

Media Release, Thursday 28th November 2013

Hitachi Zosen Inova to begin construction of new Severnside Energy Recovery Centre for SITA UK

Hitachi Zosen Inova is due to begin construction of a new 34 megawatt energy recovery facility in South Gloucestershire, as part of a public private partnership (PPP) contract between the West London Waste Authority and a consortium led by SITA UK.

Hitachi Zosen Inova is expected to begin construction of the Severnside Energy Recovery Centre (SERC) at Severnside, South Gloucestershire next month. This will be the company's seventh turnkey plant contract in the UK over the last seven years. A consortium of SITA UK, Scottish Widows Investment Partners (SWIP) and Itochu Capital signed the corresponding 25-year contract with the West London Waste Authority on 27 November 2013 to convert up to 300,000 tonnes of municipal waste material to energy each year.

Electricity for 50,000 homes

Under the contract, waste material that the 1.6 million people living in the London boroughs of Brent, Ealing, Harrow, Hillingdon, Hounslow and Richmond-upon-Thames have not been able to separate for recycling will be transported by rail to the Severnside Energy Recovery Centre. The facility will produce 34 megawatts of electricity, which is enough to power the equivalent of 50,000 homes and could also provide heat to local businesses – further increasing its environmental performance. This solution will enable the West London Waste Authority to divert 96 per cent of its waste from landfill and is expected to save two million tonnes of CO₂ equivalents over the duration of the contract.

SERC, which will also include an on-site facility for the recycling of bottom ash, is expected to be completed and under the operation of SITA UK by mid-2016. Chief Executive Officer of SITA UK, David Palmer-Jones said: "We chose Hitachi Zosen Inova to deliver the energy from waste technology at the Severnside Energy Recovery Centre because of their long-standing track record and proven technology, but also because of their ability to innovate to ensure that the facility is at the forefront of efficiency and environmental performance."

Using the latest Hitachi Zosen Inova technologies

The plant will feature cutting-edge thermal waste treatment technologies in DyNOR and LEAP, the new Low Excess Air Process, two of the latest in a series of further developments from Hitachi Zosen Inova. As the answer to tightened emission requirements, the DyNOR system is able to reduce the nitrogen dioxide emissions to 150 mg/Nm³ at minimal ammonia slip and well below current EU limits. With LEAP the high efficiency of combustion is further increased while the CO and NO_x emissions are still reduced. Chief Executive Officer of Hitachi Zosen Inova Franz-Josef Mengede said: "We are glad that our steady efforts to advance our technologies contribute to our customer's success and the increased sustainability of energy from waste."

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 engineering, procurement and construction (EPC) contractor delivering complete turnkey plants and system solutions for energy recovery from waste. HZI's solutions are based on efficient and environmentally sound 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 some 500 reference projects delivered since 1933. To find out more, please visit www.hz-inova.com

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