Effective delivery through Partnership approach

innovare
simplifying offsite

PROJECT	Aylesford School
CLIENT	Warwickshire County Council
CONTRACTOR	Ashe Construction
ARCHITECT	Lungfish
VALUE	£2.7m
LOCATION	Warwick
GIFA	1,935m²

"We are absolutely delighted with progress to date and i-SIP is fast becoming our weapon of choice to deal with the challenges for rapid, cost effective and energy efficient, new school structures, whether infill or full structure."

Sheridan McKnight, Director - Ashe Construction

School places needed quickly due to rising demand

Rising demand for school places in line with the area local plan created the need for seven extra classrooms at Aylesford Academy, making it the first combined primary and secondary school in Warwickshire. The project demanded a high quality, offsite manufactured, infill solution to the steel frame. Site safety and sustainability were also major requirements for the project.

Consistency of team and approach delivers savings

Having worked together on previous education projects; the teams at Ashe Construction and Innovaré collaborated on the design and build programme. Large format i-SIP panels fabricated at Innovaré's manufacturing facility based in Coventry, they were selected because of the ability to install rapidly plus they have the flexibility to be designed to meet the critical daylight, ventilation and airtightness qualities required to conform to the standards set. Quality is ensured by the carefully controlled manufacturing and installation process, as Innovaré is the UK's only major offsite, panelised system provider to have complete in-house design to delivery capability. The sustainability criteria was met through the excellent insulating properties of the panels and the minimal waste created during production and installation; all waste is fully recyclable.

Over 750 m² of wall panels and 1,050 m² of roof panels were installed. The i-SIP System was configured to meet daylight performance criteria, forming large window openings to precise dimensions to create the perfect internal environment for the school's learning spaces. By wrapping the steel frame with the i-SIP panels cold bridging was significantly reduced in a simple and cost-effective manner.

Flexible design with dependable results

The scaffold-free construction using i-SIP infill panels delivered a high quality watertight structure in 3 weeks (instead of the scheduled 5). The programme was completed within budget with minimal onsite waste. Disruption and safety risks were reduced and internal fit-out was carried out earlier than programmed. The rapid installation allowed main contractor Ashe to release sufficient resources to deliver another school project in time for September.

The thermal efficiency of Innovaré solution will produce energy and cost savings throughout the lifetime of the building.

"We are working with Innovaré Systems on many Education projects at present and the synergy of the two businesses is going from strength to strength."

Sheridan McKnight, Director - Ashe Construction