

CONNECTOR HOUSING

Riverside Sunderland, Vaux Site

Connector Housing is a flexible and adaptable system for age-friendly, multi-generational housing and neighbourhoods. Designed to accommodate the best of any available materials, construction systems and technology, Connector Housing is flexible enough to be implemented today and in the future.

The Sunderland scheme is based on the Home of 2030 RIBA competition joint- winning entry. It seeks to deliver on the aspirational building performance objectives and become a marker for excellence in design. The building demonstrates how a modular design can be adapted to reflect the specific site and its surroundings. It looks to the future of building and respects both traditional and innovative values.

The building is generated and inspired by the site and its surroundings. Four different shades of green glazed terracotta are used, carefully selected with reference to the vegetation found in the area while the slate cladding of the roof and façade echo the cliffs in the adjacent riverside park.

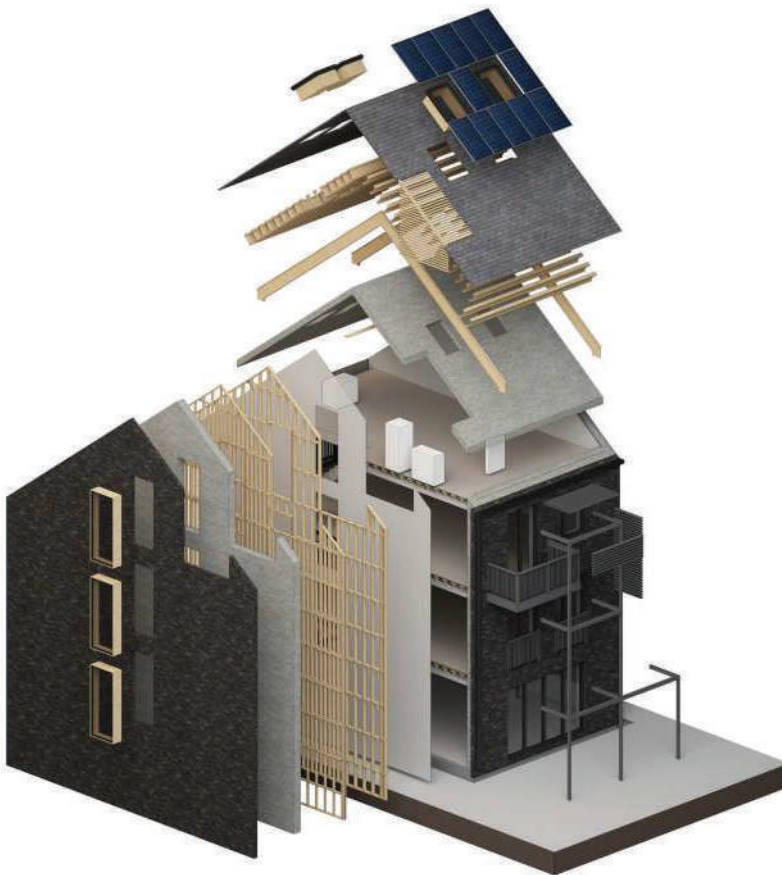
The engineering services represent a totally integrated approach to design and a net zero building. Like the housing, they are provided in a modular form to enable a plug and play solution suited to the full range

of housing and apartments. The housing provides high daylight levels together with a net zero carbon footprint, without any carbon offsets, using technology available today. It has been assessed to be thermally comfortable for all targets to 2080. It has 20%+ better embodied carbon than the RIBA 2030 Climate Challenge target for residential without sequestration and its energy consumption is 55% lower than the current new-build average. The building materials have been selected to provide a healthy living environment, with excellent ventilation and acoustics. The smart home philosophy enables smart technology to be added seamlessly. It has an outstanding environmental performance without compromising internal light levels.

This project will be part of the 2026 Sunderland Housing Expo.



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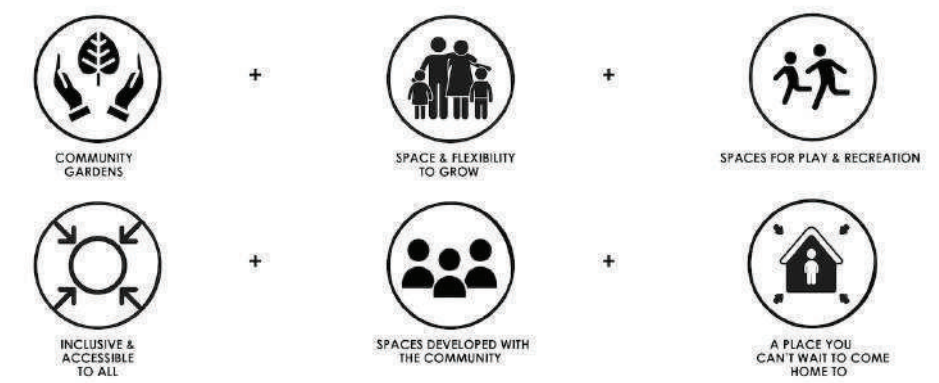


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- 1 Street facing elevation of the Connector Housing, Sunderland scheme
- 2 Home of 2030 competition visual of Connector Housing
- 3 Home of 2030 competition exploded axonometric of Connector Housing



1 Axonometric of the Connector Housing, Sunderland scheme
2 Home of 2030 competition visual of Connector Housing
3 Core values of Connector Housing



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