



Twilight Talk

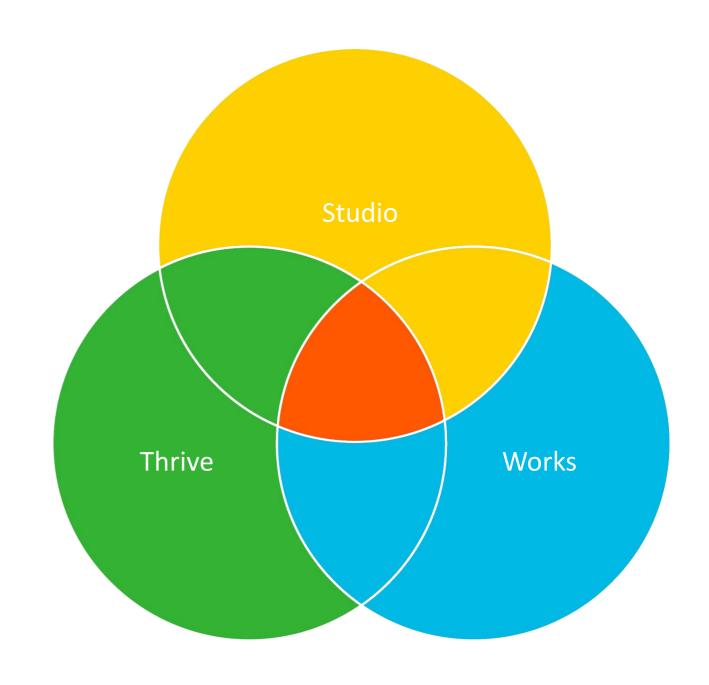
'Using 3D Digital Methods in Circular Design'

### Our Approach

The Chetwoods brand has three key elements: Studio, Works and Thrive.

These components inspire, support and complement each other.

- The grand concepts and imaginative leaps emanate from our Studio
- Works finds the best ways of transforming concepts and ideas into actuality
- Thrive contributes its pioneering thinking on enhancing our environment whilst improving our health





















# The Site A History of Experimentation









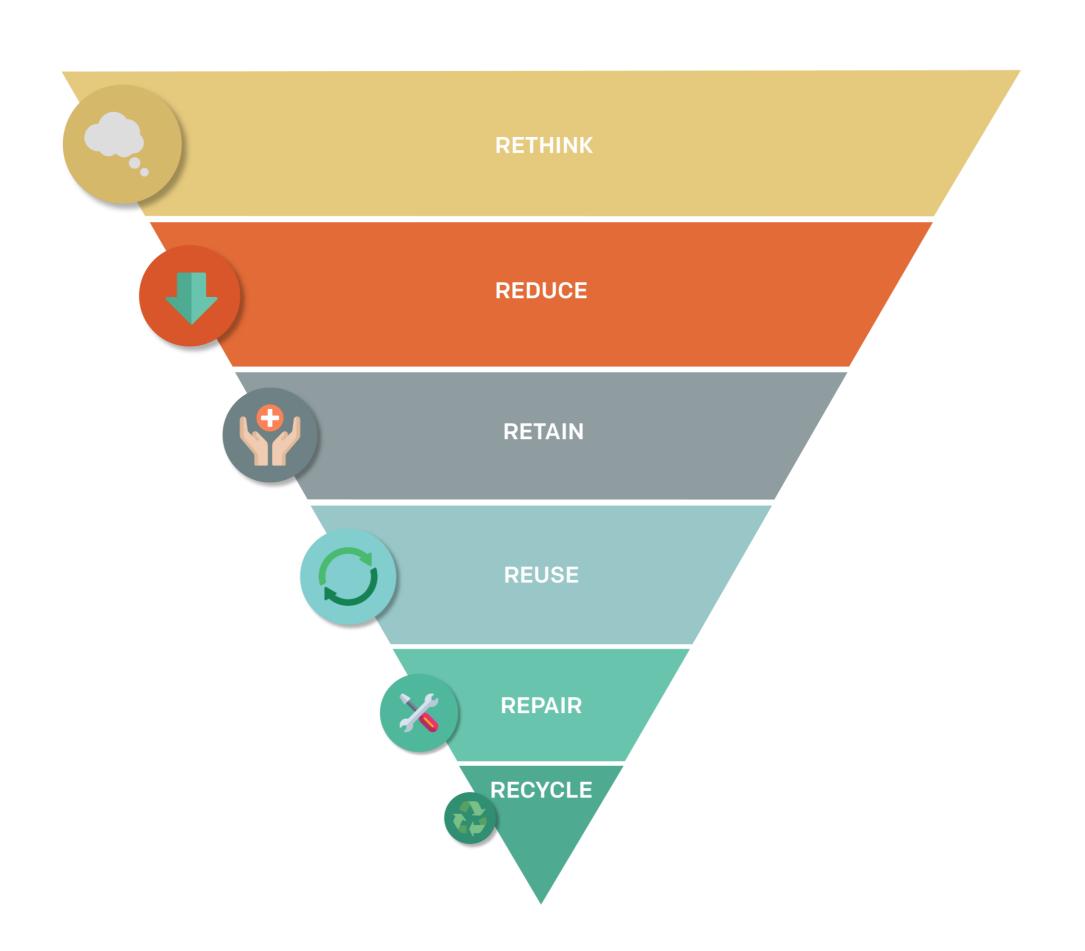




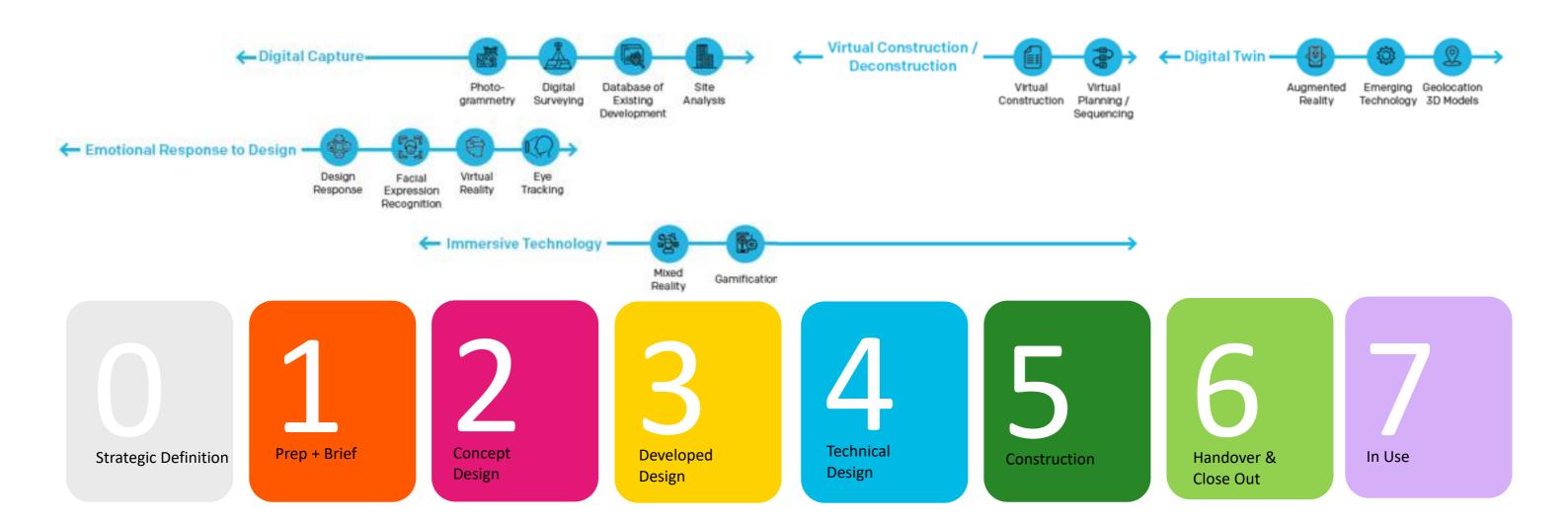








## Chetwoods Works Technology as Standard



# Chetwoods Works Technology Innovation



### Site Proposal The Hub Innovation Strategy



Digital Surveying



Virtual Tour



Scan2BIM



As—built Materials Verification Library



3D Modelling



Coordination

**Design Process** 

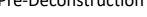


Project Handover



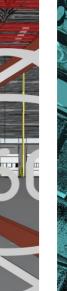
Digital Twin

#### Pre-Deconstruction

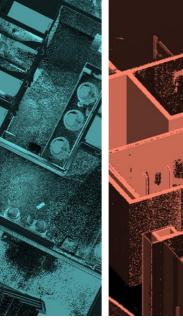




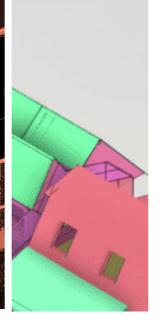
**Digital Survey** Virtual Tour



Scan2BIM



As—built Verification



Materials Library



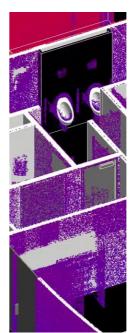
3D Modelling / Visualisation



Coordination



Design Review/ Marketing Suite



Technical Review

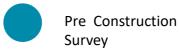


Building Management System



**Post Occupancy** 

Digital Twin (Post Occupancy)



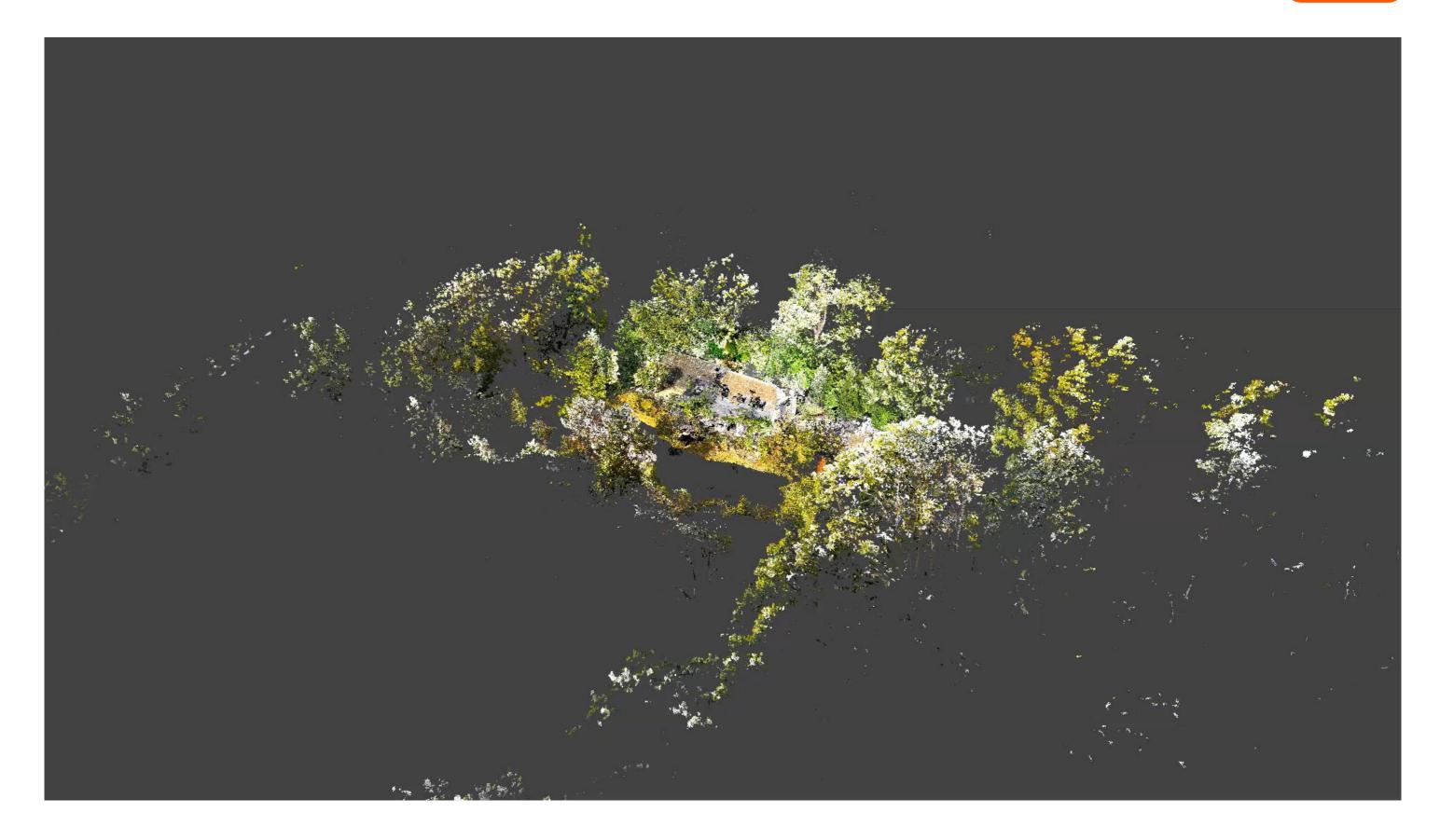


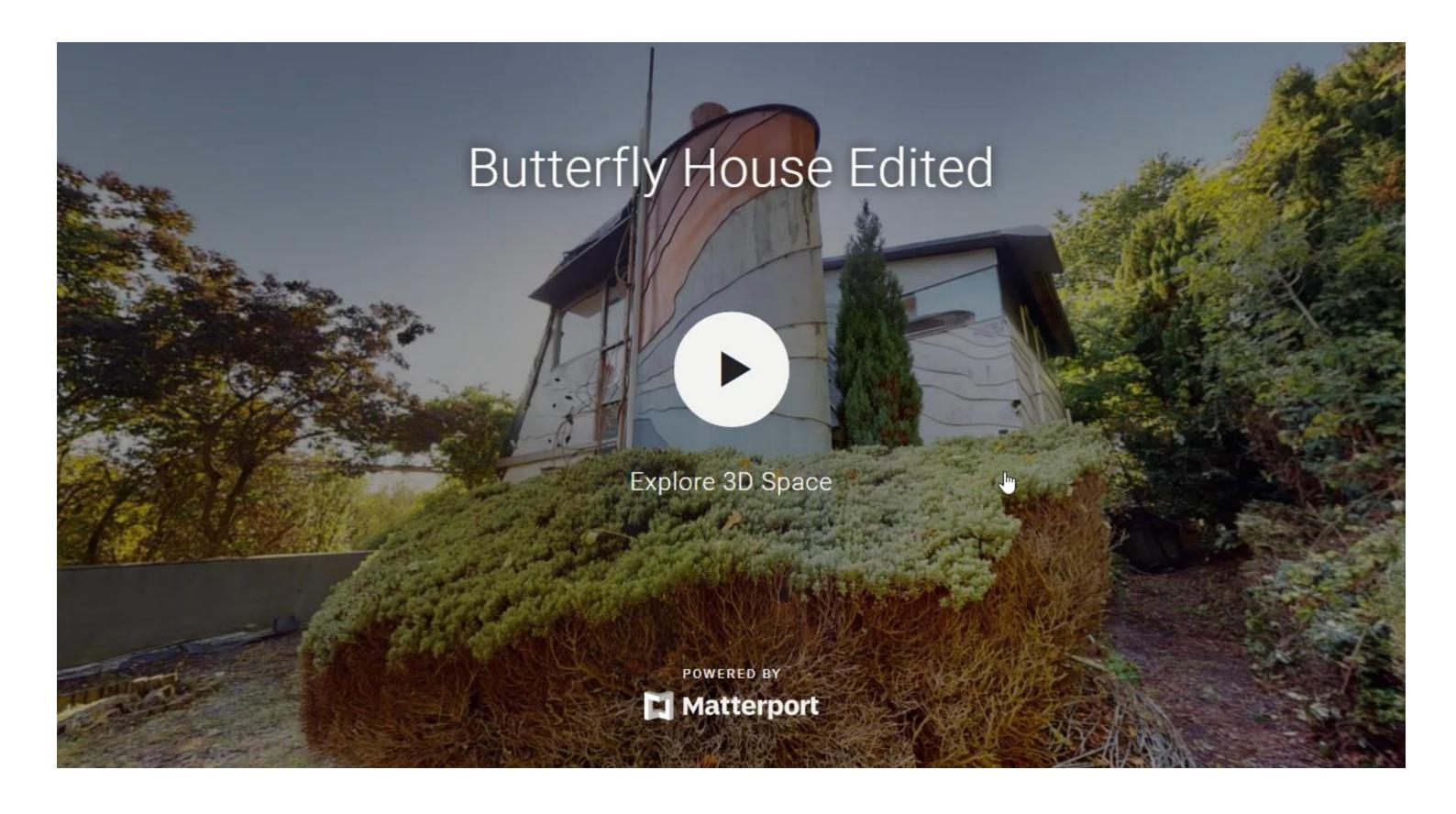


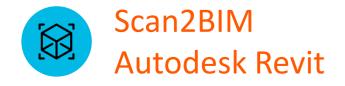
Digital Twin (Post Occupancy)

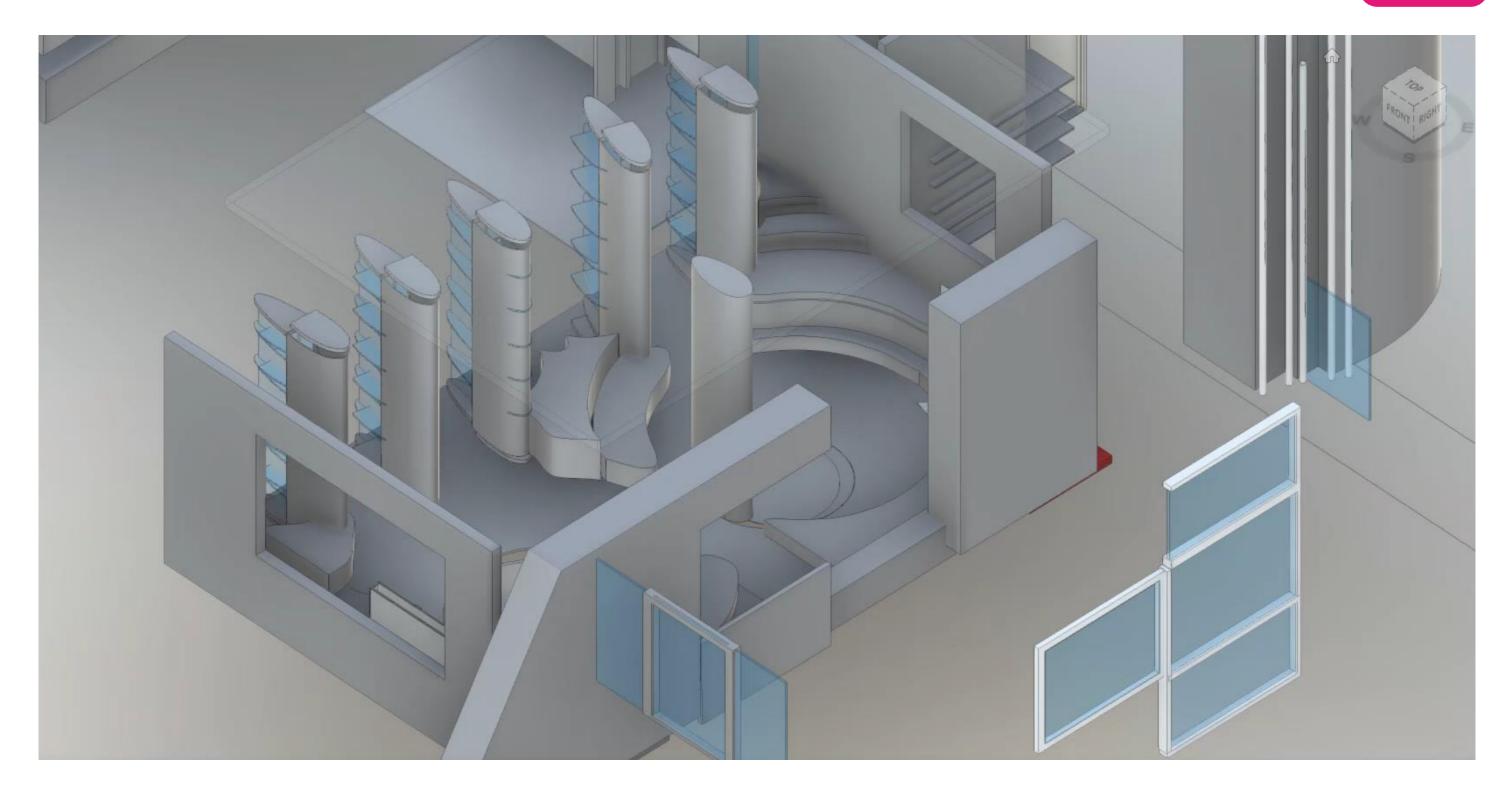


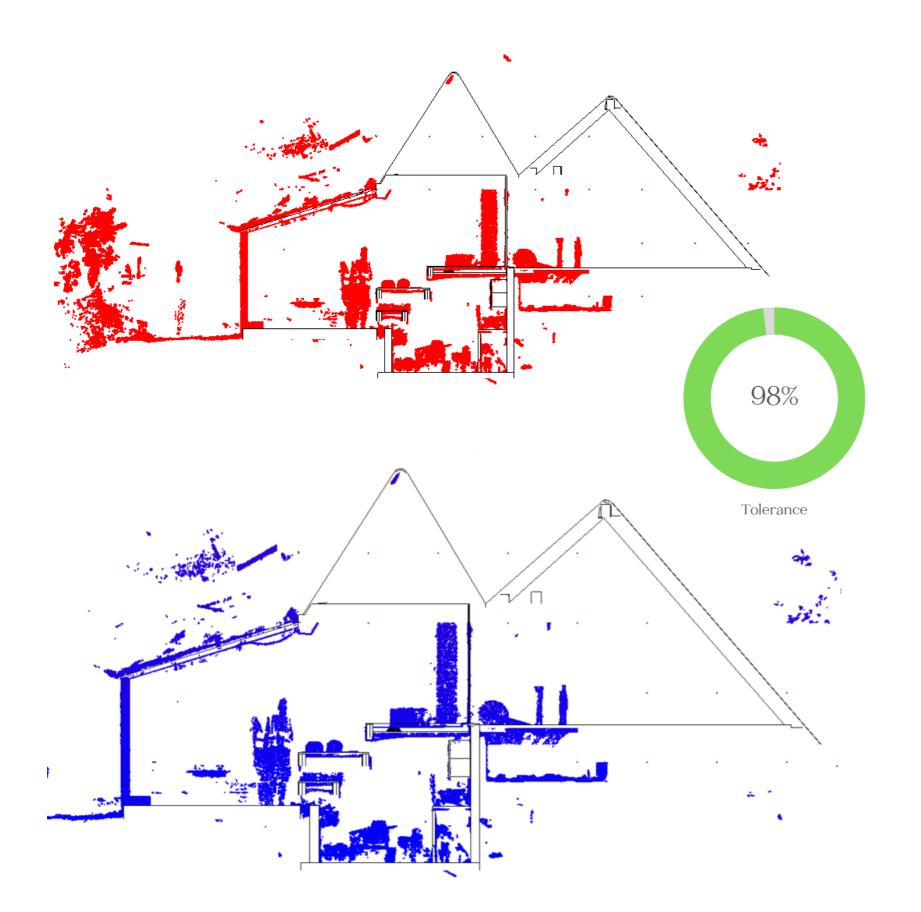


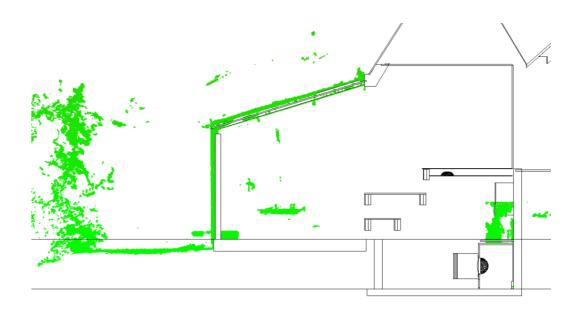


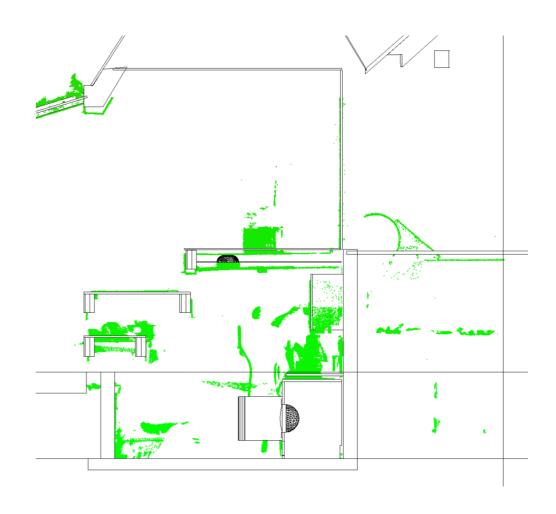


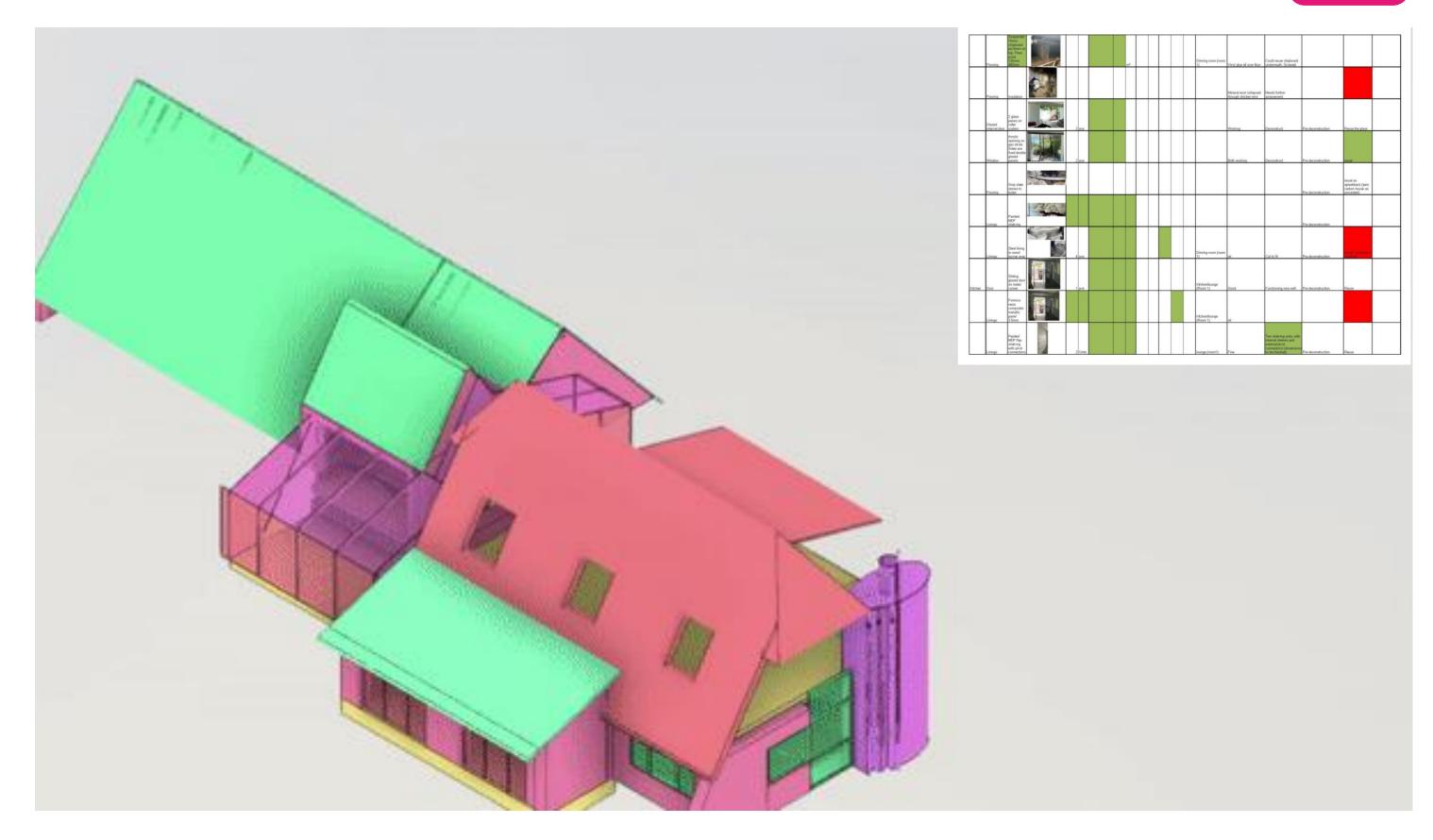














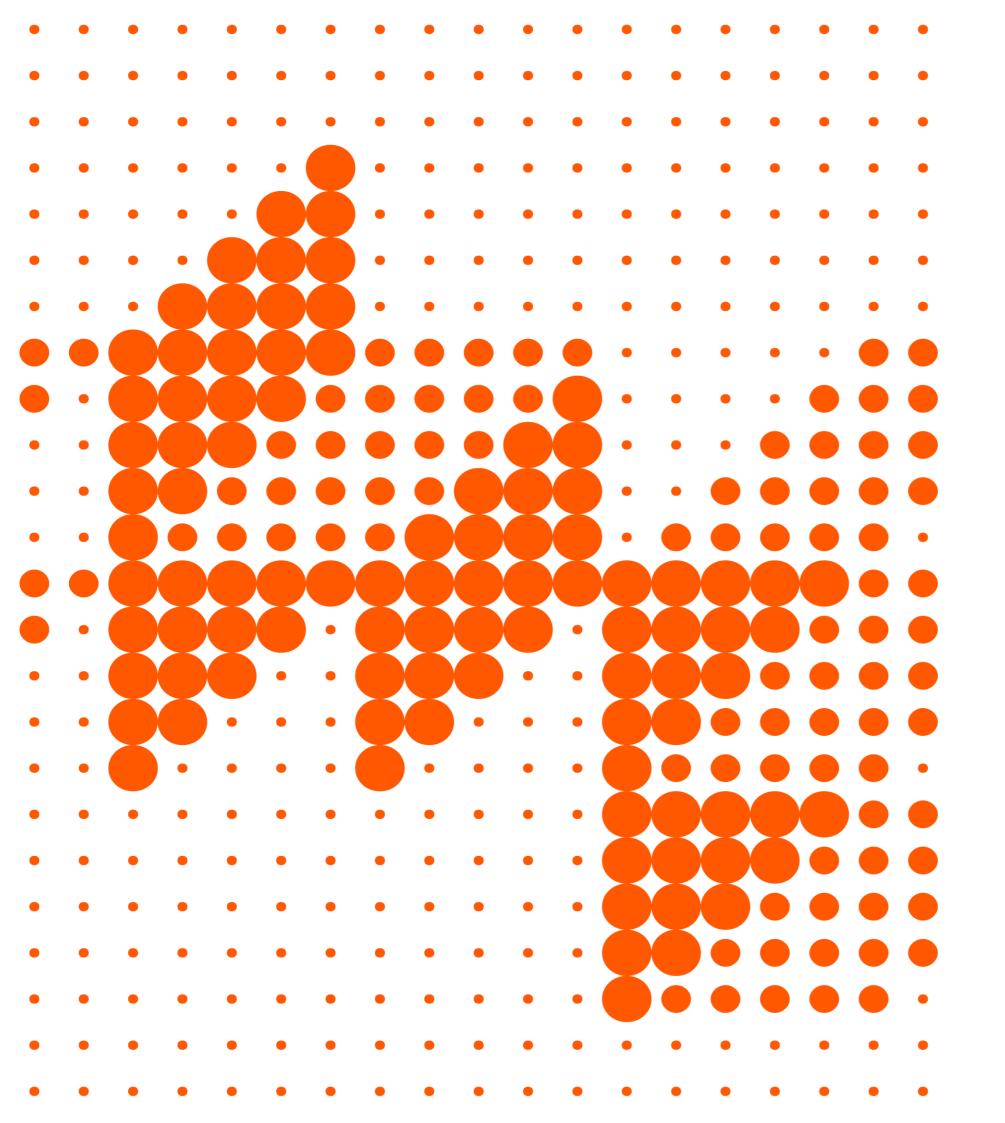
Having trialled this process on a live projects, we are going to share our learnings in a Deconstruction by Design Case Study pamphlet showing how technology could enable better reuse of materials.

- Methodology Introduction
- When to use this guidance
- What best practice we have built upon

### **Process**

- Digital Survey
- Laser scan survey Recap Point Cloud
- Scan2BIM
- Quality Assurance
- Materials Library







Thank you