



The Light House, Barton Hill, Bristol



Stride Treglown are a multidisciplinary company and are listed within the top 25 architectural practices in the UK. KB² have been working with Stride Treglown for the past 25 years, they value our vast expertise and structural engineering abilities which ensure their projects are built to the highest of quality.

The Light House is a four-storey, steel-framed building founded on piled foundations within a relatively tight site, alongside a terrace of houses built in the 1800s. Due to the close proximity of the existing buildings it was crucial that the technical engineering aspect of the build was carried out with extreme care and precision to avoid foundation problems.

The design of the structure used a three-dimensional finite element analysis programme to obtain an economic weight of steelwork. The floors are constructed of composite metal deck/concrete construction producing a very efficient floor. As access to the site is limited maintenance-free, timber-veneered panels are used to clad the building and the free-standing louver screen shades a glazed social room and veranda from the surrounding terraced houses.

The Light House is an innovational and inspirational building which conveys the cohesive partnering of engineering and architecture. The construction costs for this project totalled £1.3 million and the building received a mention in the 2004 Civic Trust Awards scheme. In 2007 The Lighthouse came 2nd in the BBC Inside Out West Architectural Competition where members of the public cast their votes for their favourite building in the West of England.



“Originally the costs were too high for us to afford under the Community at Heart programme. KB² worked hard with Architect Stride Treglown to find a Design and Build contractor who could deliver the build on time and within budget.”

Joanna Holmes, Chief Executive Officer -
The Barton Hill Settlement, Bristol

KB² Consulting Civil & Structural Engineers

Providing engineering certainty by delivering intelligent designs, minimising project risk and applying principles of sustainability.

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