

# Passivhaus standard comparative build project

## OPPORTUNITY

The Scottish government aims to cut Carbon emissions by 42%, more than a third of 1990 levels, by 2020. One way of achieving this would be by making homes more energy efficient by moving towards Passivhaus standard, in line with Northern Europe. This standard is well established and will now be adopted as a standard for European Building Regulations by 2018.

This project is a great showcase for the low carbon technologies being developed in Scotland, with the potential to be adopted in future housing developments across the UK creating wide ranging long-term benefits for the Scottish economy, the environment and occupiers.

## PROJECT

This project will demonstrate that the 'Passivhaus' standards (PH) can be applied to provide high quality housing at a competitive cost level using the local Scottish supply chain and can be taken to mass market.

**Innovation Support:** Product Innovation  
**Sub Sector:** Private Housebuilding

## OUTCOMES

20 new jobs at Dandara in Scotland could be created and around 80 new jobs along the supply chain if new products that bear the Passivhaus seal can be developed/approved.

This project could also make a significant contribution to the national target to have all newly built homes carbon-neutral by 2020.

## SUPPORT

Total Project Value £147k

CSIC Contribution £54k

## PROJECT DURATION

January 2017 – June 2018

