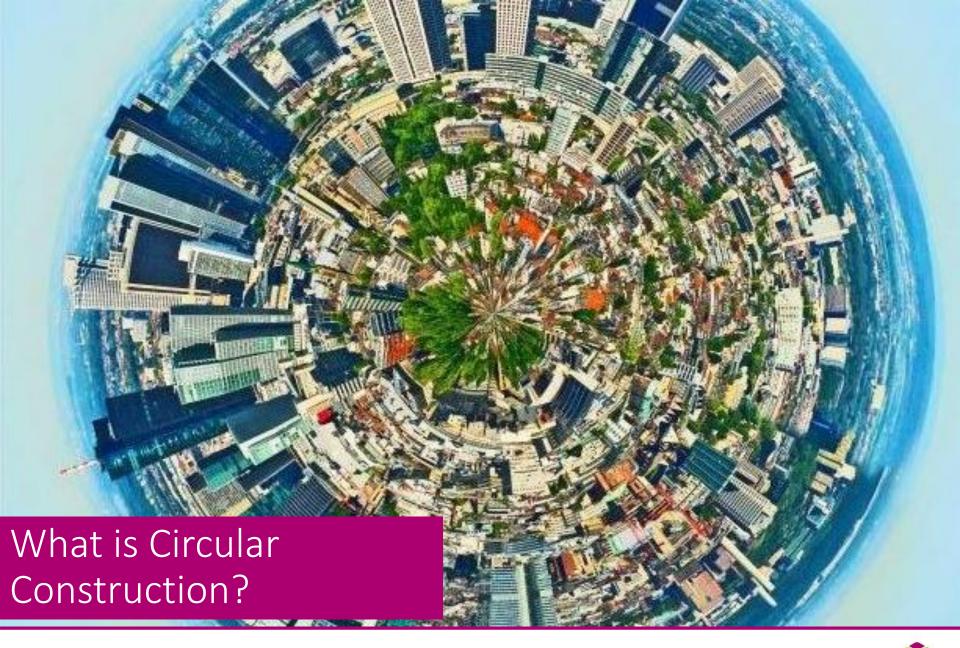
Circular
Construction –
what is it and why
do we need it?



Allan Sandilands | 13 March 2019







Circular construction

In a circular construction project architects, engineers and contractors should be considering how best to maximise material value while they are in use and then consider how these are recovered or regenerated at the end of their service life.









Twentieth Century – The Great Acceleration

- Growth of population grew by a factor of 3.7
- Annual extraction of construction materials grew by a factor of 34
- GHG emissions grew by a factor of 13
- Globally an area the size of the UK has been converted to buildings singe 1990
- Between 2011 -2013 China used more cement than the USA during the entire twentieth century

































Set the scene

- 1. Use the UKGBC practical guide
- Use the Zero Waste Scotland model procurement wording
- 3. Measure and monitor the project outcomes
- 4. Report and tell the story

https://www.ukgbc.org/wpcontent/uploads/2019/04/Circular-Economy-Report.pdf

https://www.resourceefficientscotland.com/ content/procuring-resource-efficientconstruction-projects





How to practically apply circular economy principles at the project brief stage

APRIL 2019

Partner:

pansors















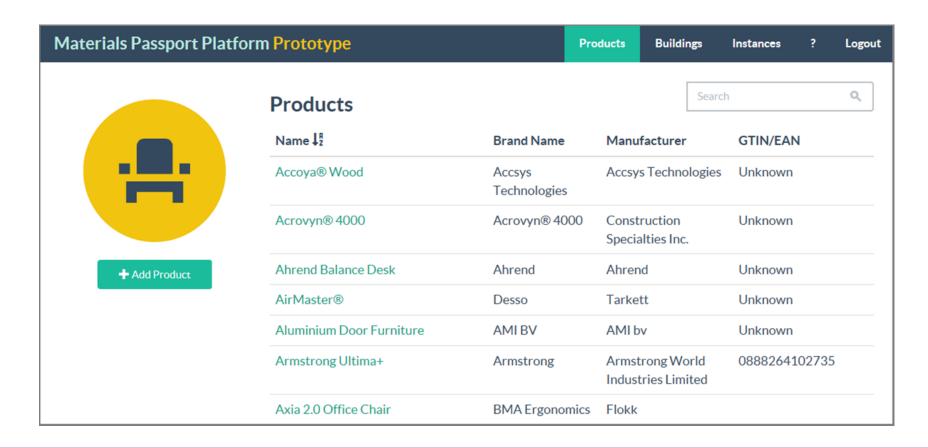


Map your material banks



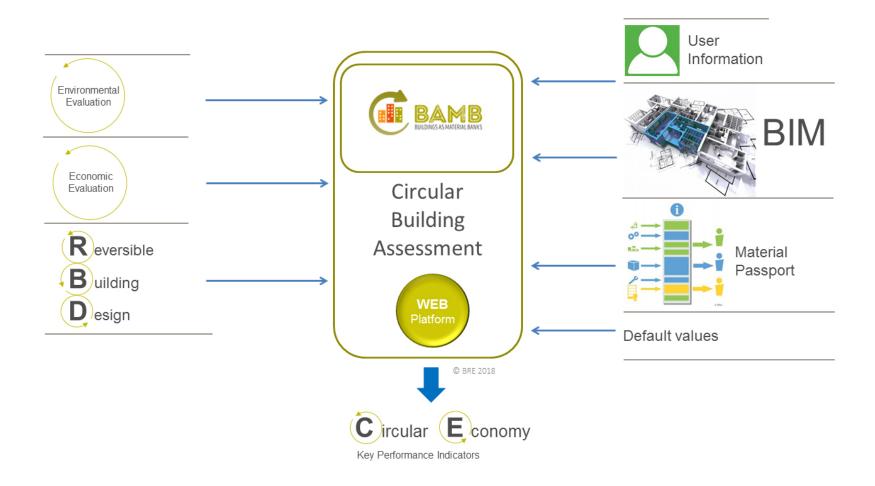


Know your materials and where they come from





Learn how circular your assets are





Access Business Support









Thank you



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