

CIRCULAR ECONOMY BUILDINGS: EVOLUTION OR REVOLUTION?

David Cheshire, AECOM



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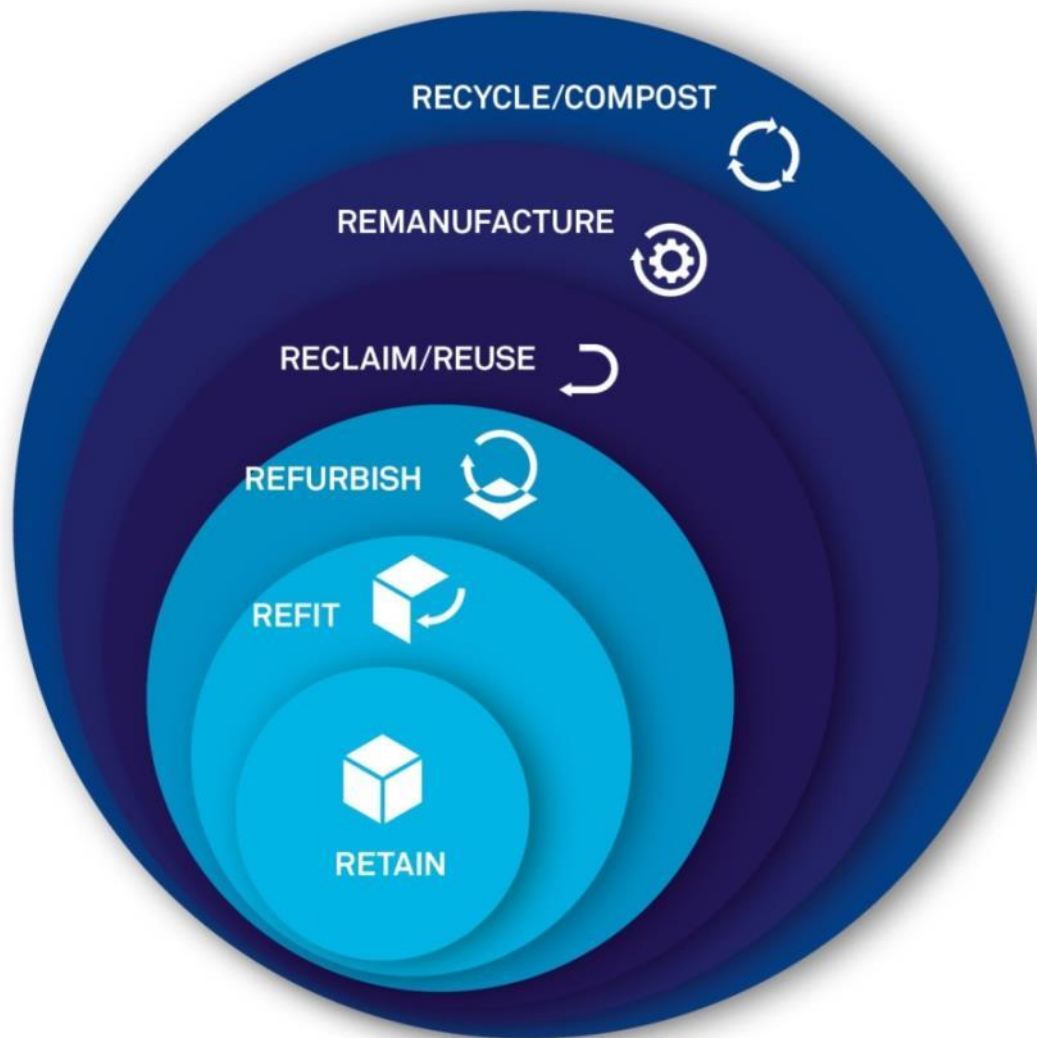
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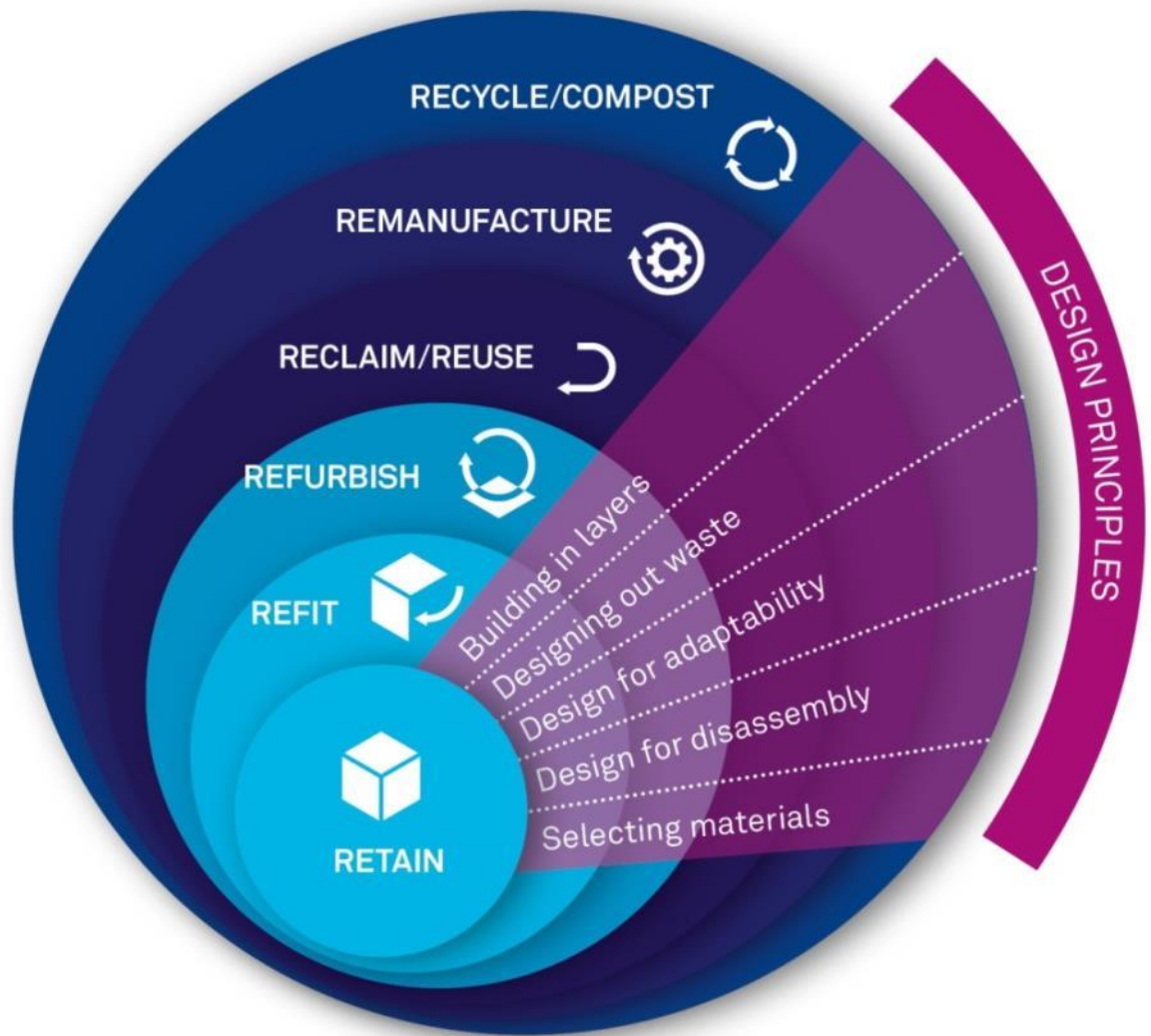


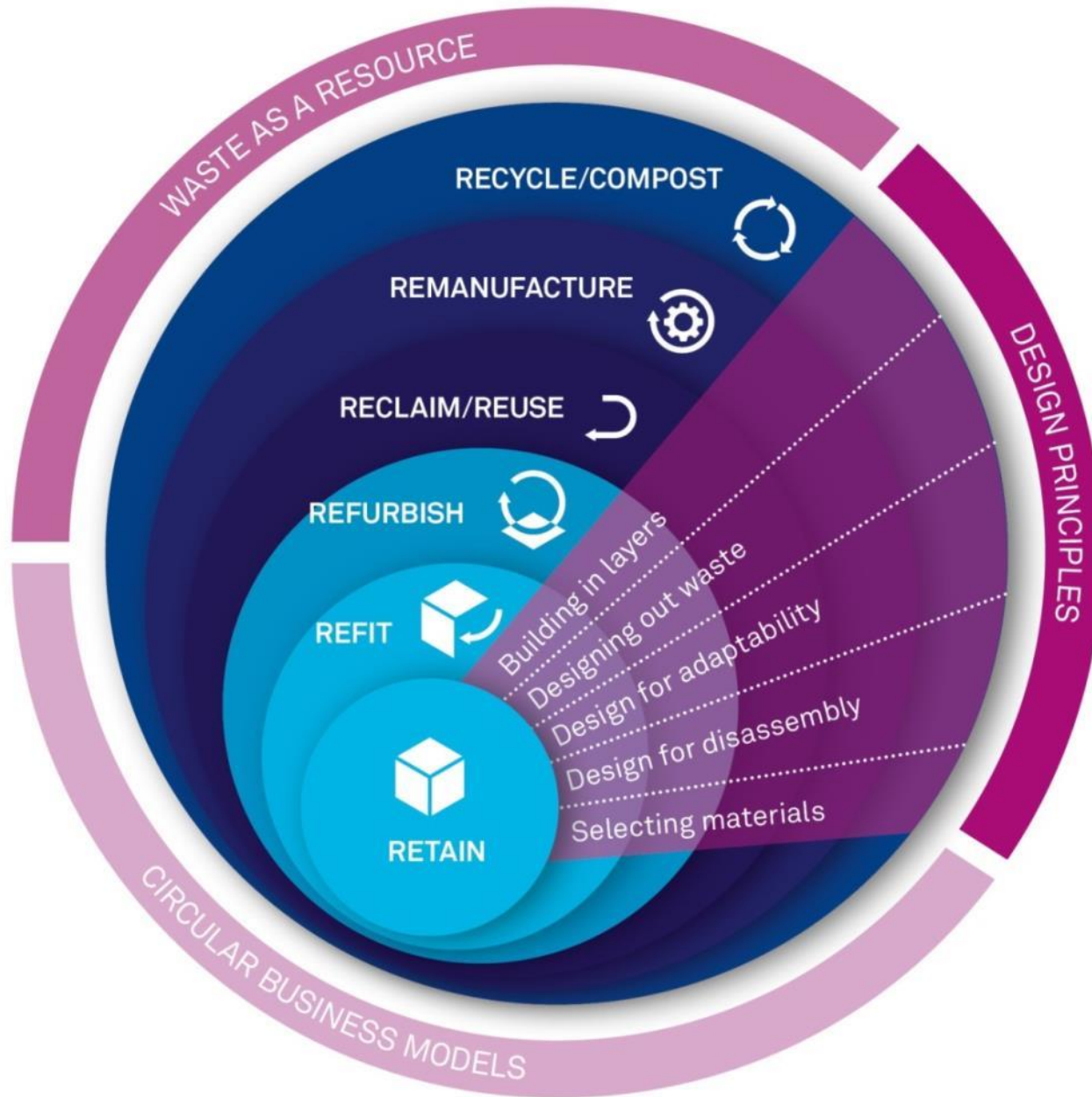
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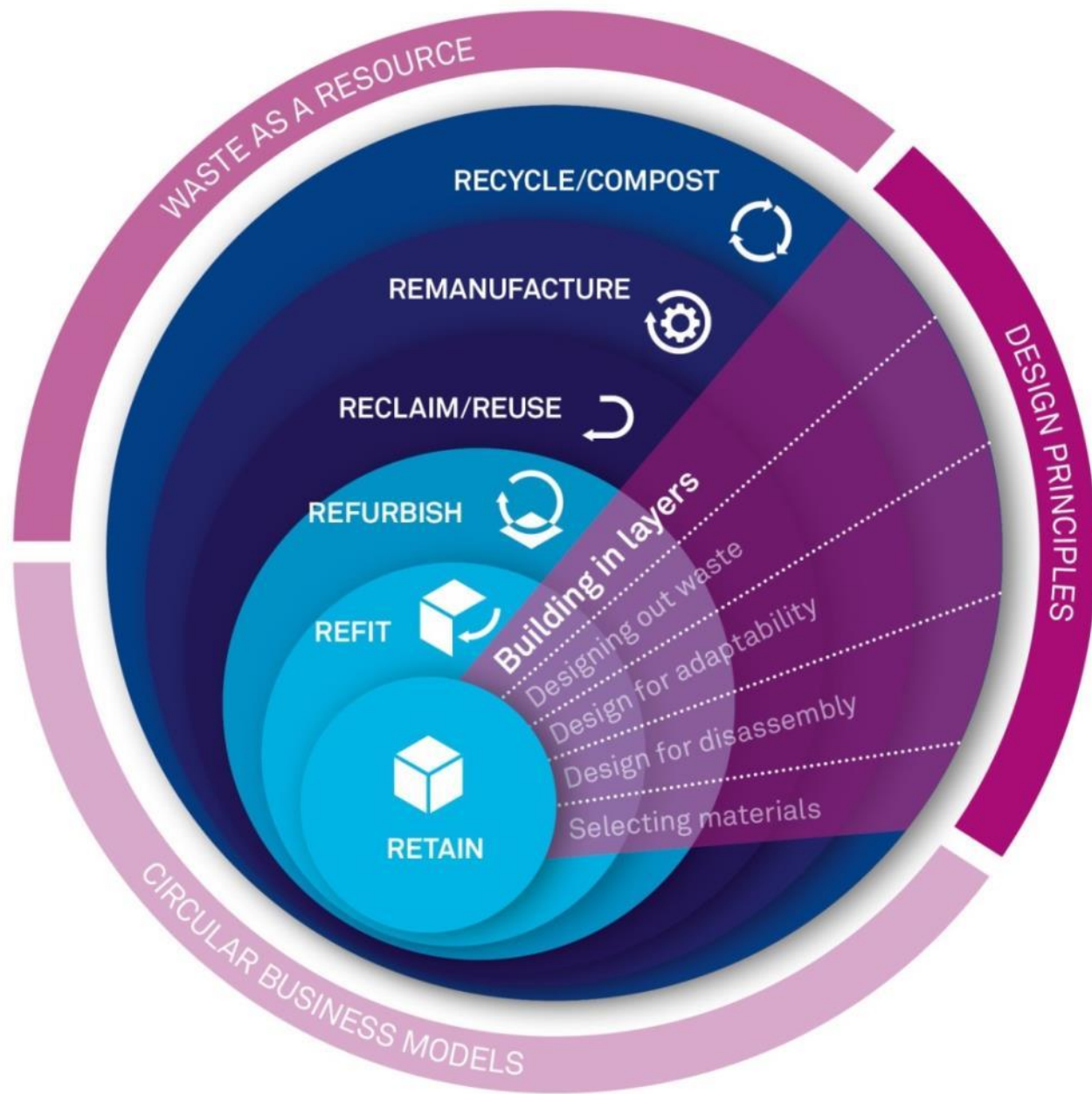


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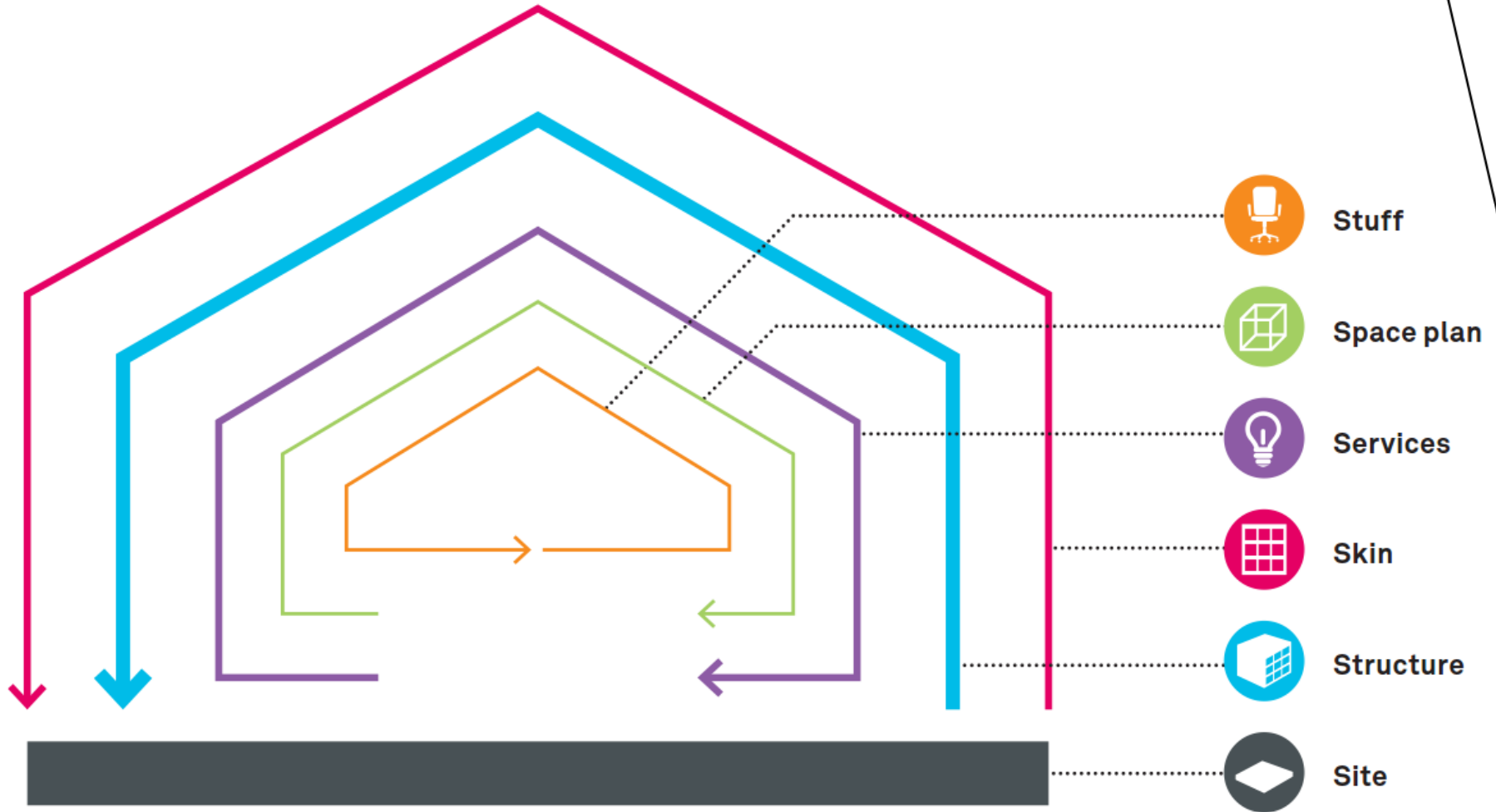








Building in layers



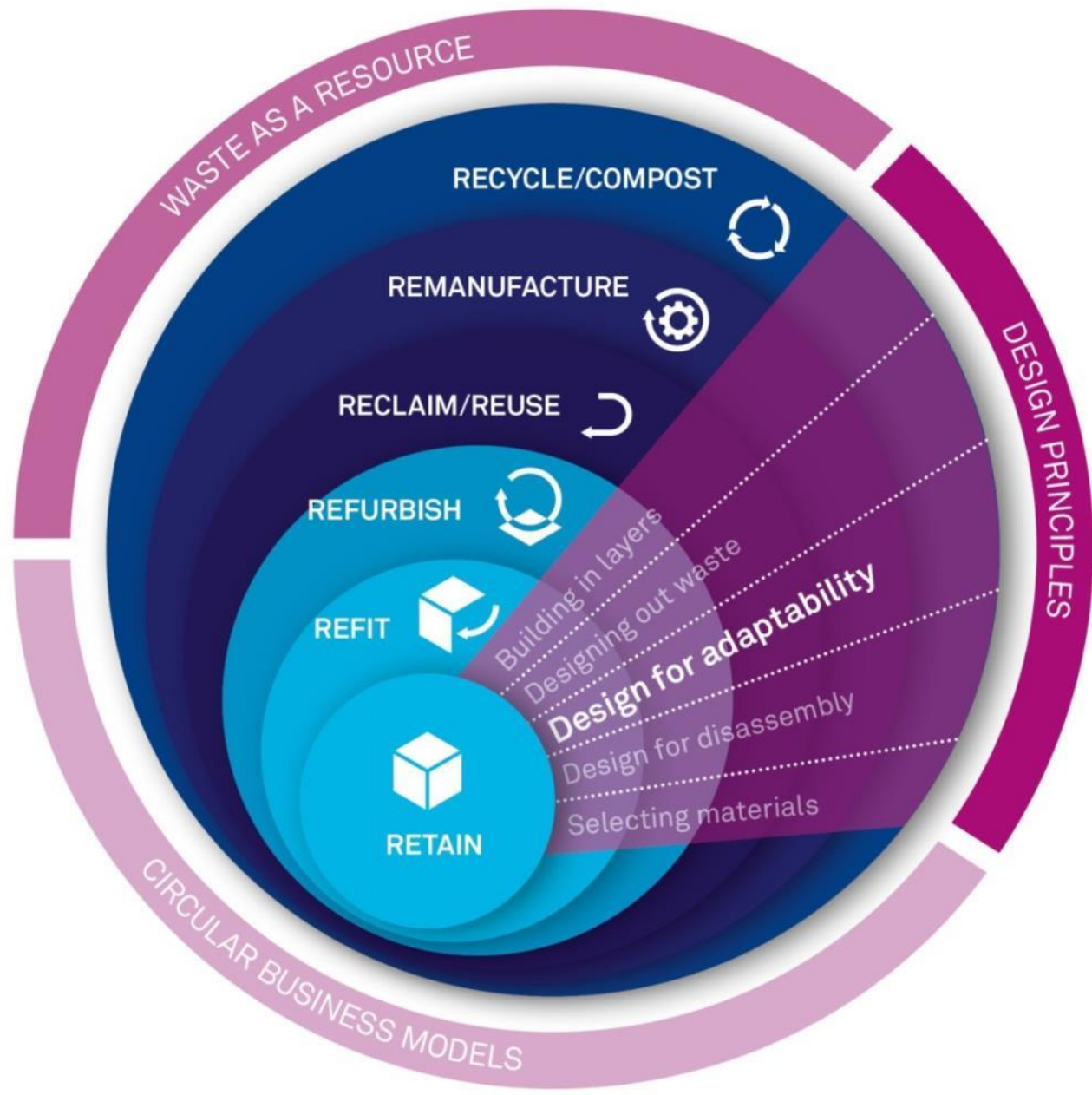
(Stewart Brand)

White collar factory



Courtesy of Derwent London

AECOM





Central St Martins, University of the Arts
London, Kings Cross, London, UK



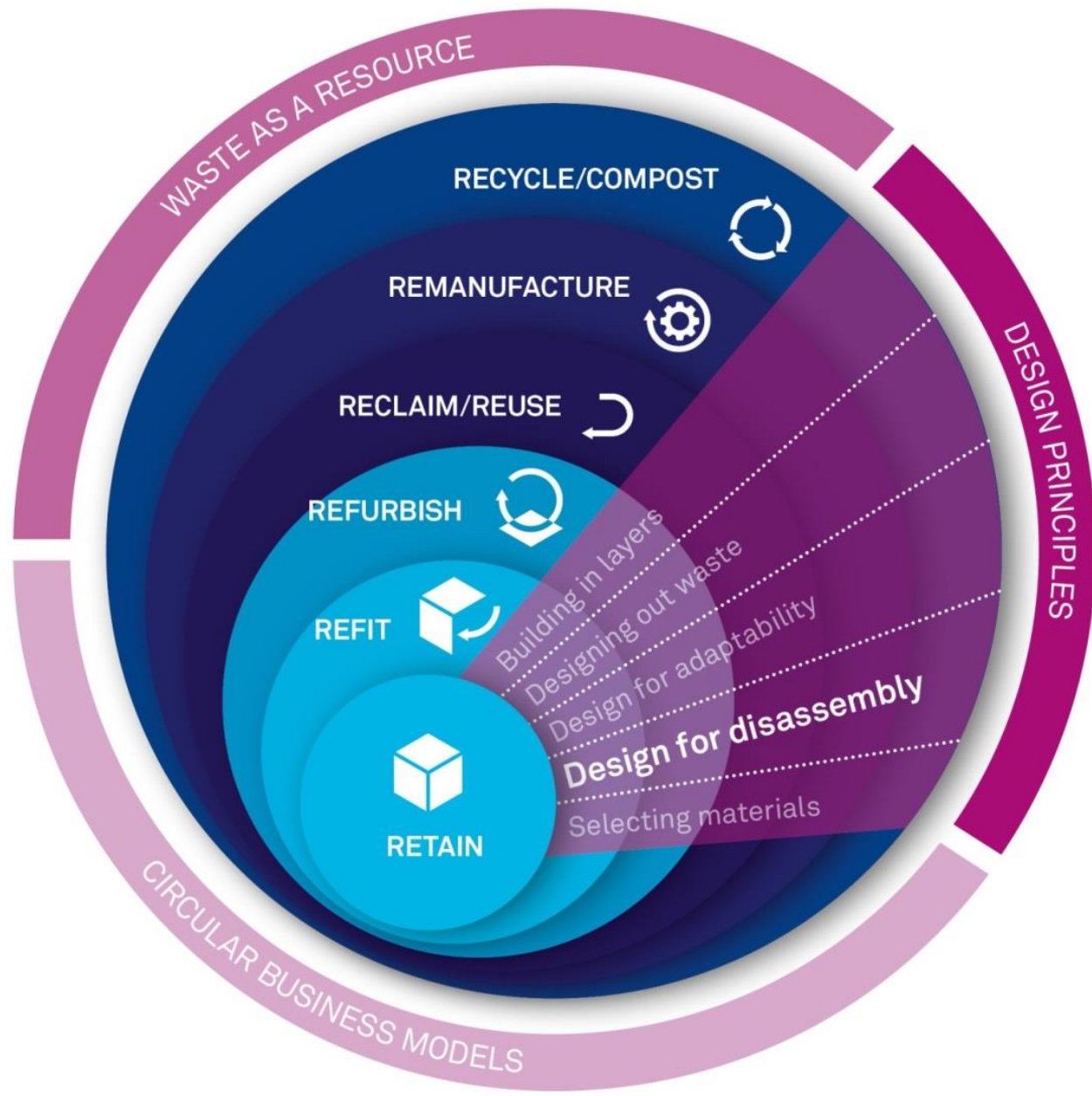
Central St Martins, University of the Arts
London, Kings Cross, London, UK





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**The Active Classroom
SPECIFIC and Swansea University**

A high-angle photograph of a construction site for a classroom building. The structure is partially completed with white panels and metal framing. Scaffolding is visible around the building. In the foreground, there are several large stacks of white panels and metal beams. A worker in a high-visibility vest is visible near the center. The background shows other buildings and a clear blue sky.

**The Active Classroom
SPECIFIC and Swansea University**

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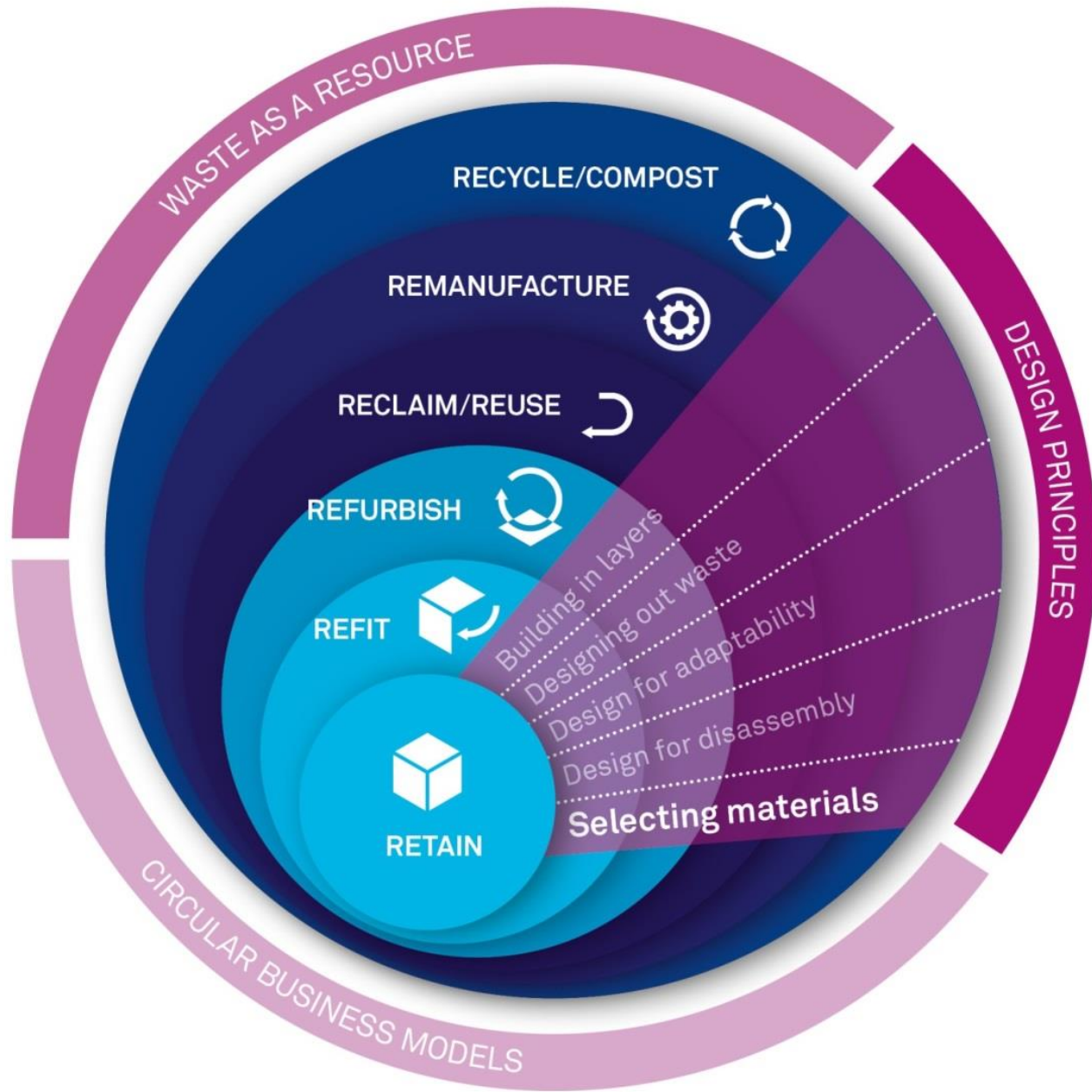
A photograph of the Children's Hall of Art in Rotterdam, a modern building with a red, textured facade and large windows, situated on a grassy hill overlooking a pond. Several ducks are swimming in the water in the foreground. The sky is blue with a bright sun.

**Children's Hall of Art in Rotterdam
(Jouke Post)**



**Villa Camera Facility House, Media Park, Hilversum
(Jouke Post)**

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The Enterprise Centre



(Architype)

Biocomp
osites

Compost
able
Hydroscop
pic





**ANWB Reizen building with Bosch Siemens building in the foreground
(Delta Development Group)**



The Power of Built-in

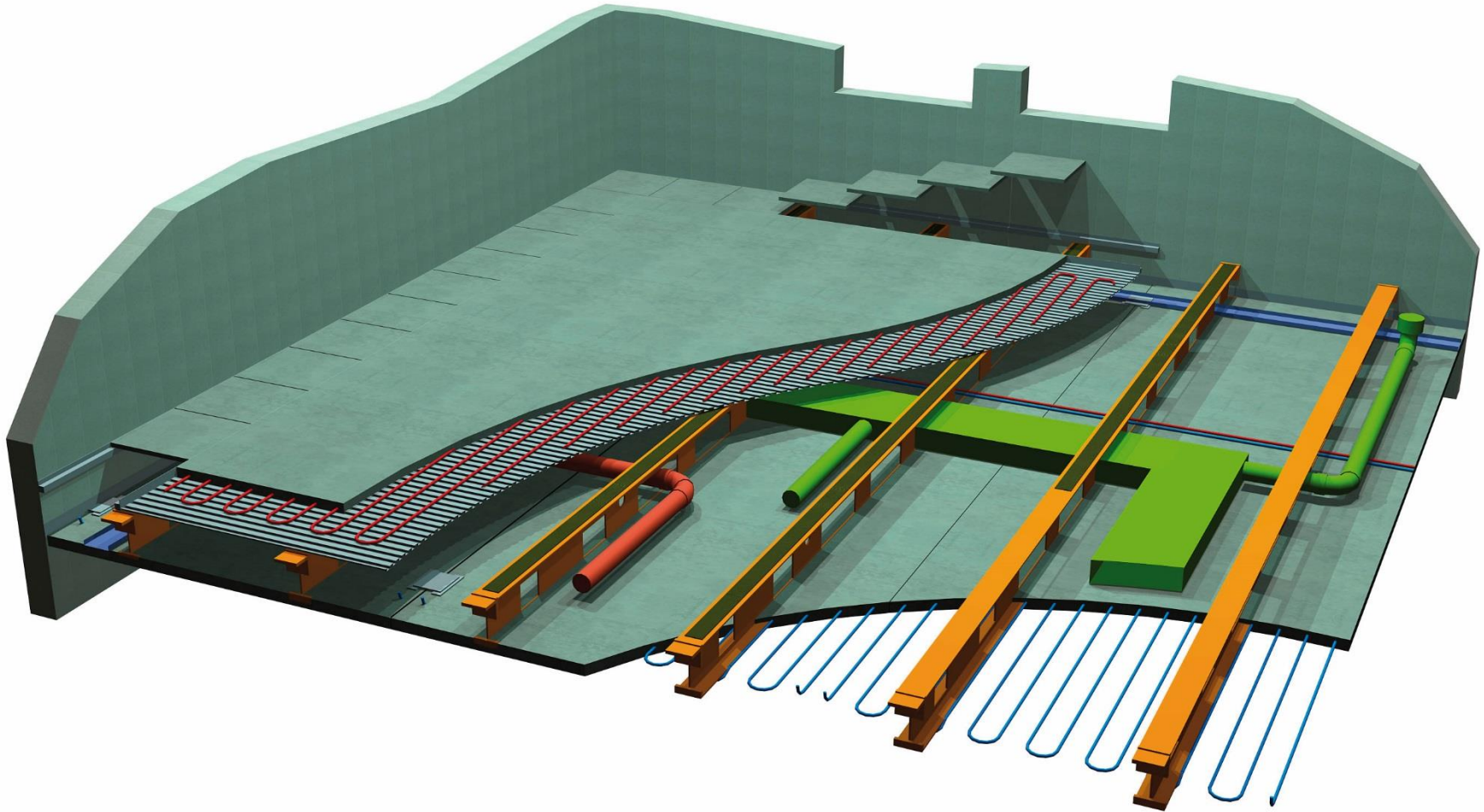
The Power of Built-in

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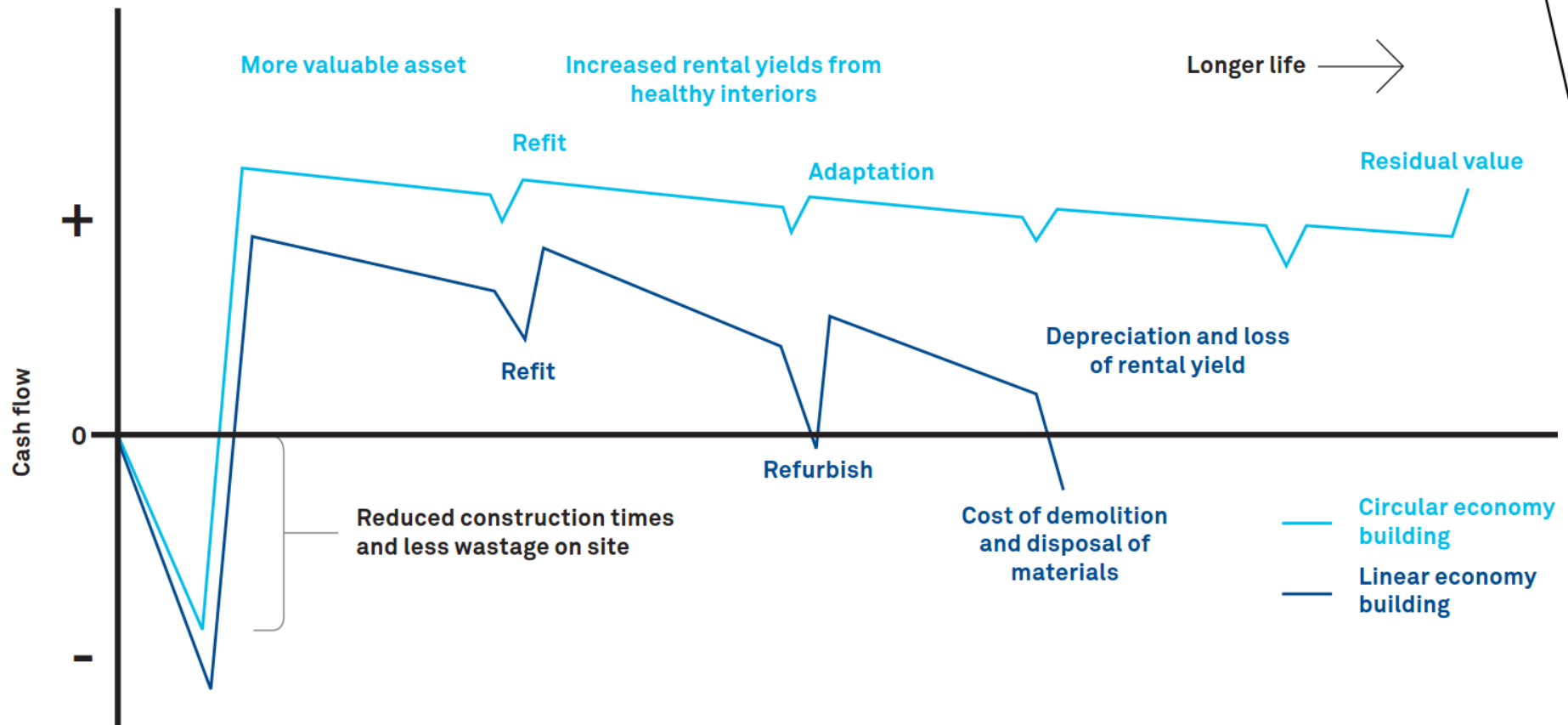
Slimline flooring system



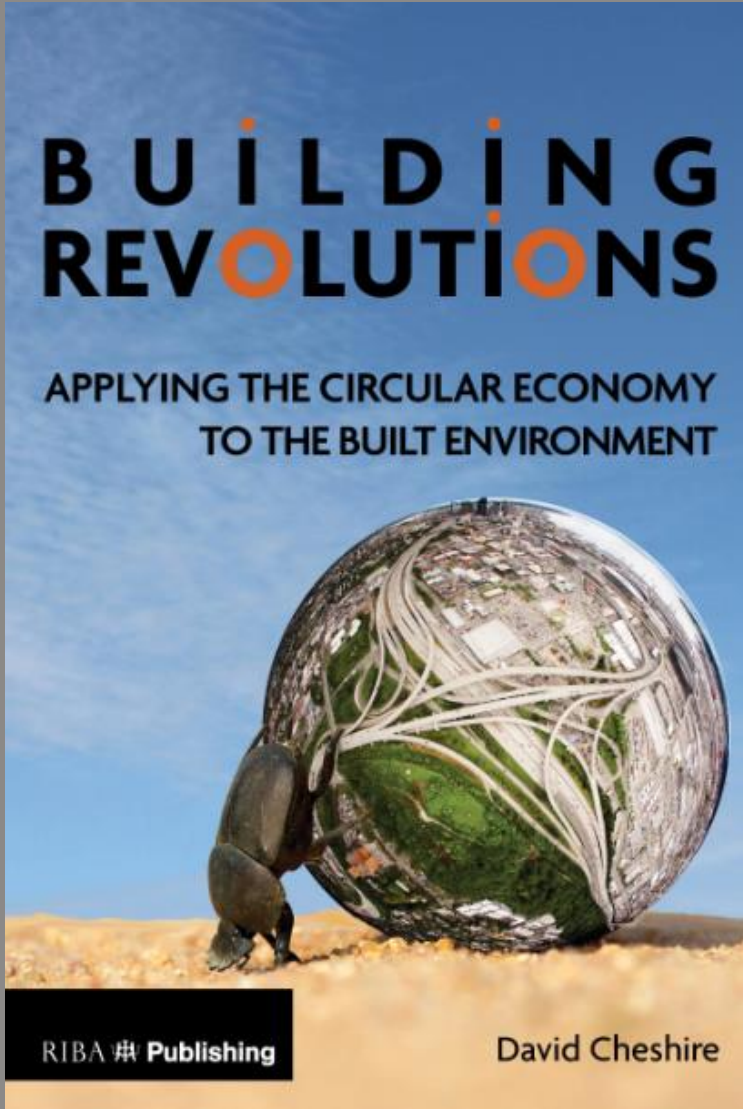
Slimline™

AECOM

Benefits of circular economy buildings



From: Building Revolutions, David Cheshire, RIBA



"Buildings as material banks, energy generators and service providers... The future of architecture and construction will play a key role in the transition to a circular economy, and David Cheshire's book makes a compelling case for a profound rethink."

The Ellen MacArthur Foundation

"I welcome the work David Cheshire has put into articulating a different future for an industry with so much potential for greater efficiencies."

Julie Hirigoyen, CEO, UK Green Building Council

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