

Thermal and air tightness performance simplified



PROJECT	Three Rivers Academy
CLIENT	Surrey County Council
CONTRACTOR	BAM Construction
ARCHITECT	Scott Brownrigg
VALUE	£27.1m
LOCATION	Walton-on-Thames, Surrey
GIFA	7,456m ²

HUNDVEN CLEMENTS PHOTOGRAPHY

Complex requirements and bespoke design to stringent budget constraints

Commissioned by the Surrey based Multi-Academy Trust the brief was to realise the vision of creating a world class learning environment. The proposed design took advantage of Innovaré's i-SIP technology to balance the client's desire for a dramatic statement building within tight budget constraints.

3-year engagement to develop the right design

Innovaré were approached by engineers Arup at the early design stage for their offsite expertise, to fulfil the distinctive design brief for a 16,000m² new build. The Academy was set out as series of distinct spaces under a single roof to house teaching facilities, library, drama and sports centre.

Working closely with architects Scott Brownrigg a design solution was developed that combined 4 mono-pitched wings off a central spine, where SIPs would be used to

make the required cost savings. The Innovaré i-SIP wrap system would be used to over clad part of the building's concrete frame, providing an insulating layer and airtightness line.

The design phase also involved the tailoring of the panels to the bespoke design requirements, so as not to compromise on the original vision.

Simplified solution through value engineering engagement

Through value engineering and early engagement, Innovaré provided a simplified, energy efficient, cost-effective solution for the project. The use of i-SIP ensured that the structure was weather-tight in under 18 weeks, ensuring that the project was completed within the required timescales as well as budget without compromising on delivering a striking new facility.

The school has already received excellent feedback from the pupils, teachers and parents for the difference it is making to the teaching and learning process.

"From a site management perspective, I had no issues working with Innovare. The team conducted themselves well in respect of Health & Safety procedures and were happy to adapt to site changes, co-ordinating deliveries and the installation programme to ensure minimal site storage was required"

Jamie Hodge – Senior Site Manager, BAM

