



**Facility:** **SRF Plant**

**Input Stream:** **General C&I Waste**

**Company:** **H Brown & Son (Recycling) Ltd, Stoke-on-Trent**

In 2012 O.Kay Engineering were chosen to design, build and commission H Brown & Son's brand new SRF Facility in Stoke-on-Trent, Staffordshire. The facility provides Browns with a zero to landfill solution for all their general waste.



Brown's investment in the SRF plant means they now offer their customers a full zero to landfill disposal solution. Brown's have also now fully internalised their own waste processing and, due to the plant's high throughput, they can also accept third party waste for processing at the facility . These positive changes have revolutionised Brown's waste management business. Accordingly, the plant represents a fantastic investment to Brown's by ensuring a complete solution for their customers into the future while, crucially, offering daylight between landfill prices and their SRF solution.

**Key Facts**

Waste Type	General C&I waste
Throughput	20tph
SRF Conversion rate	70% (100% landfill diversion)
Output	SRF and recyclables
Key Equipment	Untha pre shredder, IFE waste screen, air knife, over-band magnets, dust extraction, Untha post shredders.



Rod Brown, Managing Director for H W Browns says ' *O.Kay Engineering are a trustworthy, professional organisation. Their attention to detail during the design phase ensured a smooth transition into the plant build*

*and ultimately the day to day operation. The plant operates exactly as promised."*

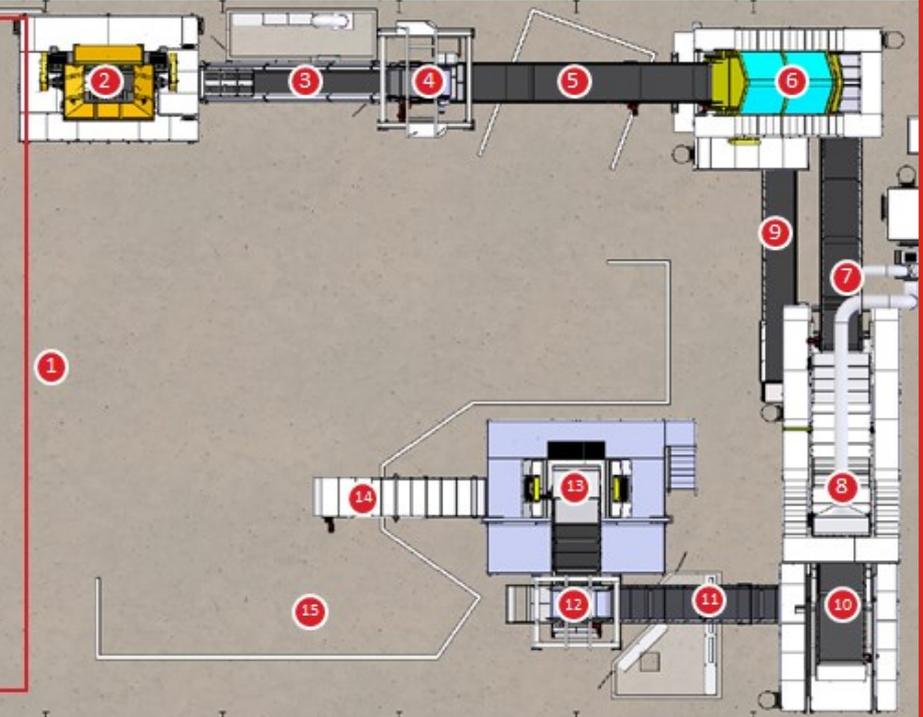


The Browns SRF facility consistently produces high quality SRF from a wide and varied waste mix. The plant is operated to ensure the chlorine and moisture content of the SRF falls well within the cement kiln fuel specification and the calorific value consistently falls between 17 and 20MJ/kg. Browns distribute the SRF to various Cement Kilns across the UK and Europe.



### Process Description

- 1 Waste Reception area
- 2 Pre Shredder
- 3 Pre shredder discharge conveyor
- 4 Overband magnet
- 5 Feed conveyor to fines screen
- 6 Fines screen
- 7 Transfer conveyor to air box
- 8 Air box
- 9 Heavies transfer conveyor from air box
- 10 Eddy current separator
- 11 Elevating conveyor
- 12 Overband magnet
- 13 Post shredder
- 14 SRF discharge
- 15 SRF Storage



### Life-long After-care, Servicing and Same-day Support

At O.Kay Engineering, we don't want to sell you just a new machine/plant and then disappear. We believe in life-long customer after-care, service and support. Whether you want just a friendly chat about the best way to maintain your equipment, or you would like us to come out and service your kit, you can call O.Kay Engineering around the clock and speak to an engineer within minutes.

For emergencies and breakdowns, we have our own modern UK manufacturing facility from which we run our large support fleet and from where we can respond quickly with the supply of parts and same-day solutions.

O. Kay Engineering Services Ltd, Eagle Avenue, Magnet Park, Desborough, Northampton, NN14 2WD, United Kingdom.

Tel: 01536 765010 Fax: 01536 765011 email: [postbox@okay.co.uk](mailto:postbox@okay.co.uk) [www.okay.co.uk](http://www.okay.co.uk)