Specifiche Premio | Accessibilità | Sostenibilità | Qualità della Vita

Nome Prodotto	**Kingspan 'Lighthouse'**
Progettista	Sheppard Robson
Azienda Produttrice	**Sheppard Robson**
Campo di attivit	Sustainable Housing
Certificazioni	Level 6 (the highest level) of the Code for Sustainable Homes
Azienda distributrice	Sheppard Robson
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e dell' innovazione	www.sheppardrobson.com

Descrizione del prodotto

PRODUCT AND INNOVATIONS DESCRIPTION
The Lighthouse is the UK's first net zero carbon house that also meets Level 6 (the highest level) of the Code for Sustainable Homes, the standard to which all new homes must be constructed by 2016. It is designed to provide a way of living that encourages lifestyles which are inherently 'light' on the world's resources balancing the practical requirements of homeowners with a response to the expected climate change in the UK.
The design and construction of the house proves that a carbon-free house is achievable but it places the responsibility on both the technologies and its user. It is a living experience which relies on the occupant adapting their lifestyle; an action we all need to take if we are to make any real impact on the UK's environmental future.
The heart of the design concept for the Lighthouse, the prototype of which is 93m2, two and a half storey, two bedroom house, is the ambition to create homes where the environmental systems and construction methods do not compromise the quality of the occupant's life but add to it. It has been designed in line with Lifetime Homes and Scheme Development Standards.

Materiali

Although not mandatory to the Code, every building material and component used is specified for its ability to optimise the house's overall sustainability credentials and minimise embodied energy and maximise recycled content and reuse.
These include: Timber frame, sweet chestnut cladding, screw piles, floating ground floor, replacing a concrete slab, wool carpet, natural rubber flooring.

Dimensioni

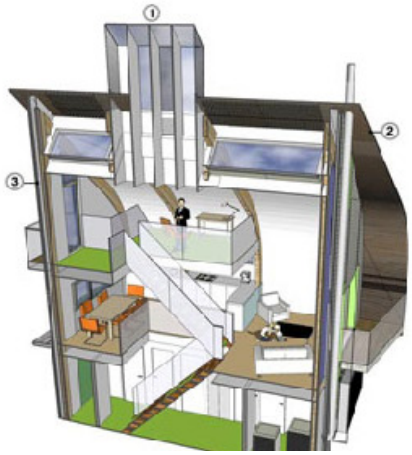
Tecnologia / Funzionamento

On plan:
Externally approx 9250 x 5850mm Internally approx 8425 x 5025mm
Ground to ridge height externally approx 11400mm

The structure of the Lighthouse is a simple barnlike form, derived from a 40 degree roof accommodating a PV array. The sweeping roof envelops the central space – a generous, openplan, top-lit, double height living space, with the sleeping accommodation at ground level. The living space uses a timber portal structure so floors can be slotted between the frames or left open as required.

Benefici per l'ambiente

Emission free

Benefici per la persona

Altri prodotti che seguono criteri di innovazione accessibile e sostenibile per una migliore qualit della vita