



caunton

ENGINEERING



Steelwork for

Data Centres



Data Centre - Slough

Caunton Engineering Limited
Caunton House, 2 Coombe Road
Moorgreen Industrial Park
Newthorpe, Nottingham
NG16 3SU

www.caunton.co.uk | 01773 531111 | sales@caunton.co.uk

Caunton Engineering has delivered structural steelwork for a wide range of data centres across the UK, partnering with major contractors.

Our in-house design, engineering, and fabrication expertise enables rapid, high-precision delivery on complex, mission-critical structures. Supported by over 50 years' experience, Caunton's approach ensures safety, sustainability, and reliability at every stage.

As a Gold status holder within the Steel Construction Sustainability Charter, we're proud to contribute to the UK's expanding digital infrastructure and are committed to achieving Net Zero by 2050.

Data Centre - London



Caunton Engineering was contracted to supply and erect the structural steelwork for a new hyperscale data centre located within one of the UK's most significant technology hubs. The project forms part of an ongoing programme of large-scale digital infrastructure developments designed to meet the growing demand for storage of data.

Confidential Project
Tonnage: 2,800 tonnes

Basingstoke Data Centre

Client: JP Morgan Chase Bank
Main Contractor: Laing O'Rourke
Engineer: Waterman Partnership
Tonnage: 1,280 tonnes



Caunton Engineering supplied and erected the steelwork for a major new Data Centre in Basingstoke, Hampshire. The client is JP Morgan, one of the world's leading investment banks.

Working closely with interfacing trade contractors, the team ensured full co-ordination of the steelwork package with the building services, achieving seamless integration and efficient project delivery.



Data Centre - Romford



Caunton Engineering were contracted to deliver the internal steelwork fit-out for the Data Centre at Romford.

Working as part of a wider delivery team for this hyperscale digital infrastructure facility, Caunton's package included main and secondary structural steel elements.

Supporting the UK's growing data infrastructure, this project showcases Caunton's capability to deliver precise, coordinated steelwork installations within live data centre environments.

Confidential Project

Tonnage: 1,400 tonnes

Data Centre - Norwich

Caunton were contracted by main contractor Bowmer and Kirkland to provide the steelwork frame for a Data Centre for the Norwich Union Insurance Company, now part of Aviva. Caunton designed and fabricated 1,320 tonnes of steelwork for this project. The project comprised of three buildings - the main warehouse, a data hall and a two storey office block.

As part of the increased use of cloud and computing services, data centres like this provide businesses with scalable, reliable and resilient IT resources, to give more efficient customer facing services and to ensure the continuity of their businesses.



Main Contractor: Bowmer & Kirkland

Engineer: Ramboll

Tonnage: 1,320 tonnes

Data Centre - Manchester

Caunton Engineering was responsible for the design of connections, supply, and erection of the structural steel frame for an internal mezzanine structure located in the North West, working on behalf of Laing O'Rourke.

The project presented an unusual challenge, as approximately 800 tonnes of steelwork had to be erected within an existing portal frame building.



The internal mezzanine comprises a two-storey steel structure measuring 143 metres in length by 43 metres in width. Caunton also supplied metal decking to both storeys, with the steel frame protected by an off site applied intumescent paint finish.

In addition, Caunton's Secondary Steelwork Division provided steel access staircases and a temporary loading gantry.

Main Contractor: Laing O'Rourke

Engineer: Bryden Wood

Tonnage: 800 tonnes

Data Centre - Slough

Caunton Engineering was appointed to fabricate and erect the structural steel frame for a new multi-storey data centre in Slough, one of the UK's leading hubs for digital infrastructure.



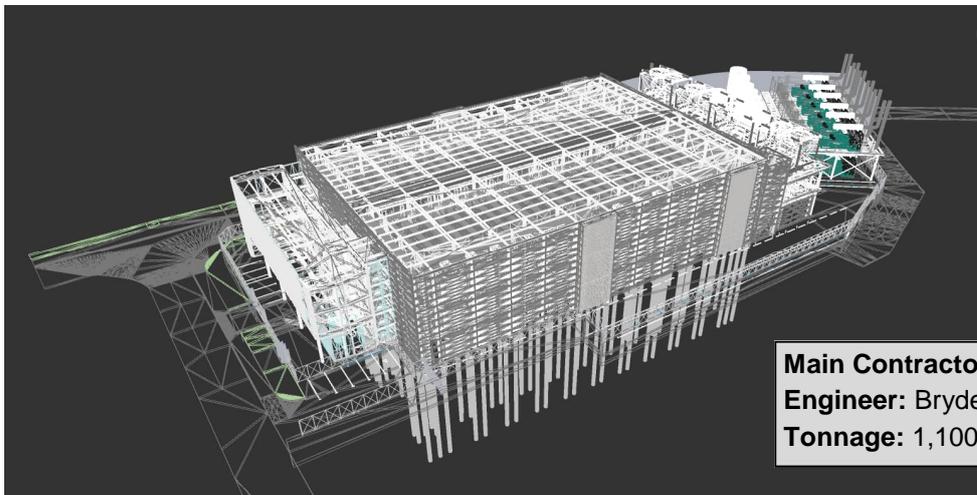
The development forms part of an ongoing expansion of hyperscale and enterprise-level facilities in the region, supporting the increasing demand for secure, high-performance data storage and processing capacity.

Caunton's in-house design and detailing team worked in close collaboration with the principal contractor and consulting engineers to ensure precise coordination between the steel structure, building services, and architectural elements.

The frame was fabricated to tight tolerances and erected efficiently on a fast-track programme, maintaining key project delivery milestones and ensuring seamless integration with subsequent construction phases.

Main Contractor: Laing O'Rourke
Engineer: Bryden Wood
Tonnage: 1,400 tonnes

Data Centre - Slough



Main Contractor: Laing O'Rourke
Engineer: Bryden Wood
Tonnage: 1,100 tonnes

Caunton Engineering supplied and erected 1,100 tonnes of main and secondary steelwork, which included staircases, handrailing and open mesh flooring, for a second data centre at Slough Campus.

As part of the increased use of cloud computing services, data centres like this provide businesses with scalable, reliable and resilient IT resources to give more efficient customer facing services and to ensure the continuity of their businesses.