



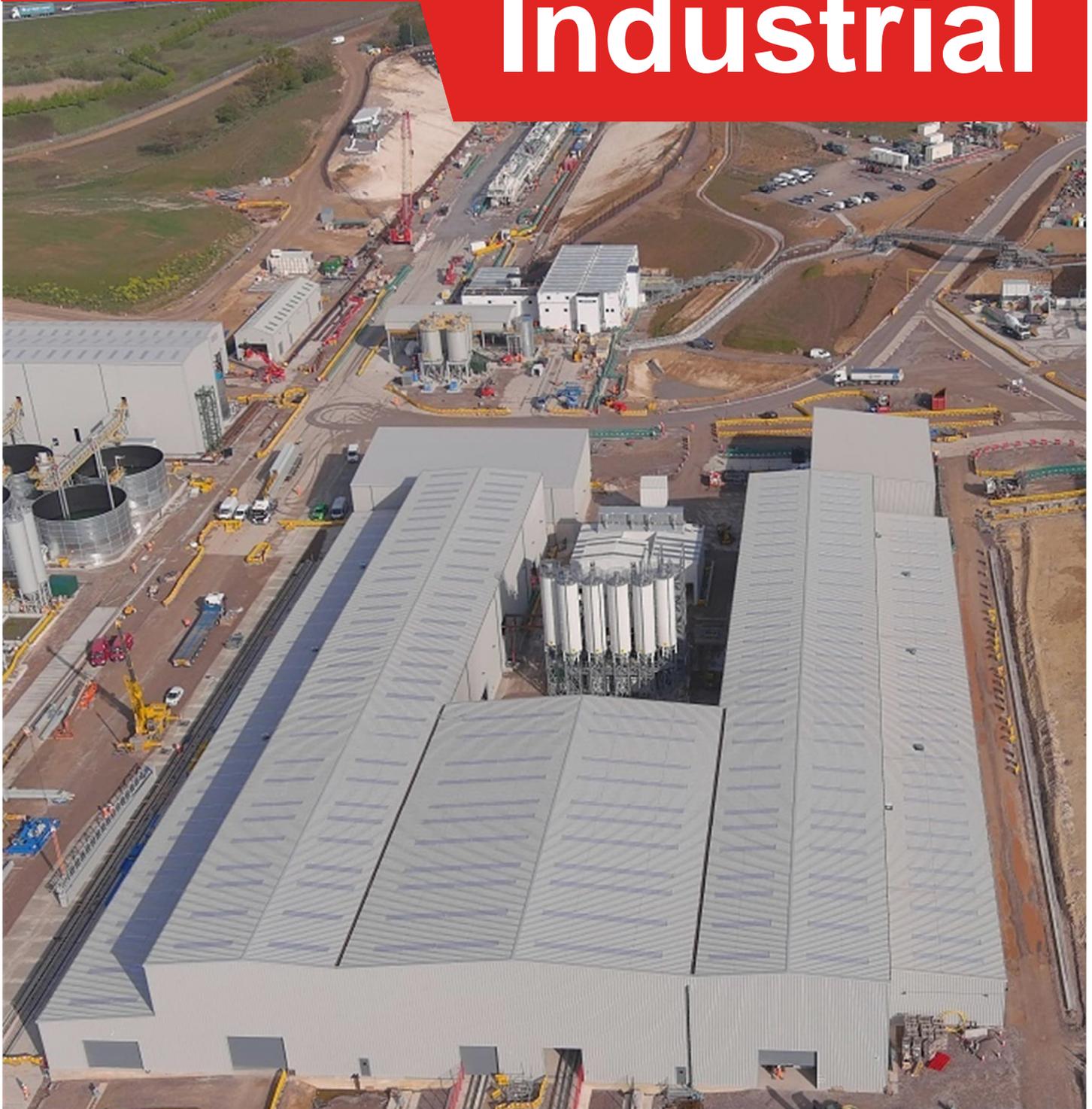
# caunton

ENGINEERING



Steelwork for

# Industrial



Precast plants for HS2

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Caunton Engineering is one of the UK's leading steelwork contractors, fabricating in excess of 40,000 tonnes per annum with a turnover in the region of £100m. Supported with over 50 years' experience we specialise in the design, fabrication and erection of structural and secondary steelwork, operating across all sectors of the construction industry.

Caunton Engineering's reputation is for engineering excellence in the Industrial sector and working with Consulting Engineers on major developments.

We pride ourselves on our ability to remain agile and, as a result, offer a personalised service to our clients. The company is a Gold Status holder within the Steel Construction Sustainability Charter and is committed to delivering Net Zero by 2050.

## Project V - Blyth



**Main Contractor:** Galliford Try  
**Engineer:** Waterman Structures  
**Architect:** Vincent and Goring  
**Tonnage:** 2,992 tonnes

Working on behalf of main contractor Galliford Try, Caunton Engineering supplied and erected 2,992 tonnes of structural steelwork for a major cable production facility in Blyth, in the North East. The bulk of the steelwork was for a four span portal framework. This cable production facility in Blyth helped to underpin the growing offshore energy sector, which aided the UK Government's target of net zero carbon emissions by 2050.

This project included two major structurally independent multi-storey towers. The Continuous Catenary Vulcanisation (CCV) towers of five floors, 44 metres tall. Both of these were major structures in their own right and were erected with metal decking. This required a variety of steelwork to be fabricated with 120 minutes of intumescent fire protection.

For this project, Caunton scored 100% on the Builder's Profile. This meant that all five elements of this scoring method - health,

safety and environment, operational / quality, innovate, collaboration and commercial - have been 100%, which was an outstanding achievement.

Caunton are proud to have supplied steelwork for a project which aided the UK's Government target to be net zero carbon emissions by 2050.

## Steel Frame Precast Plants for HS2

Caunton Engineering have supplied 2,400 tonnes of structural steelwork for two major precast plants to be used in the building of HS2. These are the precast plant required to produce wall lining sections for the 10 mile long Chiltern tunnels and a second steel frame precast plant to be used to cast sections for the nearby Colne Valley Viaduct. The project in total comprises of 15 buildings and includes 2 tunnel precast factories, the tunnel workshop and warehouse and the viaduct precast factory. The structural frames were mainly portal frames, with Caunton's secondary steelwork division, also supplying 40 tonnes of secondary steelwork, much of it galvanized, comprising crane access ladders, maintenance walkways, mezzanine flooring, handrails and stairs.



**Client:** HS2  
**Main Contractor:** Align JV  
**Tonnage:** 2,400 tonnes

Now the work is complete, the precast plants will be disassembled and the whole site will be landscaped with material excavated for the tunnels and trees planted in order to blend it in with the surrounding countryside. Evidence of steel's flexibility and its particular sustainability qualities.

Caunton were employed by Align, a joint venture between Bouygues Travaux, Sir Robert McAlpine and VolkerFitzpatrick.



# New Horizon Project, Power Park - Nottingham

Caunton Engineering have completed the erection of the steel framework for five buildings on the old Imperial Tobacco factory site in Nottingham, working for main contractor Bowmer and Kirkland. Imperial Tobacco began operating on the site in the early 1970's but after moving to Europe in 2016, the company's 'Horizon' factory began to be demolished in 2019. The new scheme is called the New Horizon Project and is also known as Power Park. It is a 28 acre, Grade A specification industrial and logistics space.



**Client:** Henry Boot Developments and Oxenwood Real Estate  
**Main Contractor:** Bowmer and Kirkland  
**Engineer:** BWB Consulting  
**Architect:** Corstorphine and Wright  
**Tonnage:** 1,500 tonnes

The development team were tasked with recycling 98% of materials through the scheme - this included salvaging steelwork from the existing frame, to crushing the concrete and stone from the demolished building in order to retain it on site to be used as bases, yards and roads. Across the five new units, Caunton Engineering designed, manufactured and installed 1,500 tonnes of structural steelwork, along with the supply and installation of metal deck to the office areas.

## Glass Futures - St. Helens



**Client:** Network Space Developments  
**Main Contractor:** Bowmer and Kirkland  
**Engineer:** Tetra Tech  
**Architect:** AEW Architects  
**Tonnage:** 1,420 tonnes

Caunton Engineering worked on behalf of main contractor Bowmer and Kirkland to complete the steel erection of the structural steelwork for the Glass Futures scheme in St. Helens, the town generally known as our "home of glass".

The 15,200m<sup>2</sup> transformational global glass research and innovation facility was completed in early 2023, ready for internal fit-out.

Glass Futures occupies and manages the building to deliver industry and government backed research and development projects focused on decarbonising glass production. It will also provide a platform for the industry to access an experimental scale furnace to test and run trial for implementation at commercial scale on a state of the art line, both collaboratively and individually.

## Innovative Materials Recycling Facility - Coventry

Caunton Engineering have supplied the framing steelwork to main contractor Clegg Construction. The Sherbourne Resource Centre in Coventry is a state of the art materials recycling facility (MRF) and said to be the first to use Artificial Intelligence (AI).



**Client:** Sherbourne Recycling  
**Main Contractor:** Clegg Group  
**Engineer:** Alan Wood and Partners  
**Architect:** Cox Freeman  
**Tonnage:** 577 tonnes

Housing the facility's all-important equipment, as well as the areas for receiving and sorting materials, are three large steel portal-framed structures. Together they form an L-shape to site and create a facility where materials processing is laid out in a linear configuration. Each of the three portal frames is structurally independent and at the two points where the buildings meet, there is a dividing row of double columns, that accommodate doorways and openings for equipment such as conveyor belts.



# New Manufacturing and Testing Facility - Meggitt Global Headquarters

Caunton Engineering were awarded the contract for the structural steelwork for a new £44 million office and manufacturing facility by main contractor, Winvic Construction. The project is for renowned international aerospace, defence and energy engineering group, Meggitt. It was developed by joint venture, Manse Opus, a collaboration between Manse and Opus Land. The 490,000sq.ft. building at Ansty Park near Coventry is reported in the press as representing one of the largest projects in the Midlands in more than a decade. It has seen Meggitt centralise its operations at Ansty Park as part of a reported £130 million investment. The Meggitt facility forms just part of the development on the former Rolls-Royce site, which is known as Prospero. It is used as a manufacturing and test facility, as well as for the company's global headquarters.



**Client:** Meggitt  
**Main Contractor:** Winvic Construction  
**Engineer:** CWA  
**Architect:** Michael Sparks Associates  
**Tonnage:** 1,775 tonnes

The structural steelwork comprised of a four span portal framework of over 1,700 tonnes and is designed by Caunton's technical team. Caunton have previously worked on this site, when providing steelwork for the London Taxi Company's assembly plant contract in 2015 - again for Winvic Construction.

## Celotex - Eggborough, Sheffield



Caunton were pleased to supply and erect the structural steelwork for the frame of a new factory in Yorkshire, for Saint-Gobain subsidiary, Celotex, the UK's largest supplier of PIR insulation boards. The facility is located next to Saint-Gobains Glass manufacturing facility in Eggborough.

The factory's frame comprising of over 600 tonnes of steelwork was designed by Caunton. The main frame is an asymmetric propped-portal approximately 144 metres wide by 149 metres long and is 13 metres high to the apex. Attached to the main frame is the canopy structure, which itself is a 72 metres wide twin span portal and projects 17 metres.

**Main Contractor:** Saint-Gobain  
**Engineer:** Mason Clarke Associates  
**Architect:** Darnton B3  
**Tonnage:** 600 tonnes

Saint-Gobain UK and Ireland, the leader in the construction materials market, has invested £20 million in this production facility for Celotex. Caunton Engineering were delighted to have contributed to the new expansion.

## Other Industrial Projects Include:

- Magna CCUK, Manufacturing Facility, Plot 6 - Telford
- Siemens Blade Production Facility, Alexandra Dock - Hull
- Project Pepe - Warrington
- EGG Packaging Centre - Noble Foods



(Project Pepe - Warrington)

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