

Flying Factory Offering

Beattie Passive's Flying Factories enable you to deliver your own Passivhaus standard housing with off-site manufacture and rapid on-site assembly.

Benefits of the Flying Factory

Our Flying Factory solution gives you the “know-how” and support to set up and run a Passivhaus Factory, providing you with the confidence and ability to manufacture to Passivhaus standard on a large scale.

Benefits include:

- Setting up the factory **on the construction site or at a location close by** which greatly reduces the logistical challenges and costs often associated with off-site construction
- **Faster delivery** of the system, as the panels are moved straight from manufacture to being erected on site
- Using a **local workforce** or your DLO, who are fully trained and employed to manufacture and erect the houses
- Use of **your existing supply chain** to achieve economies of scale

There are three delivery platforms available with the Beattie Passive Flying Factory:

- Stick built
- Open panel
- Volumetric / Modular (additional training required)

Depending on the delivery method you wish to deliver, the Flying Factory will vary in size. The Flying Factory can be set up in your own own existing buildings or in off-site portable units.



The Flying Factory package includes the following:

- Beattie Passive Training (2 weeks)
- Support to set up the factory (1 week) - full support and know-how to set up and start manufacturing in your own Flying Factory
- Onsite Training (3 weeks) indepth onsite training running alongside the erection of the first house, covering the key elements of the Beattie Passive onsite works for the Structural Thermal Envelope
- Regular visits from Beattie Passive Technical Expert to provide advice, training, guidance, innovations and process improvements – this will ensure that new improvements and innovation are passed onto your team to continuously improve the quality and performance of the system, improve efficiency of factory operations and share new innovations

Flying Factory Partners



Creating Enterprise is a wholly owned subsidiary of Cartrefi Conwy Housing Association. The organisation was set up as a Social Enterprise providing a wide range of property maintenance activities to both private and public sector, reinvesting profits to give those furthest from the job market work place opportunities.

They are now embarking on an ambitious development programme of quality, affordable homes across the North Wales Coast. Creating Enterprise are the first Welsh organisation to set up their Beattie Passive Factory in Holyhead and have started manufacturing homes for a number of small developments across North Wales.



“Beattie Passive not only deliver high quality Passivhaus homes, they also actively engage with the local community to bring vital skills and education in construction. These values run parallel to our own and having outlined our housing objectives, it was clear that a Factory would be hugely effective in helping us to achieve them. We look forward to a long and productive relationship with Beattie Passive.” Andrew Bowden - CEO Cartrefi Conwy



The Toolshed is part of a social enterprise education provision managed by The New Meaning Foundation, part of a not-for-profit organisation. The Toolshed teaches and encourages young people to learn new skills and help them develop confidence, self-belief and to gain life skills.

Beattie Passive has provided workshop based training for 5 young people at their Training Academy in Norfolk. Following this, the trainees developed their skills on-site though erecting units at the Graven Hill Custom Build project in Oxfordshire. From early 2019 The Toolshed will be manufacturing and erecting homes for clients across the UK including the Vale of Aylesbury Housing Trust.



“We came across the Beattie Passive system five years ago and instantly saw how it would support our vision to establish ToolShed Training and Works centres. The fact that the Beattie Passive structures can be built using one/two skilled trades people and remainder can be unskilled was particularly attractive to us because it supports our training and positive reinforcement model and through training unskilled workers in a relatively short period of time we can expand the number of build contracts and work placements that we can deliver. Within the next 12 months we are aiming to have three teams capable of building Beattie Passive structures, expanding the Beattie Passive build team to 20 people and offering 15 work placements per year.” David Lett - Trustee Director at New Meaning Foundation

Simplifying Passivhaus with the Beattie Passive System

Beattie Passive provide an award winning, innovative offsite manufactured timber frame build system that guarantees the performance of Passivhaus, the gold standard of energy efficiency.

Passivhaus living - changing the way you live now for the future

Zero Carbon
Flexible
Healthy
Quality
Local
Expertise

Near zero energy bills giving your residents energy security for the future.
 Fully adaptable design, bespoke homes as standard.
 Healthier, cleaner, fresher environment for your residents.
 Guaranteed high performance. Superior build quality that is fully tested.
 Built for locals by local people. Designed and manufactured in the UK.
 Passivhaus experts bringing your new homes to you, wherever you are.



For more information contact 08456 449003 | www.beattiepassive.com