Students help deliver Secondary School 24 weeks early

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PROJECT	Kings CE School
CLIENT	EFA
CONTRACTOR	Interserve
ARCHITECT	Maber
VALUE	£13m
LOCATION	Staffordshire
GIFA	7,318m²

"The pupils saw some of the panels being made and had the chance to sign them. They learned that this system of building will save 170,000 kg of carbon dioxide. They were surprised by how quickly the panels were produced."

Chris Phillips, Head of Technology Faculty

Secondary school space required for 900 student places

The rebuilt Kings CE School opened in November 2016 with capacity for 900 pupils. The client needed the new school space urgently to meet growing demand for places and to replace tired and unsuitable accommodation.

They needed a value for money solution that would meet strict energy efficiency and sustainability requirements. Ideally, the school wanted to involve students in the project to enrich their technology curriculum.

Rapid panelised system for flexibility and value

The Kings CE School in Staffordshire was the last of a batch of 8 schools built by Innovaré Systems and Interserve using the i-SIP System. Innovaré were chosen by Interserve because they offer the complete delivery service from design to offsite manufacture and onsite installation.

The i-SIP System was installed rapidly with minimal onsite disruption and waste. In addition, onsite and offsite elements proceeded in parallel resulting in significant savings in the overall programme timing. Double height i-SIP panels created a spacious, airy internal atrium and the structure also features lecture seating in the hall, a four-court sports hall, and dance studio.

The i-SIP full structure system has created highly energy efficient structures to meet the client's objectives for minimising the environmental impact thanks to excellent insulating properties and tight manufacturing tolerances.

Sustainability is further improved by the minimal waste created during production. All elements of the system are fully recyclable. The project demonstrated how the i-SIP System can be designed to adapt to meet demanding and ambitious architectural challenges. To date this is the largest SIP built school project in the UK.

Using scaffoldless erection the 3-storey school totalling 7,318m² internal floor area was delivered by Innovaré installers in just 11 weeks - on budget and meeting all quality, performance and sustainability standards.

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New generation of builders introduced to the i-SIP System

Teachers partnered with Innovaré to take full advantage of the educational opportunities offered by the project. Students visited the Innovaré manufacturing facility in Coventry to see i-SIP panels being designed and made. The project's great success was recognised in winning 'Best SIPs Project' at the 2017 Structural Timber Awards.

"In the Future we will work with the contractor to look at more opportunities to involve the students, so they get a real identification with the new building." - Dr Richard Norris, Project Manager