



# Engineering that brings design to life

Award-winning Consulting Structural & Civil Engineers

Education & Community





## Project Overview

A traditionally designed building structure comprising a mix of timber trusses, steel framing to form the roof lights and load-bearing masonry, on concrete spread footings.

Since ground conditions prohibited surface water infiltration, a SuDS design incorporating a wildlife pond was featured to provide passive treatment, biodiversity and amenity benefits.

**Project Type:** Civil & Structural

**Architect:** IDP Architects

**Partners:** Harriban Construction

**Project Category:** Educational

Sustainable  
Design

Traditional construction  
methods





## Project Overview

JMS tackled the challenging ground conditions at The Forge Care Centre for Children by designing specialised foundations to address issues with coal seams and made ground on the Nuneaton site. This ensured the stability and longevity of the buildings.

The superstructures were built using Structural Insulated Panels (SIPs), which allowed for efficient offsite construction and rapid assembly, reducing on-site disruption and speeding up the project timeline.

Clad in timber and zinc, the four residential care buildings blend seamlessly with their landscaped surroundings. The engineering techniques employed not only overcame significant geotechnical challenges but also facilitated the creation of a nurturing and therapeutic environment for children in need of care and recovery.

**Project Type:** Structural

**Architect:** IDP

**Partners:**

**Project Category:** Commercial/ Retail

Foundations

Sustainable  
Design

SIPs





## Project Overview

The transformation of St Mary's Lodge, a historic mansion in Stoke Newington, involves restoring the fire-damaged mansion and constructing a new four-storey school.

JMS Engineers facilitated the building repairs, designed a new basement, and integrated a steel frame to support reconstructed floors and facades. The school features a steel-framed structure with concrete composite floors, reinforced concrete slabs for ground and basement levels, and piled foundations. Its stone façade is affixed to a galvanised steel frame, blending historical and modern elements.

JMS Civils incorporated green roofs and permeable surfacing to slow rainwater runoff and reduce pressure on the public sewer network. This project exemplifies the synergy between historical preservation and modern innovation, becoming a hub for education and community enrichment.

**Project Type:** Civil & Structural

**Project Category:** Educational

**Architect:** BMAD Architects

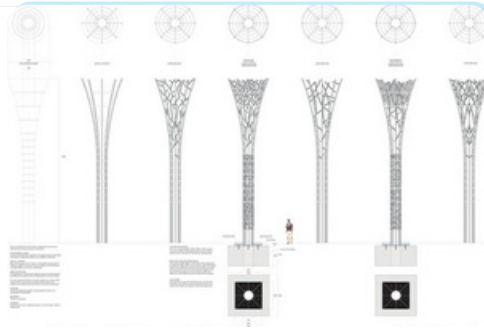
**Partners:** Prospero Projects, JMS Civils

Basement

SuDS Strategy  
Reports

Steel-framed  
Structure





## Project Overview

Huddersfield's New Street was transformed into a vibrant 'garden street' as part of Kirklees Council's regeneration project. JMS Engineers played a crucial role by designing the steelwork and foundations for three 40ft decorative planters. These planters, each with a unique theme—Contours, Waterways, and Commerce—blend art, nature, and structural engineering. The Contours planter features a lattice structure representing Huddersfield's topography, the Waterways planter evokes the flow of local rivers, and the Commerce planter pays homage to the town's textile history with thread-like designs.

This innovative project not only beautifies New Street but also revitalises the town centre, enhancing its cultural and historical significance and promoting community engagement.

**Project Type:** Structural

**Project Category:** Commercial/ Retail

**Architect:**

**Partners:** Circling the Square

Structural  
Calculations

Steel Structure

Bespoke Project



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