



## CAR PARKS

SAFE, SECURE AND  
BUILT TO LAST



# INTRODUCTION



Manchester Airport Multi-Storey Car Park

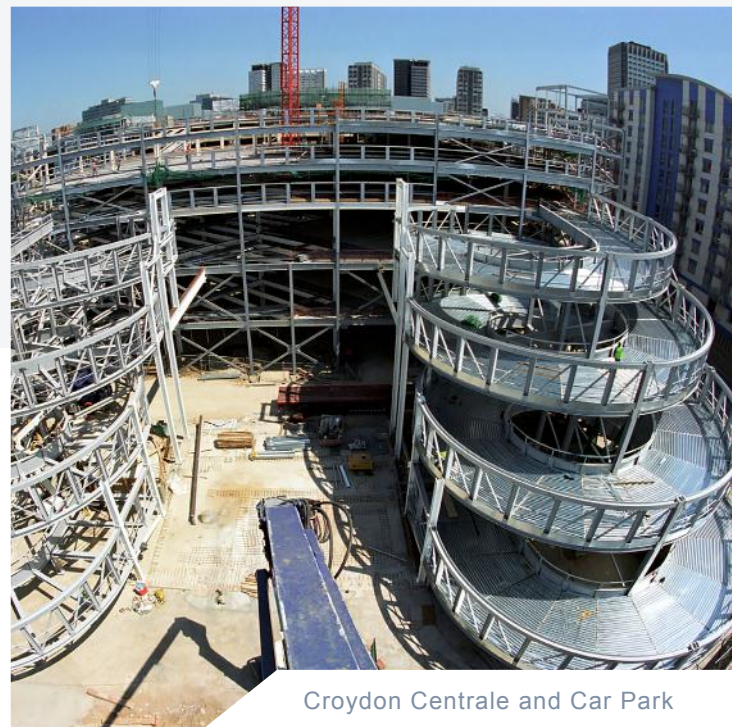
## DESIGN. BUILD. COLLABORATE.

For decades we've been building the future. As the UK's leading structural steel experts, we've forged our legacy in some of the country's most iconic buildings, spaces and creative solutions for critical infrastructure.

We're built on a foundation of outstanding customer service; we're responsive, dependable and flexible in order to meet diverse needs and project demands.



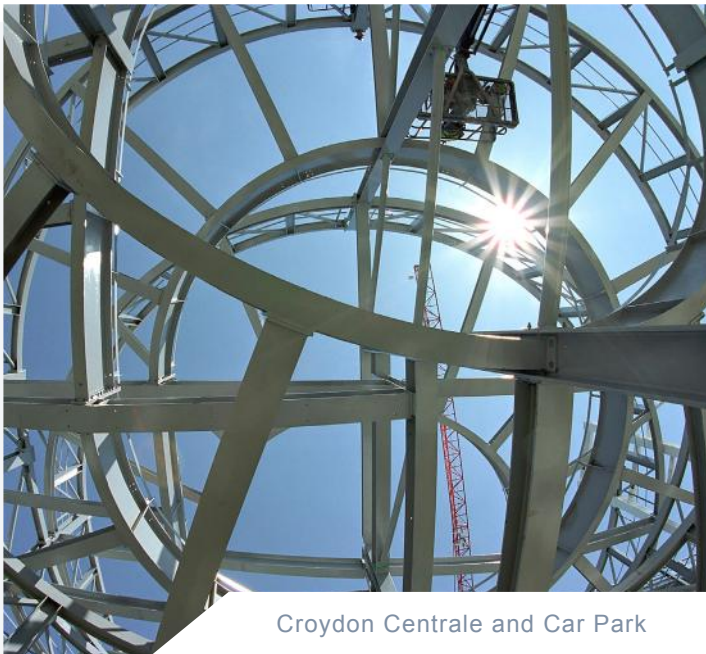
Excel Exhibition Centre MSCP



Croydon Centrale and Car Park



# TRANSPORT INFRASTRUCTURE CAR PARKS



Croydon Centrale and Car Park



Milton Keynes Distribution Centre

We operate across five UK sites, through which we can deliver unrivalled capacity and capability to meet your project needs. We have the skills and know how to deliver engineering solutions for various types of car park projects throughout the UK and internationally.

## CAPABILITIES



Our ability to work nationally and internationally, coupled with our limitless capabilities, mean we have been able to work on some of the country's largest-scale car park projects.

These include car parks such as: Manchester Airport Multi-Storey Car Park (MSCP), Heathrow Airport Terminal 2, Croydon Centrale, Westfield Shopping Centres at Bradford, Derby, Stratford and White City, Belfast City Hospital, and various other car parks for large distribution units.

Owing to the fact that our team offer a vast and diverse range of expertise, we are uniquely placed to work closely with you in a collaborative way. We can deliver an impressive suite of services and car parks that meet a wide range of needs, from railway and airport parking, to education, commercial, healthcare, stadia and more.

Through years of experience, we have developed cost effective and optimised steel framed car park solutions to meet demanding and varied requirements.

- We design concepts which facilitate aggressive delivery programmes (both off-site at design stage and on-site at construction stage)
- We have the ability to provide floor construction options. These could be by using either steel beams supporting precast concrete floor planks, or steel beams supporting composite slabs formed on long-life metal floor decking
- We have our own MSCP barrier system - which also acts as the temporary edge protection during construction

## SERVICES

# DESIGN

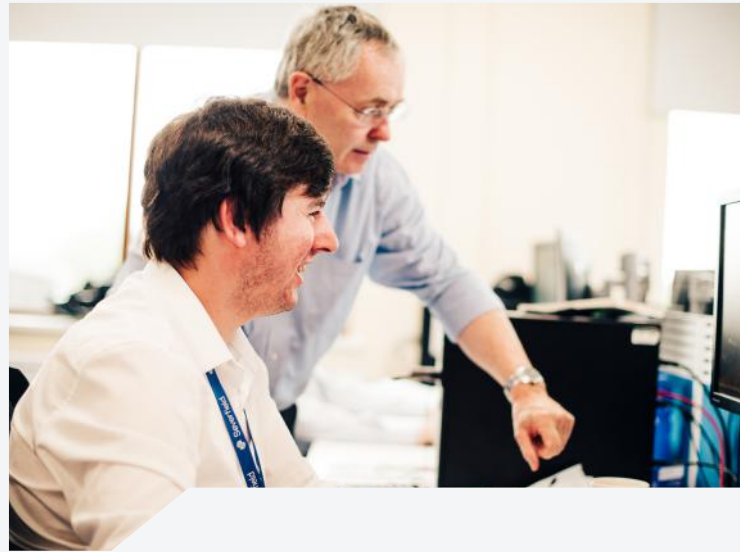
Our highly skilled and motivated structural and civil engineers have exceptional specialist knowledge of structural steelwork design. These skills, combined with extensive experience in the sector and the use of innovative tools, such as our bespoke Severfield connection software, mean we are in a position to deliver many unrivalled solutions, offering both commercial and programme advantages.

Our design work even extends to the car park barrier system - whether this is our own, or client-specified. Severfield is also able to offer options on facade cladding, composite cladding, precast lift shafts or stairs, and concrete to metal decking. All in all, this ensures our client receives an end-to-end solution for their project.

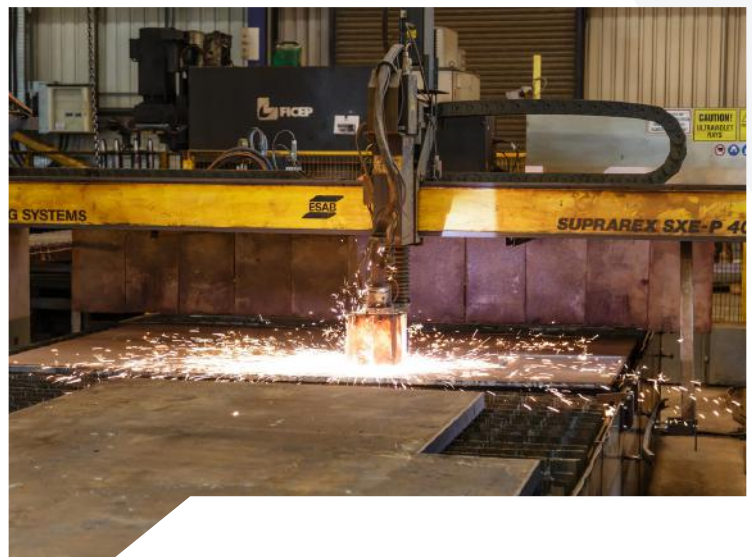
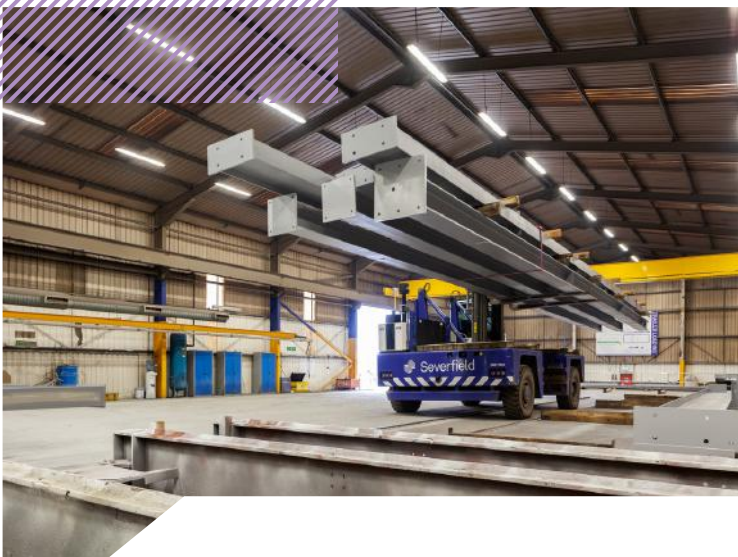
# MANUFACTURE

Our fabrication facilities are second to none. From our expansive stockyards, to in-line cutting, fabrication, welding and painting; we have some of the largest finished goods storage areas in the industry.

A significant investment in market-leading technology allows us to handle the manufacture of diverse steel requirements and continuously offer market-leading solutions to the most varied and challenging of briefs.



The great work we do would simply not be possible without the hard work and extensive skills of our manufacturing experts. Some of these projects require incredible expertise to ensure complex briefs and large-scale projects can be completed efficiently, effectively and within budget. We are confident we have the very best people for the job, and we invest in their development, continuously, to ensure we stay ahead of the curve and at the forefront of our industry.

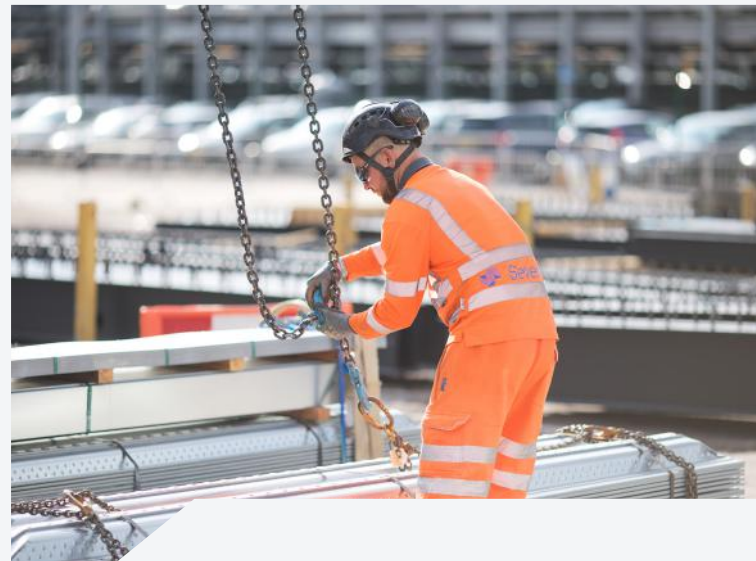




# DELIVERY

WS Transportation (WST) is our haulage partner for the majority of our steel products. WST boasts a range of modern and advanced equipment, such as new trailers, specialist trailer safe systems, exclusion zone barriers, cycle aware

cameras and audible warning features for city centre deliveries. Our passion for completing jobs safely and working with suppliers that share our approach, is a significant part of what makes our projects run smoothly.



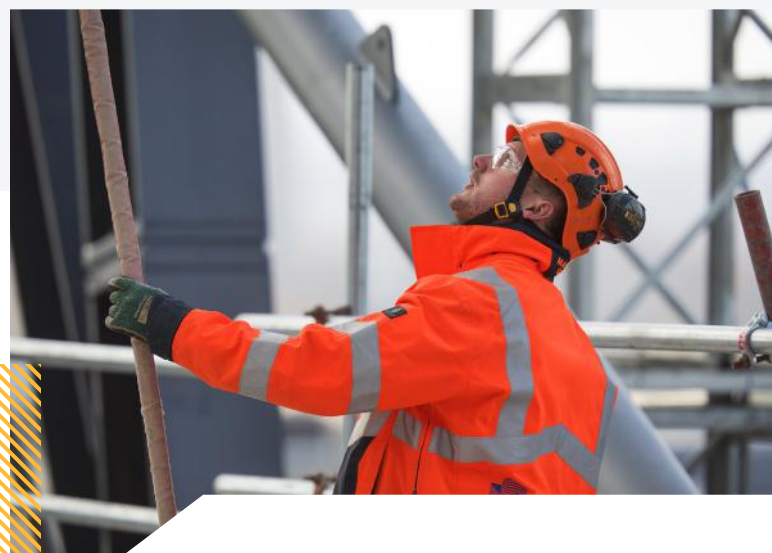
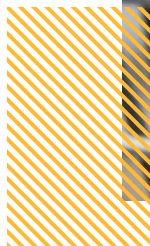
# CONSTRUCTION

We boast a highly-trained construction workforce. With a focus and passion for optimum health and safety on all of our sites, we understand we must place an emphasis on the quality of the people we employ, their training, and making sure we provide up-to-date equipment.

these include a safety handrail solution 'Seversafe Edge Protection System', our 'Seversafe Off-load System' for the safe loading and unloading of steelwork and a tool-tethering system to further boost our safety performance.

Appropriate and timely training for employees means we can be confident in delivering performance excellence whilst meeting and exceeding health and safety standards. We work closely with equipment manufacturers to ensure that efficiency and safety are always at the forefront of our operations.

All our sites are consistently monitored to ensure essential standards are maintained. We have also developed our own unique 'Seversafe' systems -



# MANCHESTER AIRPORT MULTI-STOREY CAR PARK

## About this project:

- A five-level, multi-storey car park (MSCP), 330 metres long
- This became the second largest MSCP in Europe when built – providing enough space for over 8,000 cars
- 5,000 tonnes of our steel was fabricated, delivered and constructed
- We were heavily involved in the design and detailing on this project and our own innovations helped with faster delivery times and significant cost savings for the client

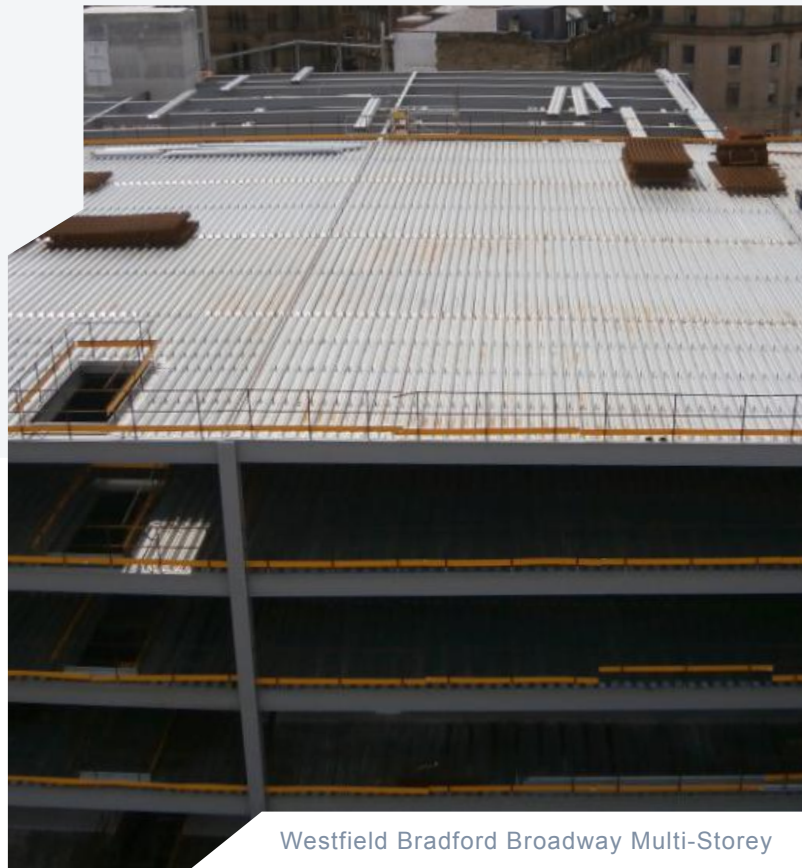


Manchester Airport Multi-Storey Car Park

# WESTFIELD BRADFORD BROADWAY MULTI-STOREY

## Next level retail parking:

- Approximately 2,500 tonnes of steel used
- Creation of 1,300 parking spaces
- Five levels of car parking are located above the central retail zone; this part of the steel frame utilises a 16m x 8m grid to provide column free bays
- Two steel bridges, formed with 16-tonne beams, link car parking on either side of the pedestrianised mall
- This project required an important redesign as the main spiral access ramp form was changed from concrete to a steel frame - a complex process that used specialist modelling software to plan the curved sections



Westfield Bradford Broadway Multi-Storey



# CROYDON CENTRALE AND CAR PARK

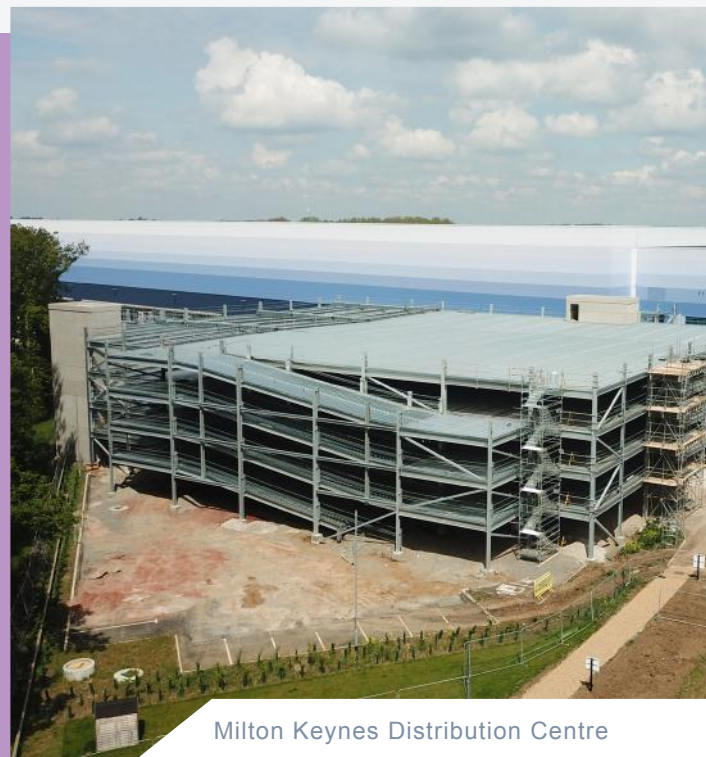
## Space to shop, play and dine:

- > This project required 565 tonnes of car park ramp steel and another 630 tonnes of plate girders
- > The car park was part of a significant mixed-use retail, leisure and department store complex in Croydon town centre

# MILTON KEYNES DISTRIBUTION CENTRE

## Keep goods moving:

- > 700 tonnes of steel required for this multi-storey project in Milton Keynes
- > A four-floor, 540 space parking facility
- > Complete design, fabrication and erection of a fully-galvanised steel frame
- > Features a Magnelis coated decking
- > Bespoke barrier system



Milton Keynes Distribution Centre

# EXCEL EXHIBITION CENTRE MSCP

## Exceptional event parking:

- > A necessary space to provide a suitably secure and spacious parking project for one of the country's leading event spaces
- > Design and build of the car park steel frame
- > 845 tonnes of steel fabricated, delivered and constructed
- > Supply and installation of the pre-cast concrete floor plants, stairs, crash barriers, handrails and external cladding

IF YOU WOULD LIKE TO DISCUSS YOUR NEXT  
CAR PARK PROJECT, PLEASE GET IN TOUCH.

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