

Orbit FORCE Project

MISSION

- To pursue the project vision for Coventry and Warwickshire by comprehensively assessing the effects of building to the UK Code Level 6 or German Passivhaus standards for sustainable construction, by designing and constructing a pair of detached houses, each built to one of the standards.
- To enable FORCE and the partners to lead the local debate and initiatives in sustainable home development
- To develop, prove and promote local capability in the design and build management of homes using the latest standards
- To showcase and increase the public awareness and demand for sustainable homes and provide an ongoing showcase for FORCE members.

OBJECTIVES

The objectives set by the joint project team are:

- To design and construct a pair of semi-detached houses, each to be built to either the Code level 6 or Passivhaus criteria, for occupation, initially open to the public
 - To provide a demonstration project, backed up with real data on design construction, procurement, economy and performance
 - To benchmark and validate the business case for sustainable developments
 - To prove that sustainable designs do create affordable homes
 - To develop a financial model for assessing the commercial viability of sustainable of the Beattie Passive Build System of social housing
 - To collaborate with local suppliers to encourage the development of a strong local supply chain in sustainable construction and deliver the frame and build with local youth labour from Coventry City Collage
 - To share best practice and education
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