

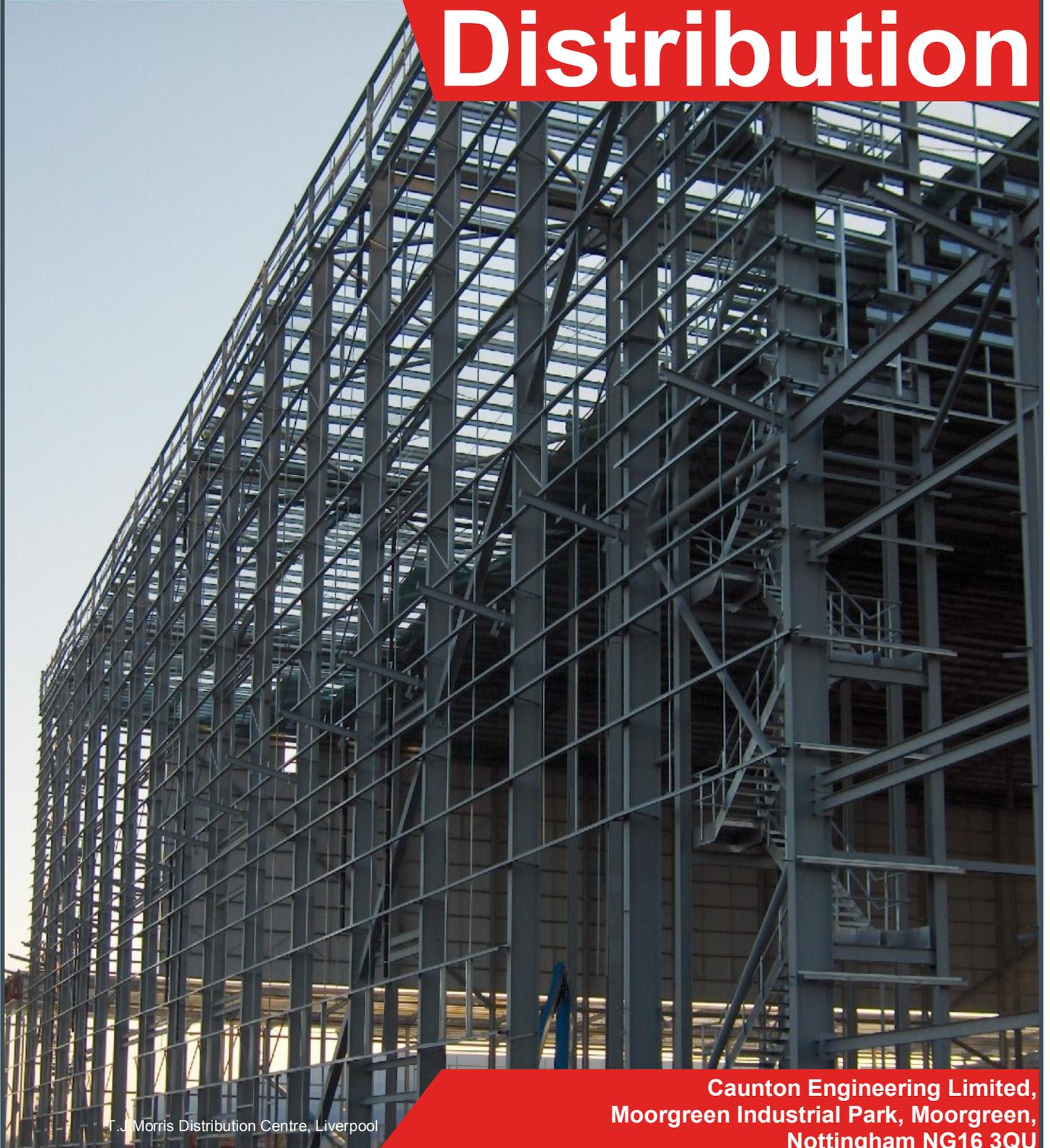


**caunton**  
ENGINEERING

[www.caunton.co.uk](http://www.caunton.co.uk)

Steelwork for

**Distribution**



T.J. Morris Distribution Centre, Liverpool

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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 and state of the art painting facility, within our 150,000 sq foot plant on a 42 acre site.

### Why choose steel for Distribution Projects?

Steelwork with its quartet of major benefits – speed, flexibility, excellent strength to weight properties, and competitiveness – coupled with Caunton's design skills - means steel is the ideal material for distribution industry structures.

## ProLogis Park, Stafford

*Three major distribution sheds covering over three quarters of a million square feet*

In recent years Caunton supplied the steelwork for three major distribution sheds at Stafford for developer ProLogis.

The buildings themselves cover an area totalling over three quarters of a million square feet. The development itself, the Prologis Park at Stafford, known as Prime Point 14, incorporates these three buildings. They are individually in size, 542k, 127k and 70k square feet – and the overall site is managed by major national contractor, VolkerFitzpatrick Contractors.

The site in fact comprises over 128 acres and is located adjacent to Junction 14 of the M6. Caunton designed and supplied over 2300t in total of hot and cold rolled steelwork for Prime Point 14.

**Developer:** ProLogis  
**Main Contractor:** VolkerFitzpatrick  
**Engineer:** RPS Burks Green  
**Architect:** RPS Burks Green  
**Tonnage:** 2,300 tonnes



## First Point Warehouse, Burton on Trent

*A double span portal frame incorporating over 800 tonnes of structural steelwork*



**Main Contractor:** Clegg Construction  
**Engineer:** BSP Consulting  
**Architect:** Stephen George & Partners  
**Tonnage:** 800 tonnes

Caunton supplied the structural steelwork for an important new development in Burton on Trent.

First Point is located in the Centrum 100 Business Park, a high profile mixed-use scheme. The location is ideal being at the heart of the national motorway network. Occupiers include Scania, Littlewoods, Bass plus a Morrison's supermarket. The client is Eden Park Developments, a Nottingham company which is growing rapidly in both size and reputation.

Caunton built a warehouse with an adjoining complementary office block, of over 200,000 sq feet and comprises a twin-span steel portal frame. The structure was designed by Caunton on a design and build basis for contractor Clegg Construction. The company is pleased to have worked on many occasions with this established Nottingham contractor, as well as with their sister company Clegg Food Products.

# The Wine Society - Stevenage

*Incorporating a 46 metre span space-frame girder, weighing 22te, erected in three sections and then welded together "in the air"*

Caunton added a most prestigious name to its client list. The Wine Society no less. The Society has 85,000 active customers and growing. Hence the need for a warehouse extension, which Caunton supplied on a design-and-build basis to main contractor Morgan Ashurst.



Until 1965 The Wine Society was based in London, but then moved 25 miles to a large freehold site in the main industrial area of Stevenage, a new town minutes away from the A1 Motorway. Here it combines offices for its planning, purchasing and marketing teams with a substantial warehouse complex, which has been progressively expanded to take account of steady growth.

Prestige clients such as The Wine Society demand quality fabrications – and the 46m space frame built at Caunton's Works is no exception. This girder weighing 22te and photographed in the Caunton assembly shop, was fabricated in three major sections and erected, and then conjoined in the air, utilising three crawler cranes. The girder rests in its final position (in section) as a right angle triangle with the hypotenuse supporting translucent sheeting for illuminating the wine warehouse below. Another suitable and eco-friendly feature of this major storage facility is the use of hempcrete walls, whose porosity helps to maintain the necessary humidity for successful wine storage.

**Client:** The Wine Society  
**Main Contractor:** Morgan Ashurst  
**Engineer:** MLM Building Control  
**Architect:** Vincent & Goring  
**Tonnage:** 270 tonnes



# Tesco Distribution Facility, DIRFT Central - Northampton

*A five span portal frame warehouse covering over 750,000 sq.ft and 35,000 sq.ft of office space for the Tesco Cherokee range*



Caunton completed the contract for the design, supply and erection of over 2500te of structural steelwork for a major new distribution warehouse at one of this country's top distribution locations, the DIRFT freight terminal at Daventry. This massive building was pre-let to Tesco by major developer, the British Land/Rosemound Developments joint venture. The JV in fact was developing their substantial 74 acre site at DIRFT.

The structural steelwork, a five span portal frame construction, encompassed over 750,000 sq. feet of warehouse and included 35,000 sq. feet of offices. The clear height is a lofty 19.5 metres. Main contractor for this important development was John Sisk and Son Ltd.

**Client:** Rosemound Developments  
**Main Contractor:** John Sisk & Son Ltd  
**Engineer:** Sprigg Little Partnership  
**Architect:** Alan Johnson Associates  
**Tonnage:** 2,500 tonnes



# B&Q Distribution Centre at G-Park, Swindon

**State-of-the-art Distribution Centre for DIY Retail Giant B&Q, forecasted to be the biggest building in Swindon**

Structural steelwork was provided on a vast 800,000sq feet warehouse in Swindon for Household name B&Q. The developer of this massive building which comprises 2,400 tonnes of structural steelwork was Gazeley Properties and the main contractor was McLaren Construction.

With a footprint of 392 metres by 183 metres, the B&Q distribution centre is to be the largest building in Swindon - a town certainly not unused to major redevelopments - Motorola and Honda being international companies manufacturing there.

The building comprises six bays, each of a 30.5 metre portal. Column height to eaves is 16 metres. There are 4,350 separate hot rolled members - columns rafters etc. But the



big numbers come when one aggregates the cold rolled members used for rails and purlins. There are 29,000 of these making up a total length of 70 kilometres. Each portal frame span is formed with

**Client:** Gazeley  
**Main Contractor:** McLaren Construction  
**Engineer:** Hydrock  
**Architect:** Chetwood  
**Tonnage:** 2,400 tonnes

457 section rafters brought to site in 16m lengths. Two of these sections are bolted together on site and lifted into place as one piece to form each of the six spans. Overall, the structure reaches a maximum height of 16m to the eaves.

The steel erection programme began in November 2010 and was completed by March 2011. Working from the gable end, which incorporates an internal office block, steel erection proceeded down the structure with Cauntan erecting an impressive eight bays per week. On site the company had three 25t capacity mobile cranes, plus 14 cherry pickers for the erection programme. More than 350te of



steelwork was erected every week by the Cauntan erection team.

In addition to this there are environmental benefits too. B&Q decided to look at their whole distribution across the country following a review and it made sense to have a new regional centre in the south for high volume products, bringing goods closer to the stores therefore improving customer service as well as reducing transport miles, transport costs and CO2 emissions. The new centre in Swindon will in fact include key environmental initiatives.

This impressive distribution centre is due to be fully operational by the end of 2011.

## Eurohub, Corby

**Major new Distribution Warehouse for Developer ProLogis with steelwork completed in an impressive seven weeks**

Cauntan have designed and supplied the structural steelwork for this major distribution warehouse in Corby, Northamptonshire. The client for this prestigious development is major national property company, Prologis Developments.

The warehouse comprises 250,000 square feet of distribution space. It consists of three 32 metre span portals creating a 96m triple-spanning structure, and is a massive 240 metres long. The large number of loading docks are located alongside one elevation of the warehouse only.

The steelwork was completed in advance of the main contractor's projected programme of seven weeks. Cauntan are a well-known and major supplier of steelwork to the Distribution and Warehousing Industry, and promote this reliable and predictable punctuality feature as one of the major benefits in employing the company.



**Client:** ProLogis Developments  
**Main Contractor:** Birse Build Limited  
**Engineer:** Cox Turner Morse  
**Architect:** Peter Haddon & Partners  
**Tonnage:** 800 tonnes

# Magnitude - New Hythe Lane, Aylesford

**Major High-Bay Regional Distribution Centre for Meteor Industrial Partnership creating nearly a quarter of a million square feet of covered space**



**Client:** Meteor Industrial Partnership  
**Main Contractor:** Vinci UK, formerly Norwest Holst  
**Engineer:** Sprigg Little Partnership  
**Architect:** Michael Sparks Associates  
**Tonnage:** 675 tonnes

"The largest speculative industrial warehouse to be built within the south west area of the M25 for a decade is now ready for occupation" - quotes

Supply Chain Business magazine.

Caunton completed the detailed design, supply and erection of the structural steelwork for this major high-bay Regional Distribution Centre adjacent to the M20 at Aylesford in Kent, for client Meteor Industrial Partnership, a development venture partnership between Astral Developments Limited and Legal & General.

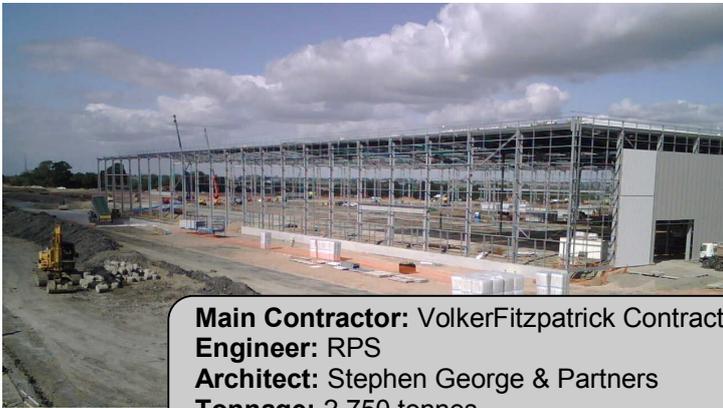
The Company worked for major contractor Vinci, formerly Norwest Holst, in constructing the Centre. The complex includes a four span portal frame warehouse in excess of 181 metres in length x 118

metres in width, with a minimum clear internal height of 12 metres. The high bay facility being aptly described by its site title - "Magnitude"- creating nearly a quarter of a million square feet of covered space. A three storey office block with integrated canopy and a separate gatehouse structure completed the project.



## Project Lion - DIRFT 2, Daventry

**The second project Caunton have completed for Daventry International Rail Freight Terminal in Daventry**



**Main Contractor:** VolkerFitzpatrick Contractors  
**Engineer:** RPS  
**Architect:** Stephen George & Partners  
**Tonnage:** 2,750 tonnes

Caunton have started work at the new Daventry International Rail Freight Terminal site, designated DIRFT II.

Previously Caunton supplied 2,850te of steelwork for Tesco's Cherokee Distribution warehouse which was located on the original DIRFT site. Developer ProLogis has extended this original DIRFT site to create a massive 500acre site by incorporating DIRFT II. ProLogis maintain this will create a site of regional, national and international importance located within the "golden triangle" favoured for national distribution centres. This second phase will provide 2million square feet of rail connected distribution space.

Caunton is now working on the first building to be built on the new site – the Zone 1 Plot A warehouse – and code named Project Lion. The company is working for main contractor

VolkerFitzpatrick, designing, supplying and erecting nearly 2500te of structural steelwork. The steelwork encompasses – 824,000 sq feet – in metric terms over 400 metres long and nearly 200 metres wide – in fifty one bays and in six spans – a lofty 16 metres clear to eaves – some large structure!

Moreover the warehouse includes a 3,700 sq meter mezzanine floor to one side of the building, which is supported externally by the portal frame columns and internally by columns on a 16m x 16m grid. The contract also includes a separate three storey 778 space steel framed car park.

Caunton is fast becoming the country's number one design & build steelwork contractor for distribution industry projects.



## Unit 2 Fort Dunlop, Erdington

*New major landmark for Birmingham providing a  
150,000 sq.ft Distribution Warehouse*

First impressions of England's Second City are about to change - thanks to the development of Fort Dunlop, Birmingham's latest landmark. Visitors to the city travelling northbound on the M6 are to be greeted with Birmingham's newest icon, instead of the concrete jungle that is Spaghetti Junction.



Tucked behind this famous edifice, but very much part of the regeneration of the massive site it occupies, a major new commercial development is situated - a six-span warehouse providing 150,000 square feet of distribution space plus a two storey office-block giving 15,000 square feet of space

Steelwork specialist Caunton Engineering supplied over 500te of steelwork for these two buildings for main contractor, VolkerFitzpatrick Contractors, whose client is the major Development Company Prologis.

Erection of the steelwork was completed in a speedy eight weeks with safety paramount. The below photograph shows clear evidence of this - a "myriad" of Caunton's own MEWP's - cherry pickers to the trade - working on the site.



**Main Contractor:** VolkerFitzpatrick  
**Engineer:** Capita Symonds  
**Architect:** Stephen George & Partners  
**Tonnage:** 500 tonnes

## Sainsbury's Distribution, Project Thameside

*A new Sainsbury's Distribution Centre being built on  
The Bridge Industrial Zone*



**Main Contractor:** McLaren Construction  
**Engineer:** RPS  
**Architect:** Chetwoods  
**Tonnage:** 1070 te

The Thames Gateway development is expected to be one of the next major "hives of activity" for the construction industry. Caunton are delighted to be supplying the steelwork for the new Sainsbury's Distribution Centre being built on The Bridge Industrial Zone located there and constructed by main contractor McLaren Construction.

Along with 1.5 million square feet of business space and 1,500 new homes, The Bridge will include a range of innovative facilities, such as a 'primary school of the future' and the new Fastback public transport system, to create a lively neighbourhood where people will want to live, work and bring up their families. Situated next to the QEII Bridge and close to the River Thames, The Bridge is the first major regeneration project underway in the Thames Gateway. It is also within reach of the Olympic Site as shown by the photograph.

This 264-acre mixed-use site that is being developed by ProLogis Developments Limited and Dartford Borough Council, The Bridge will transform this brownfield land into a dynamic new community for Dartford.

Caunton are supplying and fabricating 1200te of structural steelwork. Caunton have designed the steelwork and are erecting it too. The "hit and miss" design - intermediate transverse beams reducing the number of columns of course- is most efficient and provided Sainsbury's with maximum possible open space.

# Co-op, Castlewood Business Park Plot B, Mansfield

*A major new £22m food distribution depot in North Derybshire, for the Co-operative group*



**Client:** The Co-operative Group  
**Main Contractor:** Winvic Construction Limited  
**Engineer:** Waterman Burrow Crocker Ltd  
**Architect:** Isherwood McCann  
**Tonnage:** 1600 te

Caunton designed, supplied and erected the steelwork for a major new food distribution depot in north Derbyshire, for the Co-operative Group. Main contractor is Winvic Construction and the overall contract's value is £22m. The project will employ around 1,080 staff and create around 340 new jobs. The new state-of-the-art depot, will be located just off junction 28 of the M1, and only a few miles from Caunton's Moorgreen works and offices. It will take over the work of two smaller Co-operative Food depots in the region - in nearby Alfreton, Derby, and in Bulwell, Nottingham.

The steelwork contains over 1600te and comprises a quadruple span with forty bays of portal frame steelwork. The structure spans an overall 126m with the length 316 metres – a very large building. Other steel framed buildings on the site include the Main Office Block, an Energy Centre, the Operations Office, a De-Kit Area and VMU. Caunton are in addition supplying 450 m<sup>2</sup> of internal gantry steelwork. All erected in a very speedy five and a half weeks.

Caunton have an impressive track record working for the major food retailers. They are delighted to be working on this occasion for such an impressive and significant organisation as The Co-operative Group which is the UK's largest mutual business, owned not by private shareholders but by over six million consumers. It is in fact the UK's fifth biggest food retailer.

## Royal Mail Centre Swan Valley, Northampton

*New Mail Hub & Distribution Centre comprising 110m span symmetrical propped portals*

The new 212,846 sq ft Royal Mail Hub and Distribution Centre built by ProLogis in conjunction with Aviva Investors has recently been completed by main contractor Winvic. The structure employed 688te of structural steelwork by Caunton Engineering.

The project is located in Swan Valley, owned by Aviva, a 210-acre distribution park located next to junction 15a of the M1 motorway, which links London to the Midlands and beyond.

The structural steel framework comprises 110 metre span, symmetrical, propped portals – main span 40 metres with two 35 metre lean-to frameworks. The length of the building is 145 metres in 7 metre frame spacings.

Height to eaves is 13 metres and to apex 18 metres. The internal perimeter of the structure is peppered with cantilever/suspended gables and mezzanine floors. This means that in the main each individual portal frame is unique in its design. Overall the structural form is

that of a triple span hit/miss portal arrangement plus a low level lean-to integrating a small office block. By working closely with Royal Mail, ProLogis and Aviva Investors have procured a building that has been specifically tailored to Royal Mail's exact business requirements and that will reduce the overall carbon footprint of the distribution hub over its 30-year life span.

**Client:** Aviva Investors & ProLogis  
**Main Contractor:** Winvic Construction  
**Engineer:** Cox Turner Morse  
**Architect:** RPS Burks Green  
**Tonnage:** 688 tonnes



# Sony - Innova Park, Enfield

Sony have officially opened its newly built UK distribution centre, with the steel frame by Cauntion Engineering, in Enfield, North London - a provider of around a quarter of the UK's home entertainment media - after the original building was destroyed by fire during the London riots in Summer 2011. After rioting had spread from neighbouring Tottenham on 8 August 2011, the Sony DADC/PIAS distribution centre on the Innova Business Park was looted and destroyed by fire. Home Secretary Theresa May was shown the destroyed distribution centre by chief police officers and fire fighters on 12 August 2011.

Yet by September, 2012, Prime Minister David Cameron was opening the rebuilt warehouse, and praising Sony for its efforts in retaining local employees through utilising the original site. The new, more advanced distribution centre was built against all odds in record time in order to be fully operational with stock for the peak Christmas sales period, which accounts for 50% of annual revenue.

What a turnaround! And Cauntion were at the heart of this success story.

One major reason for this speedy turnaround was that Cauntion a leading steelwork design-and-build company was appointed by Riley Consulting, the managing surveyor, ahead of both the Principal Contractor, ISG, and other trade contractors. This meant that Cauntion's design team working alongside the Architect, David Turnock Architects, could plan and coordinate

most details, with input from Sony UK directly, in advance of the rest of the job starting. This saved precious time on the programme. The new structure is a "bigger and better" distribution centre on the same site - two metres higher than its predecessor with an extra floor of offices and covering 24,000 square metres. The photograph shows the structure during erection. Cauntion are delighted to have been of service to an iconic record producer with a record construction programme.

**Main Contractor:** ISG Pearce Group  
**Engineer:** G D Partnership  
**Architect:** David Turnock Architects  
**Tonnage:** 1139 te



## Project Roneo for Waitrose Matrix Park, Chorley, Lancashire

*360,000sq foot warehouse and 50,000sq foot of office space*



**Client:** Waitrose  
**Main Contractor:** Winvic Construction Ltd  
**Engineer:** RPS  
**Architect:** AJA Architects  
**Tonnage:** 1350 te

Cauntion are erecting over 1200te of structural steelwork for the 360,000sq foot warehouse and 50,000sq foot office space - see the photograph.

The development on the former BAE Systems site, will serve the retailer's 80 branches across the North of England and Scotland.

This £35m project by the supermarket giant is managed by main contractor Winvic. It will bring more than 600 jobs to the Chorley and South Ribble area. Cauntion are delighted to be involved with helping create such a benefit.

## Unit 4 Nexus Point - Birmingham

*A 35,000 sq ft warehouse designed to cater for future extension*



**Main Contractor:** Wilson Bowden  
**Engineer:** Clarke Bond Partnership  
**Architect:** Peter Hing & Jones  
**Tonnage:** 430 tonnes

Cauntion completed a warehouse and office facility for paper recycling and manufacturing giant Kappa SSK. It is the third phase of the Nexus Point development at Birmingham.

The project consists of 35,000 square feet of warehouse with 1,500 square feet of attached 2-storey office block and gatehouse. The warehouse is portal framed with hipped roof and has been designed to cater for future extension at one end.

Erection of the frame, plus co-ordination of site activities with other specialist contractors, was carried out by Cauntion's in-house site staff in only 4 weeks.

# Cabot Park at Avonmouth, Bristol

*The largest purpose built multi-modal distribution park in the UK*

Caunton Engineering supplied the steelwork for a major new distribution warehouse near Bristol. The project, for client Innovate Holdings, was constructed at Cabot Park where the contractor was Innovate Construction, a member of the Innovate Holdings Group. Caunton were employed in a design-and-build role on this particular project.

Cabot Park is to be the largest purpose built multi-modal



distribution park in the UK when completed. It encompasses a new rail terminal, the deep water facilities of Bristol Port immediately next door, and ready access to the M5 and the Bristol road infrastructure.

Caunton's steelwork framed a three bay warehouse of 150,000 sq feet footprint, and a three storey office block of 9,000sq feet. The design allowed the flexibility of a ready conversion of the building to a cold store if so required.

**Client:** Innovate Holdings  
**Main Contractor:** Innovate Construction  
**Engineer:** Cameron Taylor  
**Architect:** Enhance Building Design  
**Tonnage:** 600 tonnes

The site is over 150

hectares in area so there will be substantial opportunities for new occupiers.

## Unit C - Colthrop Mills

*New Depot consisting of twin 45m span portal-frames with internal offices blocks and a 21m span portal frame running in tandem*



Caunton designed & supplied the structural steelwork for a major new drinks distribution depot at Thatcham, in Berkshire in double quick time.

The depot was designed as a warehouse facility and consists of twin 45m span portal-frames with internal two storey office blocks. In tandem there is a 21m span portal frame with two 20m span propped canopies running the entire length of the building. These provide the shelter required for 48 loading docks plus the Transport Administration Office.

Gazeley's Fastrak programme required precise planning to ensure the main structure was fully erected & handed over after only seven weeks. This was achieved by Caunton working in close co-operation with contractors VolkerFitzpatrick. The structure comprised over 1,350 tonnes of steelwork, and encompassed an area of 42,000 sq.m. This was no mean feat as the erection teams had to overcome the major obstacle of an open culvert bisecting the site.

**Client:** Gazeley Properties  
**Main Contractor:** VolkerFitzpatrick  
**Engineer:** RPS, formerly Burks Green  
**Tonnage:** 1,350 tonnes

# JD Sports Warehouse - Kingsway Business Park, Rochdale

**One of the Biggest Warehouses to be built in the North West over the last 10 years  
- Steelwork by Caunton**

Steelwork was supplied by Caunton for one of the biggest warehouses to be built in the North West over the last 10 years.

The site is located in Greater Manchester, on Rochdale's flagship Kingsway Business Park

near J21 on the M62. The end user is retail giant JD Sports and as the group has now grown to well over 400 stores, covering sports and branded fashion, this new distribution warehouse is going to be very much in demand.

Main Contractor Winvic Construction is now constructing the building for Wilson Bowden Developments, which features

a 616,000sq.ft distribution centre and 250,000sq.ft mezzanine space.

The steelwork roof framing comprises a five bay portal structure, each bay 37 metres span and 17 metres to eaves. The

building is a massive 300—metres long and incorporates nearly 3000te of steelwork.

Steel is fast, flexible and has excellent strength to weight qualities – resulting in this massive warehouse being built in the shortest possible time. Caunton supplied the steelwork on a design and build basis which further accelerated the programme and significantly drove down cost.

**Client:** Wilson Bowden Developments  
**Main Contractor:** Winvic Construction  
**Engineer:** TR Collier & Associates  
**Architect:** DLA Architecture  
**Tonnage:** 2,750 tonnes



## Next Distribution, South Elmsall

**A sizeable Distribution Centre designed by Caunton and erected to a tight programme**



under the expert supervision of Main Contractor Marshalls Construction.

As with Doncaster, Marshalls again employed their successful Fastrak construction programme such that Caunton completed its operation of erecting over 1500te in only 12 weeks. The project itself comprises the high bay warehouse illustrated, plus an adjacent and significant steel-framed three-storey office block, where Caunton were also responsible for the installation of the metal decking & pre-cast concrete stairs.

Caunton Engineering had only just completed erecting the structural steelwork for the sizeable NEXT warehouse in Doncaster - 56,000 sq. metres and 2200te of steelwork in all - when they were awarded a similar contract for NEXT's South Elmsall Distribution centre - again in South Yorkshire.

**Client:** NEXT  
**Main Contractor:** Marshall Construction  
**Engineer:** Jordan Pritchard Gorman  
**Architect:** Building Management Services Ltd  
**Tonnage:** 1,500 tonnes

The photograph illustrates the impressive height of the building required for the high bay warehouse function, and indicates the sophisticated design generated by Caunton's Design Team.

The columns are over 19 metres in height. The photograph also shows the laser-screed floor, finished to an accuracy of plus or minus 5mm



## Cold Store at Bilsthorpe

**A large new cold store with a capacity to hold over 53,000 pallets of frozen products**

Caunton supplied and erected over 735 tonnes of structural steelwork for one of the UK's largest independently owned cold store distribution companies, Phil Handley Limited which later became fully integrated into the Innovate Group.

Caunton have a long history of framing cold stores. In the '80's and '90's the company was involved with supplying the steelwork for seven cold stores for Associated Fisheries. In the '00's in addition to Bilsthorpe featured above, cold stores were serviced in Whitchurch for Grocontinental, in Kent for Ardovries, in Livingston for Big Food Group and in Holmewood again for Innovate.

Caunton worked for main contractor F J Chalcraft on this particular project which included the supply of internal mezzanine floors and lattice roof. The new cold store situated at Bilsthorpe provided Phil Handley Limited with the capacity to hold over 53,000 pallets of frozen products plus an additional 3,500 pallets of chilled products.

**Client:** Phil Handley Limited  
**Main Contractor:** VolkerFitzpatrick Contractors  
**Engineer:** Grout Buckton Partners  
**Architect:** David Trundle Design Services  
**Tonnage:** 735 tonnes



# Rothley Lodge Farm, Leicestershire

***A series of three bay portal frames each with curved profiles to form a new paper processing plant plus ancillary buildings***

Over 1,300 tonnes of structural steelwork was supplied for a major new paper processing plant near Leicester. The client, LPC Group, has become Britain's largest independent manufacturer of specialist paper products. The location is the former Rothley Lodge Farm site where excavation by archaeologists yielded substantial finds, details which will be published before too long. These operations perforce delayed the start of the construction of the Plant, but steelwork erection was soon underway to construct the new plant.

The structure itself was a series of three bay portal frames, each with curved profiles plus ancillary buildings, encompassing 450,000.sq. feet of covered space for finished paper production and packing.

There are further plans to build a Mill alongside to process the raw pulp, thereby expanding and complementing the overall operation. Cauntan were employed by major contractor Costain who themselves are contracted to the increasingly important development company, Rosemound Developments.

**Client:** Rosemound Developments  
**Main Contractor:** Costain Ltd  
**Engineer:** Stewart & Harris  
**Architect:** Rothera Goodwin  
**Tonnage:** 1,300 tonnes



# T.J. Morris Distribution Centre

***A 250,000sq.ft warehouse extension for well-known discounted branded goods retailer***



Steelwork was supplied on a design and build basis for an extension to TJ Morris's distribution centre by Cauntan recently. This facility operates from their head office in Liverpool. TJ Morris, known better to the general public as Home Bargains, is recognised as a fast growing and successful

retailer operating on high volume turnover selling branded goods at low prices. The Company has over 170 stores in the North and Midlands, and has plans to grow to approximately 500 stores within the next eight years.

This enlarged distribution centre is clearly the first step. Cauntan is supplying over 1,500 tonnes of steelwork for a 250,000sq feet extension. The main body of the building consists of a central high bay warehouse with four 28.5m spans, 116m long, and a soaring 32m eaves height. There is a 12m high x 27m single span portal leading off on one side & a 12m high x 22m twin span portal leading off on the other. The depot itself is rounded off with an integral 20m span x 80m long loading canopy. Operations

are topped off with the construction of a new Training Centre, a Vehicle Maintenance Unit, a Transport office & a Gatehouse.

The main contractor for this prime development is major national contractor Bowmer & Kirkland. Cauntan is obviously pleased to be of service both to B&K, and to this ambitious retailer in its expansion plans and wishes T J Morris every success.

**Client:** T.J. Morris Plc  
**Main Contractor:** Bowmer & Kirkland  
**Engineer:** WA Fairhurst & Partners  
**Architect:** Alan Johnson Associates  
**Tonnage:** 1,520 tonnes



# Distribution Centre - Houghton Main

**An 84 dock distribution centre with external office block completed in just 8 weeks**



split into four phases in which Caunton completed the job in a speedy eight weeks.

To allow for the large spans, Caunton used 610mm x 229mm rafters throughout,

**Client:** ProLogis  
**Main Contractor:** Buckingham Group  
**Engineer:** RPS Burks Green  
**Architect:** Alan Johnson Associates  
**Tonnage:** 1,600 tonnes

Major developer ProLogis bought a 36-acre site at Houghton Main, near Barnsley, in October 2005, after Harworth Estates - a division of UK Coal - closed the colliery and reclaimed the land for employment use.



Caunton constructed the steelwork for the 49,025m<sup>2</sup> distribution centre which has 84 docks, a two-storey external office block, a small internal hub office and easy access to both the M1 and M18 motorways.

while internal and external columns are predominantly 762mm x 267mm members.

The warehouse also features cantilevered eaves detail with bull nose flashing and feature CHS bracing to the elevations. Around the unit's main office entrance there are also CHS columns acting as supports to brise soleil sunshade louvre blades.

The warehouse measures 321m x 145m, and consists of four 36m spans with 40 8m wide bays.

The entire steelwork project was



# Warehouse for TEVA UK, Wakefield

**New head office & logistics centre for top pharmaceutical company**

Caunton assisted on building facilities for Teva, a company which is among the top twenty pharmaceutical companies in the world, and undoubtedly the biggest in generic products.

The new building, including a 200,000ft<sup>2</sup> of warehouse and 60,000ft<sup>2</sup> of office space, has a capacity no less than five times bigger than Teva's previous site, with floor space covering the equivalent of three football pitches.

The facility is now the company's main UK distribution hub, significantly expanding and strengthening its supply chain warehouse and logistics activity. The highly automated, state-of-the-art systems brought benefits in terms of both supply and service.



**Client:** TEVA UK  
**Main Contractor:** Winvic Construction  
**Engineer:** Sprigg Little Partnership  
**Architect:** Stephen George & Partners  
**Tonnage:** 920 tonnes

# Next Distribution Warehouse - Doncaster

**Warehouse covering 56,000m<sup>2</sup> constructed to a 'Fastrak' programme**

Caunton provided the structural steelwork for a distribution warehouse for retailer Next in Doncaster. Working to the "Fastrak" programme of Yorkshire based contractor Marshall Construction demanded accurate planning by Caunton but ensured the main structure was fully erected and handed-over in only ten weeks. The structure itself contained over 2,200 tonnes of steel, covering an area of 56,000 m<sup>2</sup>.

installation of pre-cast stairs and metal decking. The main building itself is an extremely tall 19m to eaves and consists of eight 31.5m span portals running a total length of 223m in 38 bays in all. A canopy ran virtually the entire length of both gables providing shelter to the thirty-six loading docks.

All the steelwork was fabricated at Caunton's premises at Moorgreen, Nottingham. Throughout the majority of Caunton's erection period, the company employed a team of twenty directly employed erectors with a plant inventory of four cranes, sixteen mobile platforms (cherry pickers) and two tele-handlers for off-loading materials



**Main Contractor:** Marshall Construction  
**Engineer:** Terence E Dudley & Associates  
**Architect:** Stone & Moon Associates  
**Tonnage:** 2,200 tonnes

Caunton's contract also included the design & supply of a main office block, internal Q.A. offices and a gatehouse which also involved the supply and



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