

Peterborough Renewable Energy Ltd (PREL) is delighted to announce that a Technology Licence Agreement has been signed with Tetronics Ltd, the world leaders in DC plasma arc systems. The Agreement gives PREL permission to use Tetronics' patented technology to deal with Air Pollution Control (APC) residues created onsite at EnergyPark Peterborough.

The ground-breaking EnergyPark Peterborough project, which was granted consent by the Department for Energy and Climate Change (DECC) in November 2009, will be the first sustainable biomass-from-waste powerstation of its kind in Europe. Drawing upon a mix of best available technologies, PREL will achieve maximum diversion of waste from landfill, creating renewable energy and recycled products at the same time. Tetronics' plasma-enhanced waste recovery systems will play a vital role in achieving that sustainable cycle and ensuring that the greatest value is taken from the waste input.

Following the gasification of a clean biomass fuel, the hazardous Air Pollution Control (APC) residues, which would traditionally be sent to landfill, will instead be collected and safely transferred to the co-located plasma unit. Tetronics' plasma technology will then separate and destroy all the hazardous components in the residue, generating a totally safe inert product, similar to granite. This non-hazardous product called Plasmarok® can then be re-used as a glass or building aggregate in a range of applications, achieving close to zero residues remaining.

Commenting on the deal, CEO of Tetronics, Stephen Davies, added:

“We are delighted to sign the Technology Licence Agreement with PREL, a pioneering company leading the way in waste management in this country.

“Tetronics has decades of experience in the UK, Europe and Asia, processing problematic wastes, such as APC residues, in a stable and cost-effective way.

“We are very confident that this development will be a trailblazer for others to follow.”

Speaking about the Agreement, Chris Williams, Managing Director for PREL said:

“Tetronics’ plasma-enhanced waste treatment technology has been the final piece to the puzzle of ensuring that the absolute minimum of residues from the treatment process needs to be processed offsite.

“Tetronics’ contribution has been vital in guaranteeing that a sustainable, practically zero waste facility is achieved. Through this partnership, we hope to see many more developments like EnergyPark Peterborough in years to come.”