



Toyota is to consider worldwide deployment of PowerHouse Energy's DMG® System via Waste2Tricity Ltd

As PHE's Project Development Partner Waste2Tricity Ltd (W2T) is currently negotiating a pipeline of projects in the UK for the commercial deployment of the unrecyclable plastic to hydrogen Distributed Modular Gasification DMG® technology. At the same time W2T has had a representative permanently based in Tokyo for nearly two years. This overseas investment was made with the intention of establishing contacts within the fast developing Japanese hydrogen economy and waste disposal industry. The Japanese government has identified hydrogen as an important component in its energy strategy as they seek both low carbon and non-nuclear sources of clean energy. Distributed Modular Gasification allows highly profitable local production of hydrogen without the distribution penalties associated with centralised production and this concept has been met with keen interest by major players in the Japanese market. As a result, commercial discussions are being taken to the next level.

Howard White, W2T's Executive Deputy Chairman says, "We have been delighted by the level of interest shown in the PowerHouse DMG® concept in the region and I will shortly be going to Japan for further discussions with Toyota Tsusho Corporation about how a partnership could be established to exploit this mould breaking technology, initially within Japan, with PHE supplying technical expertise and W2T leading the commercial deployment."

Takashi Torigoe, General Manager Chemical Business Development Department Toyota Tsusho Corporation, comments, "We have been reviewing Power House Energy's DMG technology over the last few months and take great interest in it. We are excited and looking forward to a potential partnership in Japan and possibly worldwide."

Japan represents an ideal first non UK deployment opportunity with an established and growing demand for hydrogen as vehicle fuel and high gate fees for the unrecyclable plastic feedstock due to Japan's constrained waste disposal options.

About Waste2tricity Ltd

Established in 2008, Waste2Tricity is a structured solutions provider to the energy-from-waste (EfW) sector, an industry supplying increasing amounts of electricity using feedstock diverted from landfill. Waste2Tricity works with clients and partners to develop, fund and support EfW deployment projects that use proven technology, are profitable and progressive. In the case of PHE these projects will use high temperature gasification and internal combustion engines to efficiently convert waste plastic to energy and in the future can produce hydrogen to support the growth of the hydrogen economy.

Today's Technology – Future Proofed

Waste2Tricity Ltd | Finsgate, 5-7 Cranwood Street, London EC1V9EE | Registered in England & Wales No 6708968

info@waste2tricity.com | www.waste2tricity.com



About PowerHouse Energy Group plc

About PowerHouse Energy Group Plc

PowerHouse Energy has developed Distributed Modular Gasification, a proprietary process technology which can utilise waste plastic, end-of-life tyres and other waste streams. It can efficiently and economically convert them into EcoSynthesis gas from which valuable products such as chemical precursors, hydrogen, electricity and other industrial products may be derived. This PHE technology is one of the world's first proven modular hydrogen from from-waste (HfW) processes.

The DMG® process can generate in excess of one tonne of road-fuel quality hydrogen and more than 28 mega-watts per hour of exportable electricity per day. The PHE process produces low levels of safe residues and requires a small operating footprint, making it suitable for deployment at enterprise and community level.

PowerHouse Energy is quoted on the London Stock Exchange's AIM Market under the ticker PHE and is incorporated in the United Kingdom. For more information visit www.powerhouseenergy.net.

Today's Technology – Future Proofed

Waste2Tricity Ltd | Finsgate, 5-7 Cranwood Street, London EC1V9EE | Registered in England & Wales No 6708968

info@waste2tricity.com | www.waste2tricity.com