







The background to current housing pressures in Cardiff

In December, Cardiff announced a housing emergency with the demand for temporary housing far exceeding supply.

New ways of delivering high quality, temporary accommodation are desperately needed in order to mitigate current housing pressures

Learning from emergency housing projects delivered during the pandemic, the rapid installation of modular homes as a meanwhile use of future development sites can offer a realistic solution.

What are the Current Pressures?



Cardiff has around 1,700 Temporary Accommodation units (707 families, 806 singles, and 186 young people)

However, all Temporary Accommodation Units are full.



28 more families are entering accommodation than are exiting to permanent homes each month



Combined waiting lists for Temporary Accommodation are up 150% since 2021



Single people presenting for Emergency Accommodation has increased to 88 per night



The number of people rough sleeping has increased to 43

There are 8,000 people on the housing waiting list

Demand for affordable housing is far exceeding supply

Emergency response

- Due to this demand, short-term emergency accommodation has been established
- The Council now has exclusive use of 4 hotels, offering 326 units of accommodation.
- Support from council staff is available on all sites and other services, such Early Help, Play, and Advice Services also provide assistance from these locations.
- However, this is not a long-term solution and new high-quality and sustainable homes providing temporary accommodation is needed.
- Working in collaboration with modular providers and a contracting partner, supported by Transitional Accommodation Capital Programme (TACP) grant funding from Welsh Government, Cardiff is delivering a significant meanwhile use across the city

Leading the Net Zero Housing Revolution with Passivhaus

Beattie Passive deliver an award-winning, innovative design and build system that simplifies the delivery of Passivhaus and Net Zero homes.





First Build System certified by the PHI



Over 600 homes built to Passivhaus Standard



Saved **2,987** tonnes/m² of carbon



Multiple flexible delivery methods incl. modular

We're working to promote Passivhaus as the optimal route to achieve Net Zero in housing. Our team is also highly experienced in delivering EnerPHit standard deep retrofits to decarbonise your existing housing stock.



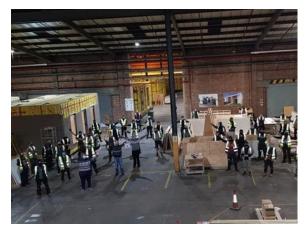


Beattie Passive - Passionate About Raising Building Standards

| - | Semi-skilled labour | \rightarrow | Training and employment opportunities |
|--|--------------------------------|---------------|--|
| 11 年 111 11 日 111 11 日 111 | Flexible design | \rightarrow | In house technical design - incorporating your designs into our system |
| \checkmark | Guaranteed performance | \rightarrow | Every house is tested and certified to ensure it is built as designed |
| | Flood proofing | \rightarrow | Designed in as standard |
| *** | Radon protection | \rightarrow | Built in as standard |
| * | Fire Protection | \rightarrow | 4-hour fire protection to party wall |
| »? | Sound proofing | \rightarrow | Low sound transmission between buildings |
| | Easy inspection of buildings | \rightarrow | All structural parts are open for inspection |
| | Sustainable materials | \rightarrow | Materials A rating in BRE Green guides |
| ₽ | Site waste | \rightarrow | Minimal on-site wastage |
| © | Lifetime home – flexible space | \rightarrow | No load bearing internal walls |
| | Longevity | \rightarrow | 60 year+ design life |
| | | | |

Scaling Delivery to Meet Demand

Our Factory offering enable us to set up factories across the UK, for low capital investment to deliver homes locally whilst also providing employments opportunities.











Employment – **75+ new jobs** for the local community



For every £1 spent on locally constructed homes, £3.19 is put back into the local economy.

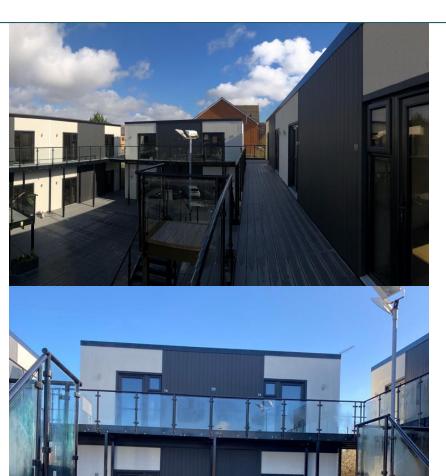


Delivering 400 homes could save up to **65,500 tonnes of Carbon**. Whilst, Retrofitting could save over **52,000 tonnes of Carbon** over the life span of the buildings.

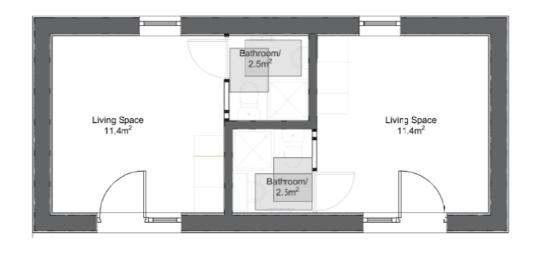
Hayes Place

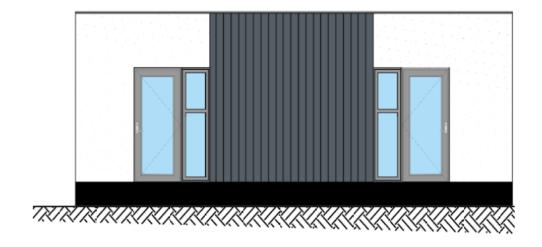






Haus4Studio Floor Plans/Elevations





Ferry Road





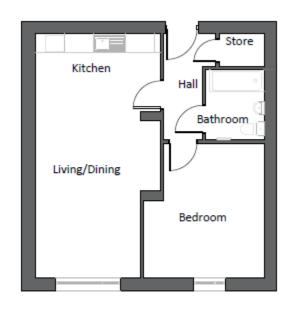








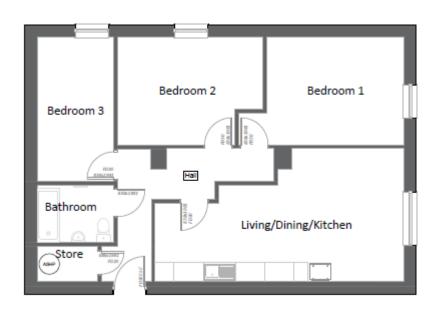
Haus4One, Haus4Two and Haus4Three Floor Plans







2 Bed Apartment



3 Bed Apartment

Independent Lifecycle Analysis

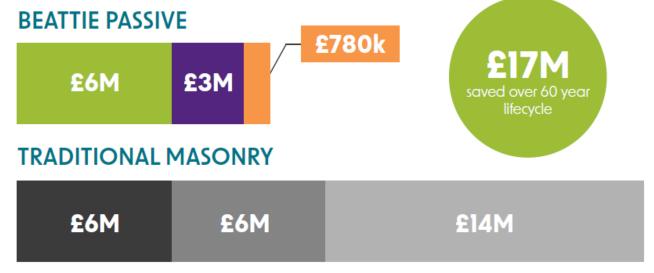


Fig 1. Potential lifecycle cost savings when compared to a like-for-like traditional masonry build with average energy consumptions. Lifecycle of build assumed to be 60 years, in line with guidance from the RICS.











Meanwhile Modular - Gasworks





Working with Wates in Wales



















Contract value: £44 million

Programme: 14 Months

Welsh Government Grant: £16 million

Main Contractor – Wates Daiwa @Home Beattie Passive













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