

Media release, 30<sup>th</sup> June, 2016

## **Ferrybridge Multifuel 2 – Hitachi Zosen Inova Builds on Success Story**

Swiss technology company to deliver Europe's largest energy-from-waste plant undertaken by an individual contractor

***Following on from the successful completion of the first energy-from-waste plant (EfW) in Ferrybridge (UK), the Swiss clean-tech company Hitachi Zosen Inova has received the order to construct the second facility. The company's ninth project in the UK will mark a new milestone. The complete plant, consisting of a total of four lines, ranks among Europe's largest and most efficient EfW plants.***

After the successful construction of Ferrybridge Multifuel 1 (FM1) in 2015, the kick off for Ferrybridge Multifuel 2 (FM2) has become reality. The engineering, procurement, and construction (EPC) contract has been awarded to Swiss Hitachi Zosen Inova (HZI), which already provided its first-class technology for FM1 and served as general contractor. The contract between HZI and the client SSE plc came into force on June 30, 2016. "HZI proved itself to be an exceptionally constructive and reliable partner in the realization of FM1. We therefore have absolute confidence in working with them again and anticipate as with FM1 that jobs will be created either direct or indirect as a consequence of the FM2 project" said Charlie Cryans, Head of Construction for SSE UK and Ireland

With a remarkable boiler capacity of 117.4 MW<sub>thermal</sub>, FM2 will achieve the same outstanding efficiency as its sister plant.

### **Utmost Energy Efficiency from Diverse Fuel Sources**

Using a thermal EfW process, FM2 will annually handle around 570,000 tonnes of waste-derived fuel from various sources such as municipal solid waste, commercial and industrial waste and waste wood. The plant will be producing enough energy to power around 170,000 homes. With net energy efficiency of 31%, it will be on a par with its sister plant and will also rank among the top facilities in Europe in this regard. Achieving these values was one of the criteria for HZI securing this project. HZI CEO Franz-Josef Mengede stressed: "We are proud to be chosen for a repeat order by SSE based on trust in our technological performance as well as our capability to deliver complex turn-key projects safely, on time and at a high quality level."

### **Boost for the Regional Economy**

In addition to energy recovery, the project will also add economic value, this not least contributing to the exceptionally high support from the population. As with FM1, the construction of FM2 will also benefit local businesses. "Together we can thus make an important contribution to a sustainable and green economy," emphasized Franz-Josef Mengede.

The new project is worth a total of over CHF 360 million. Initial building work is likely to start in July 2016, with the first waste fire expected in 2018.

## Factsheet

Owner and operator	SSE plc
Waste type	Multifuel: Solid Recovered Fuel (SRF), municipal solid waste, commercial and industrial waste, waste wood
Scope of supply by HZI	General contractor for turnkey plant incl. civil works
Number of lines	2
Annual capacity	566,000 t/a (nom), 676,000 t/a (max)
Throughput per line	35.4 t/h (nom), 42.3 t/h (max)
Thermal capacity per line	117.4 MW
Grate type	Hitachi Zosen Inova grate
Grate cooling	Air- and water-cooled
Boiler type	Five-pass boiler, hanging
Steam production	145.1 t/h per line, 73 bar, 430 °C
Flue gas treatment	SNCR DeNOx, Hitachi Zosen Inova SemiDry system

### About Hitachi Zosen Inova

Zurich-based Hitachi Zosen Inova (HZI) is a global leader in energy from waste (EfW), operating as part of the Hitachi Zosen Corporation Group. Formed from the former Von Roll Inova, HZI acts as an engineering, procurement and construction (EPC) contractor delivering complete turnkey plants and system solutions for thermal and biological EfW recovery. Its solutions are based on our efficient and environmentally sound in-house technology, are thoroughly tested, can be flexibly adapted to user requirements, and cover the entire plant life cycle. The company's customers range from experienced waste management companies to up-and-coming partners in new markets worldwide. HZI's innovative and reliable waste and flue gas treatment solutions have been part of over 600 reference projects delivered since 1933. To find out more about HZI, please visit [www.hz-inova.com](http://www.hz-inova.com)

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### About SSE plc

SSE plc is one of the UK's leading energy companies, involved in the generation, distribution and supply of electricity and in the extraction, storage, distribution and supply of gas. Its core purpose is to provide the energy people need in a reliable and sustainable way. It supplies energy to around 8.21 million energy and home services customers throughout Great Britain and Ireland, is frequently ranked number one for customer service and is the UK's leading generator of electricity from renewable sources. It became a Living Wage employer in September 2013 and was accredited with the Fair Tax Mark in October 2014.

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