



Broxbourne School



NEED

New school projects require high building performance and quick delivery. Broxbourne School, replacing a sold secondary school site, also includes a community sports and music centre. Offsite methods deliver airtight, thermally efficient buildings quickly, as demonstrated by Broxbourne School, thanks to the close partnership of the architect, developer, and contractors.

SOLUTION

Mid Group, Innovaré, and Bond Bryan, having collaborated on multiple projects, efficiently deployed offsite methods, including the Innovaré Structural Insulated Panel System. Structural SIP walls were used for teaching wings and as an airtight wrap around the steel frame of larger spaces, with brick slip facades by Aquarian Cladding Systems. The design focused on optimal classroom conditions and suitable materials for each structure part.

OUTCOME

Precise project planning meant that the Innovaré installation teams were onsite for just 15 weeks. The buildings feature exceptional thermal efficiency (U value of 0.2w/m²K) and airtightness (5m³/m²/h), surpassing DfE targets, reducing energy demand, and lowering operational carbon. Extensive use of structural timber reduced embodied and sequestered carbon. The project's success resulted from close partnership, leveraging prior knowledge and resolving issues early.

Project	Broxbourne School
Client	Chase New Homes
Contractor	Mid Group
Architect	Bond Bryan
Value	£28m
Location	Broxbourne, Hertfordshire
GIFA	9,633 m ²
Completion	2020



Photography by John Kees Photography