Designing LowCarbon FireSafe | innovare simplifying offsite | Delivering LowRisk RapidBuild

Chilmington Green Secondary Schooll

Education Sector- Case Study

Chilmington Green School is a new 6FE secondary school set to open in September 2025, delivering state-of-the-art facilities for 1,140 pupils. The project has been delivered in partnership with Bowmer + Kirkland Ltd and the Department for Education, with a design focused on sustainability, innovation, and high performance.

Innovaré provided the Low Risk Rapid Build full structural solution for the Teaching Block and Sports Hall using our patented Low Carbon Fire Safe i-FAST panels. The Innovaré i-FAST panel has been designed and tested to provide inherent fire, acoustic structural and thermal performance. The structural timber panelised system included Pre-Manufactured Value (PMV) elements such as factory-fitted vapour control, windows and cladding.

Chilmington Green is the first DfE secondary school in England to incorporate a passive thermal labyrinth, supporting natural ventilation and cooling. The school has been designed to meet Net Zero Carbon in operation and is targeting a BREEAM Excellent rating.

Facilities include 32 classrooms, 9 science labs, creative arts spaces, a library, Sixth Form centre, and extensive sports provision. Innovare's efficient offsite approach enabled rapid installation using two teams and cranes, helping to meet tight programme targets while delivering a sustainable, future-ready education environment.

Chilmington Green School stands as a showcase for what modern, sustainable offsite construction can achieve. The project reflects Innovare's commitment to delivering high-performance, low-carbon education buildings—on time and aligned with the evolving needs of both pupils and the planet.

Project	Chilmington Green Secondary School
Client	Department for Education
Contractor	Bowmer + Kirkland
Architect	Stride Treglown
Value	£10m
Location	Ashford, Kent
Innovaré Product	384mm i-FAST
Innovaré Solution	Full structure
Total GIFA m²	9257 m²

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