



Case Study:
St Giles Community Centre

Innovation

Fuelled.

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Client	YMCA/Thornton Firkin
Architect	Stem Architects
Contractor	Belvin Construction
Installer	Spraytech
Project	Refurb
System	K Systems Direct Fix M (Mineral Wool), Thin Coat Render

Background

The St Giles Community Centre in Lincoln serves as a **vital hub for young people** aged 11 to 18, providing a **safe, engaging environment** for youth activities and access to **trusted guidance and support**.

However, the existing building was in urgent need of refurbishment to improve its **appearance, thermal efficiency, and long-term durability**.

The project's goal was to create a **modern, inspiring facility** that reflects the positive role the centre plays in the lives of local young people.

Through **close collaboration** and the **innovative application** of K Systems' External Wall Insulation (EWI) solutions, the refurbishment has delivered a **remarkable transformation**.

St Giles Community Centre now features a **vibrant, eye-catching exterior** that demonstrates the versatility and aesthetic appeal of K Systems' EWI systems.

Beyond the visual impact, the **enhanced thermal performance and durability** ensure a **comfortable, energy-efficient space** that will benefit the community for years to come.

The facility now offers a fantastic environment for 11 to 18-year-olds, helping to enrich their experiences and support their personal development within a welcoming community setting.

We are proud to have contributed to the creation of a vibrant, resilient

space that will continue to **inspire and support young people** in Lincoln for many years to come.



**Low-rise
Leisure**



Refurb



2 Storeys

Our Service

The St Giles Community Centre refurbishment presented several complex construction challenges that truly showcased **K Systems' technical prowess and problem-solving capabilities**.

The line and level of the building was undulating, which required several **different insulation thicknesses** (100 - 300mm) to achieve the desired aesthetic.

To overcome this, the K Systems team meticulously designed and specified various thicknesses of mineral wool insulation, creating the desired depth profiles. No fewer than four different fixing lengths, ranging from 135mm to 355mm, were necessary to secure the insulation effectively. This added **significant complexity to the installation**, requiring precise technical detailing around fixing patterns.

During installation, meticulous care was taken to prevent contamination between the different coloured topcoats to ensure a flawless finish. The K Systems team developed and implemented a **detailed application programme** to prevent any cross-contamination between the different colours, ensuring a **clean, crisp finish** and the highest standards of workmanship throughout the project.



Paul Spittlehouse, Contracts Manager, Belvin Construction said:

“The YMCA Lincoln project was a technically demanding project, due to the complex detailing and challenging colour scheme. From initial planning to completion, the K Systems team played a critical role and ensured every aspect of the specification and installation was delivered precisely as drawn. The transformation of the building has been dramatic. It’s now a striking, energy-efficient space that not only looks fantastic but also serves a vital role in the local community.”

Technical Project Details

The St Giles Community Centre refurbishment stands as a testament to K Systems’ commitment to **innovation, technical excellence, and community impact**, reinforcing our position as a leading provider of EWI solutions.

To meet the project’s unique requirements, the **K Systems Direct Fix M** system was specified — a robust, high-performance solution featuring **mineral wool insulation**. Renowned for its **exceptional thermal performance, fire resistance, and non-combustibility**, K Systems Direct Fix M was the ideal choice for this complex refurbishment.

The existing structure’s **uneven lines and levels** required insulation thicknesses ranging from **100mm to 300mm** to achieve the desired surface alignment and aesthetic uniformity. This added complexity and required **specific technical detailing**.

However, the most significant challenge lay in the **vibrant and intricate** colour scheme, using our Thin Coat render.

Following extensive colour sampling, **six bold shades** were selected to create a **dynamic and inspiring façade**. The **bold grey, pink, and**

purple tones transformed the exterior of the building and achieved the **striking design vision**.

The successful completion of the St Giles Community Centre project demonstrates K Systems’ capability to **address complex technical challenges** while delivering **high-performance, visually striking, and durable EWI solutions**.

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