



**Hooton Bio Power Centre**

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**Client**

Hooton Bio Power

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**Contractor**

Burmeister & Wain  
Scandinavian Contractor

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**Engineer**

Krabbenhoft & Ingolfsson

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**Steel Tonnage**

900 tonnes

Caunton Engineering supplied and erected the main and secondary steelwork, which included access stairs, ladders, open mesh flooring and handrailing to the Bio Power Facility, constructed by Burmeister & Wain Scandinavian Contractor (BWSC). This 240,000 tonnes capacity gasification facility in Hooton, Cheshire was fuelled by 'locally sourced waste', using 240,000 tonnes of refuse-derived fuel each year. It was expected to generate more than 200 GWh of electricity annually.

The project, comprising of 900 tonnes of main and secondary steelwork, consisted of framing the Boiler House, Turbine Hall, Fuel Storage and Fuel Unloading Building. The steelwork connections were designed by Caunton's Technical Team.

It proved a very tight site with the structures all adjacent to each other on a relatively small footprint. Site and erection logistics played a key role here, as Caunton's erection team had to work around the other trades. During the erection process, Caunton left large openings in the roofs and elevations to allow main contractor BWSC to install the plant's large boiler and processing equipment. Once the majority of this had been installed, Caunton returned to infill the remaining steelwork areas.

**Caunton Engineering Ltd.**

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