

BRE Modular Classroom

0318

A modular, two-classroom school section built as part of the BRE-Innovation Park 2006, one of six showcase buildings demonstrating innovative and sustainable solutions for the built environment. The school aimed to be carbon neutral and the total carbon emissions associated with the embodied energy of materials is negative (-40.9 tonnes CO₂). This is due to the high content of wood in the school, reducing the carbon intensity of the building by 55.7 tonnes of CO₂.

SERVICES

structural design of light-weight steel support structure
structural design of timber superstructure
supply and installation of timber superstructure

MATERIALS

crosslam, glulam
steel support structure

INSTALLATION

1 week

GIFA

325m²

STORED CARBON

83 tonnes CO₂



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CLIENT

BRE Innovation Park

ARCHITECT

White Design

TIMBER ENGINEER

Eurban

MAIN CONTRACTOR

Re-Thinking

PROJECT VALUE

£650,000

COMPLETION

2006

ENVIRONMENTAL RATING

BREEAM excellent



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