PROJECT

# MAYFIELD SCHOOL

LOCATION
Redbridge, London

EDUCATIONAL BUILDINGS

## **PROJECT** DESCRIPTION

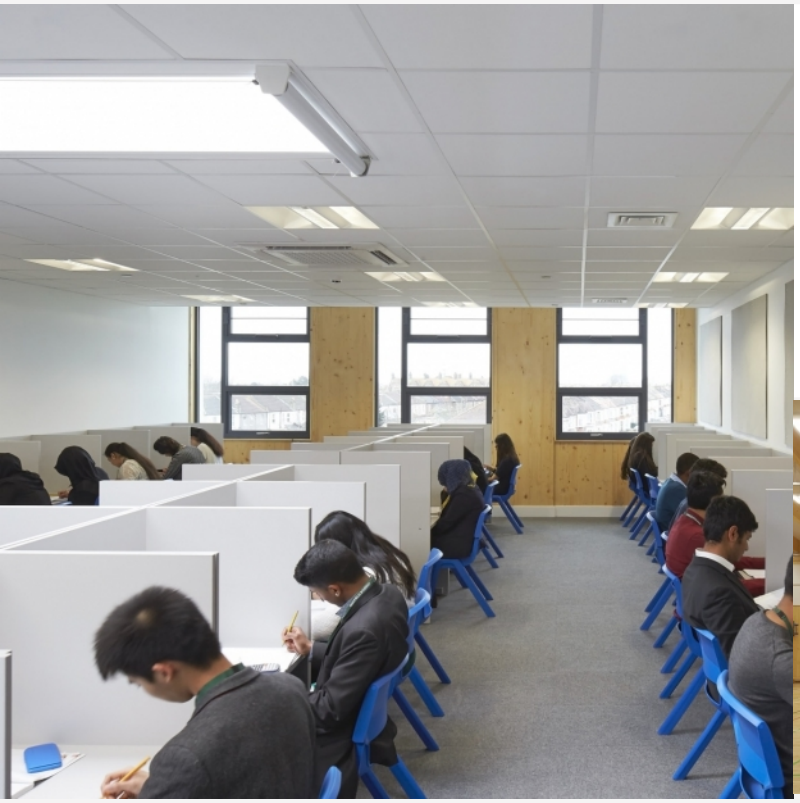
This project required a smart solution to increase this large secondary school from an eight to twelve form entry in only 16 months. New accommodation provides teaching space for 1,800 students and 80 staff and includes science, ICT, arts and sixth form facilities.

The choice of CLT construction addresses the tight programme with minimum disruption to the school. KLH® – CLT has excellent sustainability credentials and has been shown to reduce the level of embodied carbon in buildings by up to 60% in comparison to traditional techniques, helping to achieve BREEAM excellent sustainability rating. The exposed timber also lends a lightness and warmth to the internal spaces. The panels were manufactured directly from the BIM model using CAD/CAM technology, saving time and ensuring full co-ordination throughout.

**CARBON CALCULATION**
Total stored/sequestered carbon in the KLH® – CLT for Mayfield School is 694.56 tonnes

**PROJECT DETAILS**
Project Value: Confidential
Project Dates: 2014
KLH UK Services: Supply & install
Timber Volume: 2894 m3
Build Period: 18 Weeks

**AWARDS**
London Design Awards 2014 Gold Winner
Constructing Excellence-BIM Project of the Year 2015

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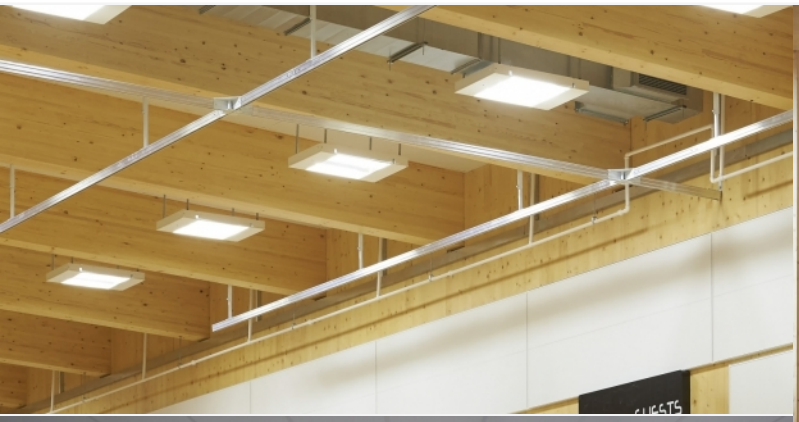
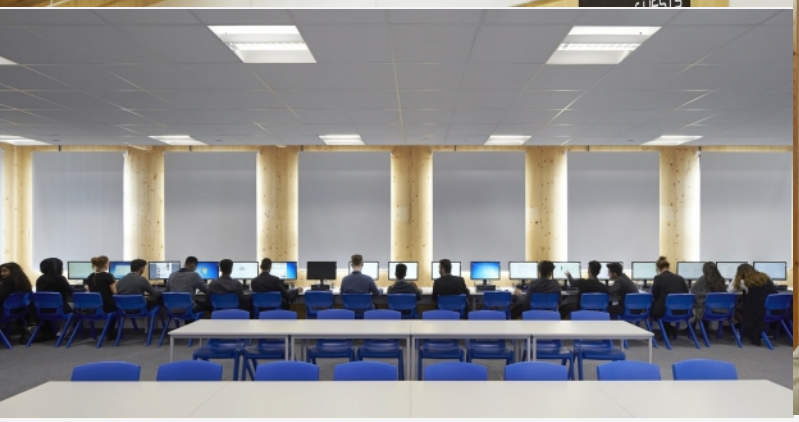
EcoTherm



**ARCHITECT**

David Miller Architects
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**TIMBER ENGINEER**

Ramboll UK –Cambridge
www.uk.ramboll.com

**CONTRACTOR**

Bouygues UK Project
www.bouygues-uk.com

**KLH PROJECT SUPPORT**

KLH UK Ltd.
www.klhuk.com

**PHOTOGRAPH**

®Hufton+Crow