



# caunton

ENGINEERING



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Steelwork for

# Major Projects



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Caunton is one of the UK's leading steelwork contractors, offering a one stop construction solution. Specialising in the design, 3D Tekla modelling, fabrication and erection of structural steelwork Caunton Engineering can give a first class service every step of the way.

We are a family owned company, established in 1969 and we have since proven to be a progressive pioneer of fully automated manufacture, information technology and innovation.

Our Nottingham based production facility employs some of the most up to date CNC machinery, a state of the art painting facility, within our 150,000 sq foot plant on a 42 acre site.

## Museum of Liverpool

The Fourth Grace built to celebrate the European Capital of Culture

As the photo shows Caunton supplied the structural steelwork on the new landmark museum for Liverpool. Located at Pierhead, right on the Mersey waterfront—a World Heritage Site too- and next door to the Liver Building, the Museum is set to become an icon for this great city.

Caunton erected some 2000t of structural steelwork, working first off, and away from, massive concrete cores. The total floor area of this three storey museum will be 10,000 sq. m upon completion and will include an impressive central atrium. Construction is founded on a 4m deep cellular raft and involves a complex yet traditional steel frame.

The new £65m museum is to take over from the existing Museum of Liverpool Life, which has been attracting an increasing number of visitors for ten years. Client New Museums of Liverpool, NML, believe this popular museum is too small to house and display its huge urban history collections satisfactorily. By building the new landmark museum, Liverpool will follow in the footsteps of previous European Capitals of Culture, Graz and Cork, which both had iconic buildings built to coincide with the title.



**Client:** New Museums of Liverpool  
**Main Contractor:** Pihl-Galliford Try JV  
**Engineer:** Buro Happold  
**Architect:** AEW Architects & Designers  
**Quantity Surveyor:** MGB Quantity Surveyors Ltd  
**Tonnage:** 2,000 tonnes

## North Stand, Leicester Tigers Stadium

New stand for Rugby Union's best supported club

Caunton supplied and erected the steelwork for the new North Stand of one of rugby's best supported teams, Leicester Tigers. The stand itself is part of an ambitious 10-year programme to redevelop its Welford Road ground into a modern 30,000 seat stadium complete with a raft of facilities.

The logistical challenge for this project was that the club needed to retain operation of all four sides of the ground during the rugby season. To address this, Caunton erected the steelwork for the new stand's roof including a 108m long king truss and the upper portion of the stand above the old wooden stand. The previous stand was then demolished to clear the ground for the lower level to be infilled.

The impressive 108m long truss, which is visible for miles around, is 35m high by 12m deep and was delivered to site in more than 140 separate pieces. It was assembled on ground and then erected in one tandem lift during a long 15 hour procedure.

The new stand features a number of amenities and below the seating area it has four internal levels. The ground floor comprises the main concourse and entrance area as well as a 700-people capacity match day bar. Above this on the first floor there is a 1,000-seat function suite, a second floor concourse and a third floor plant area.

The impressive new stand is 24m high compared to the 8.5m high stand originally built in the 1920's. An ambitious yet highly successful contract by Caunton.



**Main Contractor:** Galliford Try  
**Engineer:** URS Corporation  
**Architect:** AFL Architects  
**Tonnage:** 1,000+ tonnes

# Eurocentral Business Park - Glasgow

Ten individual office buildings providing a million square feet of office accommodation

Caunton worked on major contractor Bowmer & Kirkland's largest ever scheme, the Eurocentral Business Park in Glasgow. The scale of the scheme was huge, with B&K's ten individual office buildings providing 85, 000 sq.m (approx one million sq.ft) of accommodation in a landscaped setting.

Work started with the demolition of the former Chunghwa Picture Tubes factory on the site in



**Main Contractor:** Bowmer & Kirkland  
**Engineer:** Struer Consulting Engineers  
**Architect:** Keppie Architecture  
**Tonnage:** 3,600 tonnes

Lanarkshire which made way for the overall £330 million office and warehousing/manufacturing unit development. The 663,000 sq. ft Chunghwa facility was officially opened by The Queen in October, 1997.

It closed in 2002 and was bought a year later by Tritax Assets Ltd, as part of the company's ongoing development plans for Eurocentral. It has been replaced with 10 new office buildings, four new warehousing/manufacturing units with a range of ancillary developments including restaurant, crèche and gym facilities.

The steel frame designed by Caunton has been fashioned and fabricated to achieve a minimum thickness of floor depth plus a consistent 600m floor u/s -to-ceiling dimension. This ensures the appropriate service zone demanded by the client and his M. and E. Contractor. This then of course leads to a minimising of the overall height of the building with all the attendant economies, not least in the cost of cladding.



# The Range - Severnside, Bristol

Caunton Engineering was contracted for a design and build package for this enormous £90M warehouse at Central Park in Avonmouth, for retailer The Range. This is the largest project Birmingham-based commercial property developer Stoford had ever delivered.

Providing more than 111,000m<sup>2</sup> of space, it is biggest single building in the South West and one of the largest in the UK. It is claimed to be the equivalent size of 15 Wembley Stadiums.

Overall, the building measures 480m in length, which equates to 60 x 8m-wide bays. It has six spans of 36.5m giving the warehouse a total width of 220m. One end of the warehouse contains a single-storey office block, measuring 16m (two bays) x 45m-wide, which equates to about one and half spans.



**Client:** McLaren Construction  
**Main Contractor:** McLaren Construction  
**Engineer:** Complete Design Partnership  
**Architect:** AJA Architects  
**Tonnage:** 4,500 tonnes

# The Curve - Slough LABV



Caunton completed the frame for The Curve, the civic building in Slough. As the name suggests the structure is a steel-framed curved rectangle in shape and plan. Each of the building's elevations feature either cantilevers or sloping and curving facades, with the main

**Client:** Morgan Sindall plc  
**Main Contractor:** Morgan Sindall Plc  
**Engineer:** Peter Brett Associates  
**Architect:** Bblur Architecture  
**Tonnage:** 412 tonnes

north side presenting the most striking aspect with a long sweeping, predominantly glazed, elevation looking on to the adjacent listed St Ethelbert's Church.

The three level building is 89.7m long, 15.5m high and has a width which is 16.5m at its maximum and 8.7m at its narrowest. With an overall floor space of 4,500m<sup>2</sup>, the centre will include a library, café, office space and a 280-seat performance space.



## Friars Walk, Newport - Queensberry Real Estate

Caunton supplied and erected over 6000 tonnes of steelwork for the Friars Walk shopping and leisure scheme in Newport South Wales. This is a record tonnage for any Caunton contract. This major development, by Queensberry Real Estate, will revitalise the Newport city centre offering more than 36,230 square metres of retail and leisure space including a department store, multiplex, shops, restaurants, car park and bus station.

Friars Walk was opened by the Leader of Newport City Council, Councillor Bob Bright, accompanied by the First Minister of Wales. Caunton wishes the venture well. The contract was completed on budget and on time for major contractor Bowmer and Kirkland.



**Main Contractor:** Bowmer & Kirkland  
**Engineer:** Waterman Structures  
**Architect:** Leslie Jones Architects  
**Tonnage:** 5,800 tonnes

## Snow Hill 2 Building, Birmingham

A major new 17-storey office block in the centre of Birmingham



The development, comprising 43,000 square metres of office space, is known as Snowhill 2. Caunton are supplying over 2000t of structural steelwork together with metal decking and shear studs. The building has three concrete service cores already constructed which provide overall stability. Connection is via cast-in plates.

The building, which is in the heart of the Birmingham commercial district, is located conveniently alongside the historic Snowhill railway

**Client:** Hines Plc.  
**Main Contractor:** Balfour Beatty Construction  
**Engineer:** Curtins Consulting Engineers  
**Architect:** Weedon Partnership Architects  
**Tonnage:** 2000 tonnes

station, which is now the terminus for the successful and popular Chiltern Railways service from London Marylebone.

## Student Accommodation - Fairfax Street - Coventry

Coventry City Council, main contractor Winvic Construction and luxury accommodation providers CODE Student Accommodation have officially marked the completion of the steel frame of the city's new tallest building.

At an event, they celebrated the handover of the first 315 bedrooms, gym, laundry and office facilities accommodated in one of the project's four blocks.

The first delivered phase of the project comprised one 14-storey block and, since being completed there are four interlocked blocks, of 17, 20 and

23 storeys, making it Coventry's tallest building with panoramic views across the City.

Each of the self-contained student bedrooms contain a fully fitted kitchen, including fridge, freezer, microwave and integrated oven and hob, and a deluxe designer shower room; tenants will also feel safe in their new homes with the fob entrance system and the installation of CCTV.



**Client:** Winvic Construction  
**Main Contractor:** Winvic Construction  
**Engineer:** PRP Consulting  
**Architect:** Rg-p Ltd  
**Tonnage:** 1,800 tonnes

