

Integer House

OPPORTUNITY

The Scottish Government have set a target of 50,000 affordable homes to be built by 2021. Alongside this target, there is an acute shortage of affordable homes in rural communities - just one in ten homes are considered affordable, in comparison with one in five in urban areas. Opportunities exist for quality, low-energy and affordable homes to be built in rural locations using simple and efficient processes that do not require large offsite facilities for manufacturing.

PROJECT

Roof trusses are the most common and cost-effective way to build roofs in the UK. This project will carry out the conceptual design and development of a house product that uses the well-understood concept and technology of truss fabrication to design a new truss type that will provide the super structure and envelope for an entire house, including floors, walls and the roof.

OUTCOMES

- Development of a new house product
- Development of a new build process (air and watertight in 3-4 days) using just-in-time delivery to site



- Reduced storage space required on site
- Reduced on-site waste
- 6 new jobs with the manufacturer are planned
- 18 new jobs planned through the supply chain

SUPPORT

Total Project value - £100k

CSIC Contribution - £50k

PROJECT DURATION

November 2017 - December 2018

Innovation Support: Product Innovation

Sub Sector: Private Housebuilding