

# Investing in steel for future generations



Steel for power, energy, process, airports, rail,  
education, hospitals and high rise

Car park construction

Modular manufacturing to save time and money

# Bourne Construction Engineering



## Peacehaven Wastewater Treatment Works

Location: East Sussex, UK

Peacehaven Wastewater Treatment works was built to ensure 95m litres of wastewater generated each day from the surrounding area is treated to the highest standard, before being released into the English Channel. When built in 2011, the plant featured the largest green roof in the UK.

We have been designing and building steel structures since 1946. During this time, the Company has worked in over 20 countries, including Sweden, Abu Dhabi, Nigeria, Iraq, Africa, Bermuda, Jamaica, Dubai, The West Indies, Malaysia, Australia, Poland, America, Saudi Arabia, The Virgin Islands, Iran, Kuwait, Qatar, Bahrain and Egypt.



## Blackfriars Train Station

This brochure highlights just a handful of the 4,000+ projects delivered during this time

**Beckton & Crossness  
Wastewater Treatment  
Works**

Location: London, UK

The treatment centres are situated opposite each other on the north and south banks of the River Thames. Interestingly, both buildings have virtually no straight lines.



Specialist market sectors

- Power and energy  
(power stations, energy from waste facilities)
- Process
- Water treatment
- Airports and rail/train stations
- Car parks
- High rise
- Modular buildings
- Schools
- Hospitals
- Bridges



## La Collette Energy From Waste (EfW)

Location: Jersey, UK  
(Channel Islands)

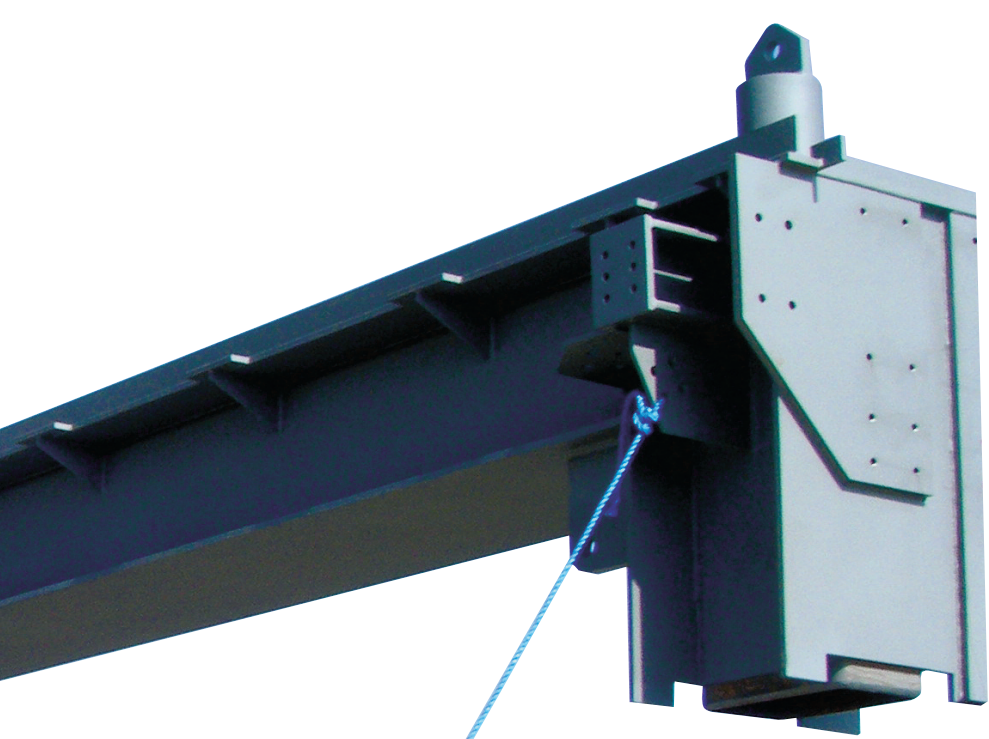
La Collette EfW was opened in 2011 and provides a reliable means of waste disposal for Jersey. The project was commended at the 2012 Structural Steel Design Awards.



## Keady Power Station

Location: Lincolnshire, UK

During the 1990's, Bourne Construction Engineering built 14 power stations in the UK, almost half of all those constructed over the decade.



### Abford House

Location: London, UK

Abford House is a high rise, commercial development in central London which was refurbished by Bourne in 2007.



### IQ Business Park, Car Park

Location: Farnborough, UK

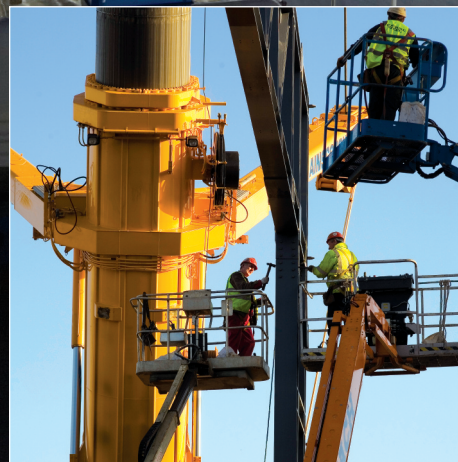
Bourne Parking, the Company's car park specialist division, has designed and constructed over 35,000 parking spaces. Built with steel and concrete, this seven storey, 945 capacity car park in Farnborough is a prime example of the types of car parks Bourne can deliver.



## Pinewood Studios

Location: Hertfordshire, UK

In 2006, a fire destroyed the famous 007 stage and Bourne was presented with the challenge of re-building the set in time to film the next James Bond movie.





### Riverside Energy From Waste

Location: London, UK

This is the UK's largest EfW plant, covering an area of 13,000m<sup>2</sup>, with the roof rising to a height of 55 metres.



### Freston Road

Location: London, UK

This is the eight floor headquarters for retail chain Monsoon Accessorize. The project used a highly complex roof system with exposed columns and trusses, resulting in an iconic building.



### Gatwick North Terminal Interchange (NTI)

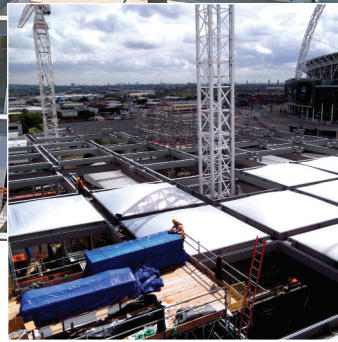
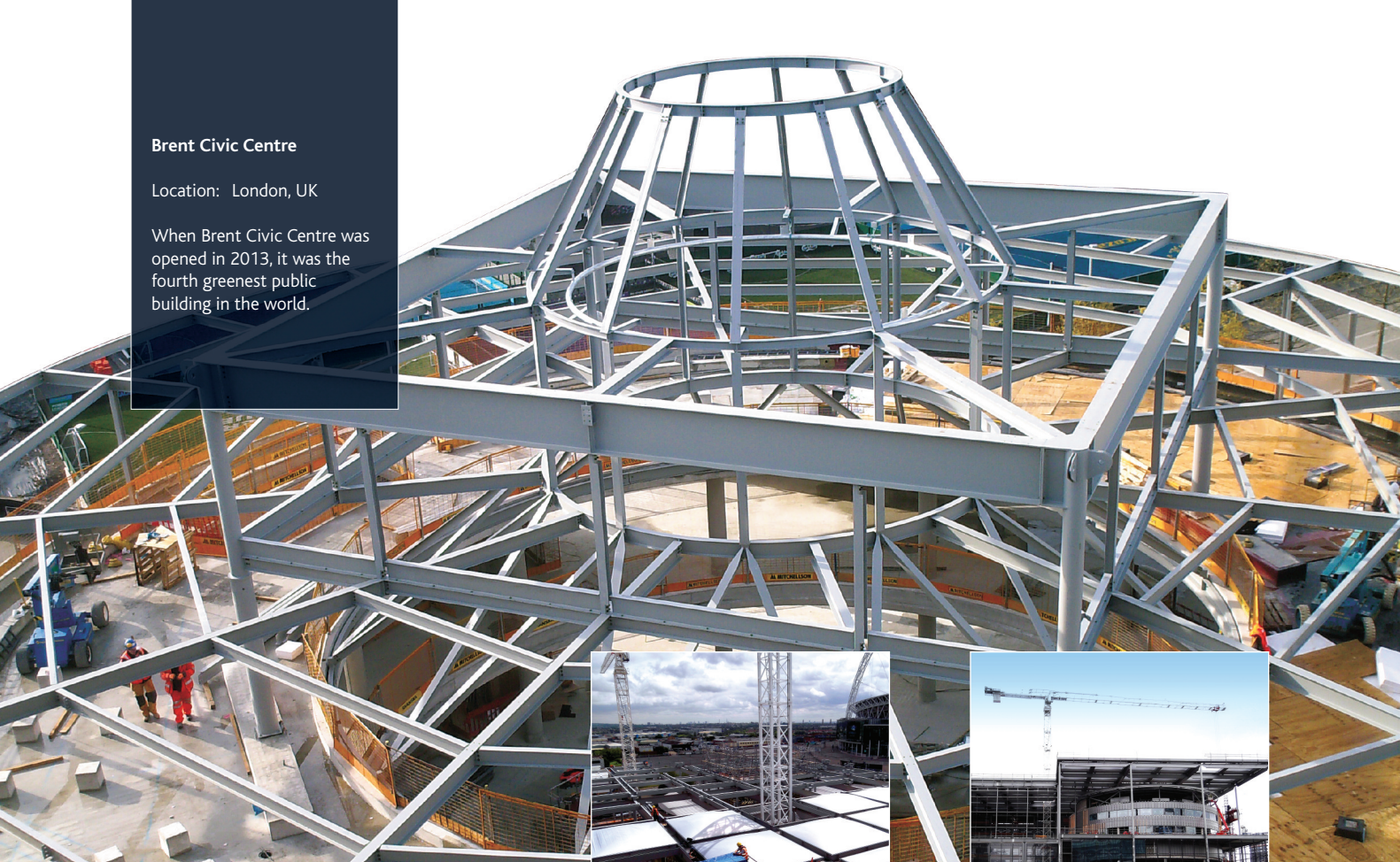
Location: Gatwick Airport, UK

As part of the ongoing redevelopment at Gatwick airport, Bourne provided the steel frame, floors, lift shafts and blast proof train enclosures for the NTI canopy structure.

## Brent Civic Centre

Location: London, UK

When Brent Civic Centre was opened in 2013, it was the fourth greenest public building in the world.



## Heathrow Airport

Location: London, UK

Over the past decade, Bourne Construction Engineering has worked extensively at Heathrow. Work carried out includes building the airport's bus station and process systems. The above picture is of a modular fixed link structure called AirLink. A series of AirLinks are being installed at Heathrow throughout 2013.





## Reading Train Station

Location: UK

Throughout 2012 and 2013, vital work was carried out to increase capacity and modernise Reading station, one of the busiest parts of the UK rail network. Bourne Construction Engineering constructed the new station buildings and platforms.



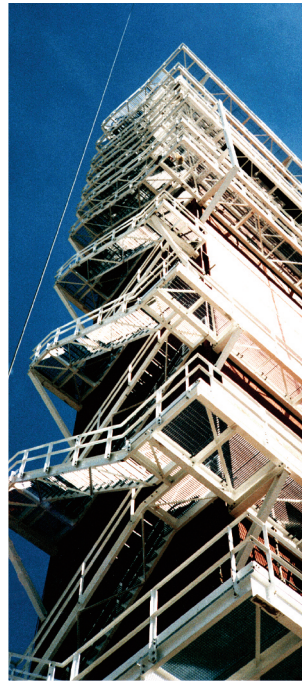


## Bridges

We have delivered a range of bridge structures, including pedestrian footbridges, process bridges and large motorway bridges.



Beef Island Airport,  
British Virgin Islands



**British Oxygen Company  
(BOC)**

Location: Sweden, Australia,  
USA and UK

We supplied and installed  
60m airtight exchanger  
structures for BOC, to  
produce gas for local  
steel mills.



**Globe Academy**

Location: London, UK

This education project  
included the refurbishment of  
an existing building, as well as  
the construction of two  
structures; the school building  
covers three storeys.

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for future generations



## The complete solution

- Steel frame designs
- Kit formats
- Metalwork
- Glazing
- Curtain walling
- Floors



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