

connected
everything.



Project Team:

The project team and timeframe

Over the next 12 months, the University of Plymouth and Raise the Roof will investigate the feasibility of manufacturing approaches for the sustainable design of customisable community housing projects. As part of an extended network of partners, and leveraging the resources of our Digital Fabrication and Immersive Media Laboratories, we expect to reveal design opportunities, participatory methodologies and production methods contributing to the delivery of local housing, by local people.

What does the project demonstrate?

Currently, manufacturing technologies contribute to the design of building components with limited input from end users, creating additional professional and technical barriers for participatory design, and neglecting local building expertise and materials in favour of standardised and distributed processes. Raise the Roof is working with local communities in Bridport to challenge this, and leverage participatory methods for more inclusive and sustainable built environments.

Trainees building a tiny house with Wessex Community Assets and Assemble Studio, Bridport

Our approach addresses the need to position manufacturing as a more participatory, porous and accessible field for local communities and sustainable materials, and demonstrates both technologies as well as methodologies for community housing design using physical (e.g. Digital Fabrication) and virtual (e.g. Immersive Media) technology.



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