

ABB Helps European Cities Convert Waste to Energy and Cut Emissions



ABB has won orders from Hitachi Zosen Inova, the Swiss-based waste-to-energy engineer-

ing, procurement and construction contractor, to supply a complete electrical and control solution for the new Severnside Energy Recovery Centre in England and a waste-to-energy plant in Poznan, Poland. The waste-to-energy industry, where electricity and heat are derived from household and commercial waste, is a growing market. On the one hand, rising populations and urbanization are leading to more waste, while on the other landfill options are diminishing. Between 1990 and 2010, worldwide municipal solid waste volume increased from 700 million tons to 1.3 billion tons and is set to reach 2.2 billion tons by 2025. Using the waste-to-energy process, one ton of municipal solid waste could supply up to 800 kilowatt hours (kWh) of electricity.

ESOS Energy Audits - Do You Have Qualified Auditors?



The Energy Savings Opportunity Scheme (ESOS) Regulations 2014 came into force on 17 July 2014 and

are a mandatory energy assessment and energy saving identification scheme for large undertakings (and their corporate groups) and applies throughout the UK.

ESOS Energy Audits have the potential to increase businesses profitability and competitiveness by identifying cost-effective savings which, if implemented, will improve energy efficiency. The scheme is estimated to lead to £1.6bn net benefits to the UK, with the majority of these being directly felt by businesses as a result of energy savings.

ESOS is the UK Government's approach to transposition of Article 8(4) of the EU Energy Efficiency Directive, which requires all large (non-SME) enterprises to undertake energy audits by 5 December 2015 and every 4 years thereafter.

A World First by Exergy: Turkish Akça Geothermal Plant



Exergy, Italian technology leader in the design, engineering and manufacturing of Organic Rankine Cycle systems

with the pioneering Radial Outflow Turbine technology, are proud to announce the operational launch of another geothermal plant in Turkey for the client AKÇA Enerji. With the successful completion of this ORC binary installation, the AKÇA plant will be the world's first equipped with 2-pressure-level cycle on a single-disk turbine. This unique technological achievement sees Exergy at the forefront of innovation consistent with its commitment to improve technical performance and deliver superior service to customers. The Turkish Ministry of Energy and Natural Resources confirmed in June that the plant meets the required performance targets. AKÇA Enerji will therefore benefit from increased revenues coming from the government feed-in-tariff improving the payback of the geothermal plant.

Siemens to Build Wind Power Plant in Cuxhaven, Germany



Siemens is investing around €200 million to build its first production facility for offshore wind turbine components in

Germany. The factory is to manufacture nacelles for the company's next-generation wind turbines. These wind turbines are designed for use at sea and have a capacity of seven megawatts. The new factory in Cuxhaven will be one of Siemens' most significant new production facilities in Germany in recent years and create up to 1,000 new jobs. The groundbreaking is scheduled to take place later this year, with production of the first components to begin in mid-2017. "The decision to build a new production facility in Cuxhaven represents a clear commitment to Germany as a business location," said Joe Kaeser, President and CEO of Siemens AG. "The new Siemens factory will employ up to 1,000 skilled employees. The expansion of offshore wind power capacity in Germany and Europe represents an enormous opportunity for northern Germany and Siemens."

