

Turves Green School

Project	Turves Green School	Value	£23m
Client	Acivico	Location	Birmingham
Contractor	Balfour Beatty	GIFA	6611
Architect	Atkins Global	Completion	February 2021

OFFSITE
AWARDS 2021
WINNER
BEST USE OF HYBRID
TECHNOLOGY
INNOVARE & SIKA



Images by Balfour Beatty

NEED

Located in Birmingham, Turves Green Girls' School is a secondary school with 750 students. A feasibility study by Balfour Beatty concluded that the original school would not be able to obtain warranties to give the building a viable future.

SOLUTION

Architects Atkins Global designed a bright and airy new school, filled with natural light, with wide corridors to help ensure a calm and pleasant environment. Advanced offsite construction technology kept the build schedule on track despite the pandemic.

Construction partners recognised the need for early engagement to enable the delivery of an efficient Design for Manufacture and Assembly (DfMA) approach. The construction strategy was for Innovaré to be involved right from the outset to bring the team's offsite expertise to the fore. The building was designed specifically for Innovaré's i-SIP system and a hybrid approach.

To meet the performance and programme goals, an innovative hybrid design was developed integrating

Innovaré's BBA Certified i-SIP panels, hollow core concrete plank floors, and a lightweight timber cassette roofing system.

This offsite hybrid technology has been proven to offer a radically quicker speed of build – reducing environmental impact, preliminary and overall costs.

OUTCOME

The new school has contemporary classrooms with interactive screens and stylish furniture, a dance studio, an immense sports hall, the main hall features a new sound and lighting system for event and performances – the purpose-built library is the focal point of the school.

As Turves Green Girls' School becomes King Edward VI Northfield School for Girls, the staff and students are determined that the wonderful building will now serve as a catalyst to transform opportunities, build aspiration, and further develop academic success.