

Horizons Academy

EDUCATION SECTOR CASE STUDY

OFFSITE
AWARDS 2025

FINALIST

BEST USE OF
TIMBER TECHNOLOGY



Designed by Arc Partnership and procured via the SCAPE Framework, Innovaré Offsite were appointed by main contractor Morgan Sindall Construction to design, engineer, manufacture and install our multi-award-winning i-FAST panelised system with the inclusion of factory fitted windows and external cladding for the new £30 million Horizons Academy, built on the former Ravensdale School site in Mansfield. The academy will support 160 pupils aged 7-19 with special educational needs (SEN)..

This purpose-built facility offers a specialist environment tailored for children with social, emotional and mental health needs. Sensory zones and calm spaces support well-being and learning. To create a 'small school' feel, each key stage is housed in four to six classrooms, with satellite dining areas designed to reduce sensory overload from larger communal spaces.

Innovaré's #LowRiskRapidBuild i-FAST panel integrates structural strength, fire safety and exceptional thermal and acoustic performance into one standalone panelised system. It exceeds 60 minutes of fire resistance without relying on additional linings or claddings. Each panel is faced with A1 non-combustible boards and factory-filled with A1-rated stone wool insulation. The system's staggered stud layout minimises thermal bridging and sound transmission while offering enhanced protection during fire scenarios.

Engineered to form external and internal walls, floors and roof cassettes, the prefabricated i-FAST panels provide structural integrity, loadbearing strength, and enhanced fire, thermal, and acoustic performance. These panels reduce concessions during design and construction, enabling intelligent value engineering and faster build times compared to traditional methods.

The Innovaré i-FAST panel provides significant advantages by being pre-manufactured with factory-installed windows. This feature accelerates construction, allowing buildings to become weather-tight more quickly. By completing more work in the factory, the system reduces the amount of on-site labour needed, enhances quality, and ensures a more consistent build. Additionally, it contributes to improved air tightness and overall building performance.

Project	Horizons Academy
Client	Nottinghamshire County Council
Contractor	Morgan Sindall
Architect	ARC Partnership
Installation team	Plotform
Framework	Scape
Overall total project value	£30m
Location	Mansfield
Innovaré Product	384mm i-FAST panel
Innovaré Solution	Full Structure
Total GIFA m ²	4201 m ²
Project Completion	October 2025