circular' inspiration



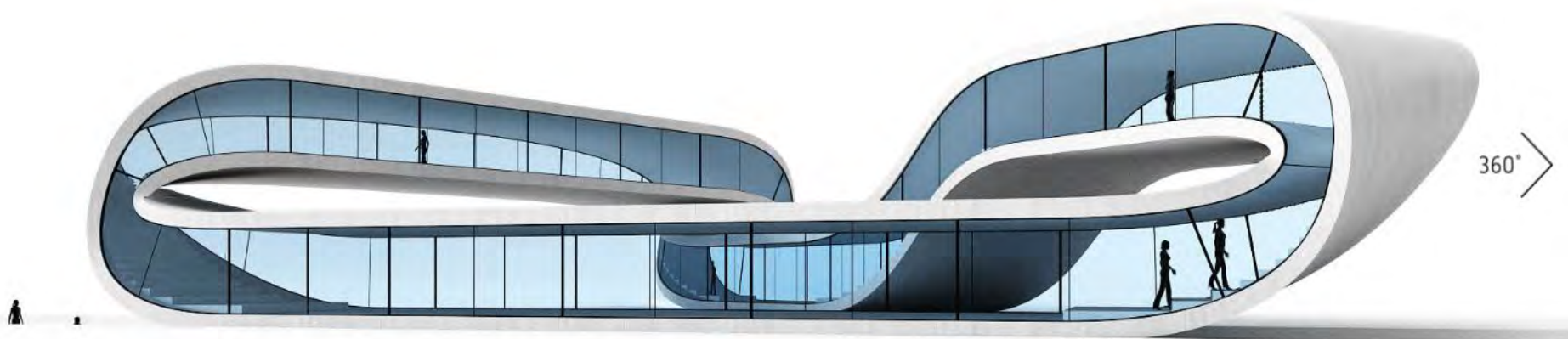
HOME

PHASE 1

PHASE 2

PHASE 3

INFO



Launch Landscape House as
Endless Expo Space Amsterdam.
Estimated 2017.



BAM 'circular' inspiration

A WHOLE CHILDHOOD LONG FUN

from toddler to teenager

And fun for you also



CE100 BE working group - circular business models

Work In Progress

ENABLERS

DESIGN

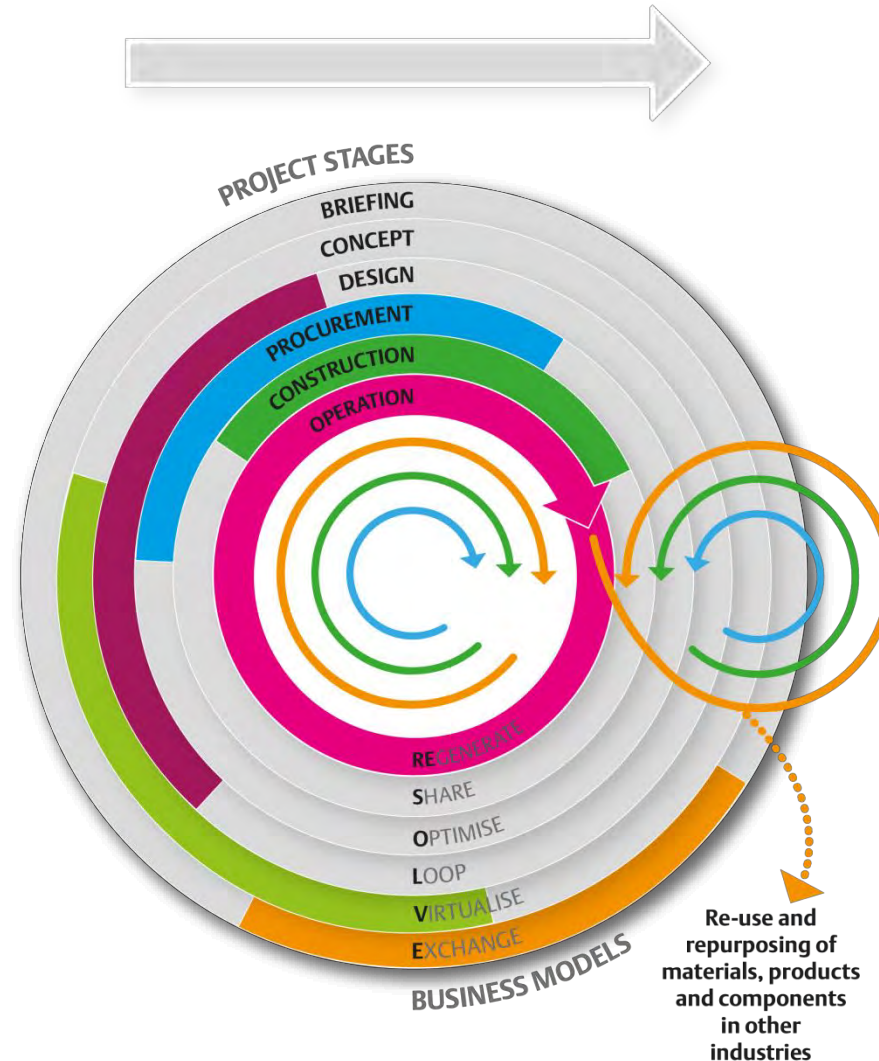
- Deconstruction
- Reassembly
- Remanufacture
- Future flexibility

INFORMATION

- Cost / condition
- Resource productivity
- Life cycle data
- Ownership / custody
- Warranty
- Traceability

COLLABORATION

- Shared incentivisation
- Transparency
- Innovation → new products
- Longer term business models vs short term



OUTPUTS

OPERATION

- Performance over ownership
- Better utilisation
- More consumer choices

ASSET

- Materials and products kept at highest value for longer
- Maintenance and replacement certainty
- Investor confidence
- Total cost benefits

WASTE

- Material security
- Waste reductions over life cycle
- Optimised yields from resources in use
- Open and closed loop solutions

Circular Economy Steering Groups

- The Ellen MacArthur Foundation
- Green Construction Board
- London Development Commission - LWARB
- BSi: BS 8001 Framework for implementing circular economy principles in organisations



The Green Construction Board

Supply Chain Sustainability School

- BAM supplier/ stakeholder workshops



Circular Economy projects

- Horizon 2020 pilot projects - BAMB
- Brummen Town Hall
- The Great Recovery Project
- BAM development projects
- ABN AMRO
- Royal HaskoningDHV Circular Office

