



## Waste2Tricity International (Thailand) acquires exclusive Thai deployment rights for AFC Energy PLC fuel cells in £1.2 million deal

30 October 2013: Waste2Tricity International (Thailand) Ltd (W2TI(T)) , the cutting edge structured solutions provider for the waste to energy sector, today announced it has acquired the exclusive rights for AFC Energy PLC (AIM: AFC) hydrogen fuel cells for deployment in the Thailand energy-from-waste sector. W2T already owns the deployment rights for the UK and has secured the right of first refusal for additional territories including Europe and North America.

W2TI(T) has entered into the licence agreement with AFC Energy, making the company the exclusive Thai agent for AFC's revolutionary fuel cells for gasification of waste applications. Deployment of the commercial fuel cell will enable W2TI(T) to establish this viral technology in the Thai waste to energy market. Combined with Alter NRG's Westinghouse Plasma Gasification Technology as the front end conversion, the AFC Energy fuel cells create a commercial model that will substantially outperform any other proposal. This model will allow W2T to revolutionise the Thai waste market, offering payment for waste feedstock instead of requiring suppliers to pay a gate fee.

The programme will therefore create a paradigm shift in the waste-to-energy market in Thailand and will enable W2T to establish market dominance with projects similar to the waste to the energy plant currently being built by Air Products in Tees Valley (<http://www.airproducts.co.uk/teesvalley/>) which is intended to be operational in 2014. W2T was instrumental in bringing together the parties for this project and identified both the Teesside site and the waste supplier for Air Products.

Piangkwan Thummukgool, Director of Waste2Tricity Ltd and Project Director of the Thailand programme said, "This is the beginning of our thrust into the burgeoning waste-to-energy market in Thailand. We have engaged with numerous waste suppliers and they are attracted by the commercial opportunity that our technologies provide. Our presence in Thailand is established and we will be accelerating our programme with the leading technologies for waste conversion and looking to create a hydrogen opportunity for the AFC Energy fuel cells. This programme will put Thailand at the forefront of both the Hydrogen Economy and of

creating low carbon electricity opportunities, using indigenous feedstock to replace imported energy. Waste2tricity is projecting the potential deployment of over 230 MW's of fuel cells in the three projects currently in negotiation, with more in the pipeline.”

Ian Williamson, CEO of AFC Energy PLC said, “We welcome this ground-breaking relationship with Waste2Tricity International (Thailand) and the opportunity it affords for the early roll out of our fuel cell technology in to the waste-to-energy market. This licence is the second with Waste2tricity, who have already secured the exclusive rights in the UK for waste to energy applications of the fuel cell involving gasification of wastes.”

Established in 2008, Waste2Tricity works with clients and partners to develop, fund and support EfW deployment projects that integrate proven plasma gasification and internal combustion engines/gas turbines (ICEs/GTs). Shareholders at the global waste solutions firm include Roman Abramovich's Ervington Investments, who acquired a 10% share capital stake in November last year. Waste2tricity was actively involved with the \$500 million Air Products Tees Valley Renewable Energy Facility (TV1), a 350,000 ton 50MW program utilising Alter NRG Westinghouse waste to energy project currently being built in Tees Valley and subsequently the announcement of TV2, a duplicate project adjacent to TV1.

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## **Notes to Editors**

### **Waste2Tricity**

Waste2tricity is a structured solutions provider for the waste to energy sector. Its shareholders include Ervington Investments (UBO Roman Abramovich), Age of Reason Foundation and Eturab, all of whom are substantial shareholders in AFC Energy and/or Alter NRG Westinghouse and represent approx. 30% of each company. For more information, visit Waste2Tricity at [www.waste2tricity.com](http://www.waste2tricity.com)

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### **AFC Energy**

Founded in 2006, AFC Energy plc is re-engineering proven alkaline fuel cell technology to reduce the cost of electricity. Alkaline fuel cells have been used on US and Russian manned space missions for decades to provide electrical power and drinking water. By using modern materials, design tools and manufacturing processes at scale, AFC Energy is developing fuel

cells that will compete with conventional technologies such as turbines for electrical power generation. Today, AFC Energy is pursuing opportunities in several sectors where hydrogen is readily available including the chlorine, clean coal and waste-to-energy industries as well as applications for distributed/back-up power. For further information, please visit our website: [www.afcenergy.com](http://www.afcenergy.com).

### **Alter NRG**

Alter NRG provides alternative energy solutions to meet the growing demand for environmentally responsible and economically viable energy in world markets. Alter NRG's primary objective is to further commercialize the Westinghouse Plasma Gasification Technology, through its wholly owned subsidiary, to provide renewable and clean energy solutions from a wide variety of feedstocks, and provide a wide variety of energy outputs – including liquid fuels like ethanol and diesel, electrical power, and syngas: [www.alternrg.com](http://www.alternrg.com)