



11th June 2019

Press release

WASTE2TRICITY BACKS BBC'S *WAR ON PLASTIC* DOCUMENTARY



Waste2Tricity (W2T) is putting its support behind the *War on Plastic* documentary on BBC One, hosted by Hugh Fearnley-Whittingstall and Anita Rani.

The show, which aired yesterday, revealed that UK households are harbouring over 20 billion single-use plastic items. Hugh Fearnley-Whittingstall and Anita Rani were shown working with 22 households in East Bristol to determine how many single-use plastic items they have around the house. The staggering figure averaged at nearly 17,000 plastic items per home.

W2T supports the prime-time documentary which sheds light on the UK and world's problem with unrecyclable plastic. The programme also addresses the problems with the UK shipping its unrecyclable plastic to destinations such as Malaysia where the plastic often ends up in illegal dumps.

W2T's vision is to take the world's problem with unrecyclable plastic and turn it into a solution; aiming to 'turn off the plastic tap into the ocean' to ultimately clean it up. The company will soon be transforming unrecyclable plastic into low cost hydrogen road fuel and electricity in the UK.



View the Waste2tricity video explaining how they will soon be tackling unrecyclable plastic here

W2T was established in 2008 and is a project developer and operator in the energy-from-plastic sector. In treating plastic as a fuel they aim to limit contamination of the environment whilst creating a clean energy in the form of low cost and low carbon dioxide hydrogen as well as generating power for export by private wire or to the grid.

W2T has the exclusive right to use innovative technology that turns waste plastic into hydrogen, which can be used for transport fuel. The process takes all mixed waste plastic in an untreated unsorted contaminated form and requires no sorting or washing. This ground breaking technology has the potential to not only create a green fuel but to clean up plastic from the world's oceans. This technology has also exclusively demonstrated small scale conversion of plastic to hydrogen and electricity with zero plastic remaining.

W2T are the exclusive developer in U.K. and South East Asia including Japan and South Korea for the Powerhouse PLC DMG (distributes modular generation) for waste plastic to hydrogen and electricity. W2T aim to monetise plastic via this highly efficient conversion system and enabling the deployed projects to buy in unrecyclable plastic waste in countries, such as Indonesia for \$50 a ton. Therefore, dissuading the disposal of waste plastic in rivers and oceans.

The technology has been developed by Powerhouse Energy PLC (AIM:PHE) DMG® over several years at the University of Chester Energy Centre and W2T is the exclusive developer in the U.K. The company's first-of-a-kind plastics to hydrogen plant in the UK is proposed at Peel Environmental's - part of Peel L&P - 54-acre Protos site near Ellesmere Port in Cheshire.

Tim Yeo, Chairman of W2T comments: "It's fantastic to see this documentary air on prime-time TV on the BBC where we hope the nation's behaviour with single-use plastic will change for the better. Plastic is a fantastic and versatile material which needs recycling and re-using in the right way. We believe that at W2T we have the answer- turning unrecyclable plastic into low cost and low carbon hydrogen road fuel and electricity."

W2T is currently in extensive discussions with significant financial institutions and high net worth private individuals to fund the First of a Kind plant at Protos which will be invested in the Special Purpose Vehicle Waste2Tricity (Protos) Ltd and this process is proceeding satisfactorily. W2T is raising £1 million pre-IPO with the aim of being a public company towards the end of 2019/beginning of 2020. The next stage of development will focus on switching the technology to allow it to produce hydrogen for use in a distributed hydrogen network as well as syngas production for generating electricity.

The Engineering, Procurement and Construction (EPC) is continuing negotiations and a planning application for the development of the plant at Ellesmere Port is expected to be submitted in June 2019. Subject to planning approval the plant hopes to be operational early next year.

-ENDS-

The Company will keep the market apprised of any future developments relating to the agreement between PowerHouse and Waste2Tricity.

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NOTES TO EDITORS:

About Waste2Tricity

Established in 2008, Waste2Tricity (W2T) has a vision to take our problem with plastic and create a solution. W2T is a project developer and operator in the energy-from-waste sector. In treating plastic as a fuel they believe that they can help limit contamination of our environment whilst creating a clean energy in the form of hydrogen.

Partnering with PowerHouse Energy (AIM PHE), W2T are the exclusive developer in U.K. and South East Asia including Japan and South Korea for the Powerhouse PLC DMG (distributes modular generation) for Waste plastic to hydrogen and electricity. This technology is able to convert unrecyclable plastic into high-grade hydrogen for use as a transport fuel whilst also generating power for export by private wire or to the grid.

Waste2Tricity are currently working with EY London to raise funds. View information about Waste2Tricity's £1,000,000 fund raise here : www.waste2tricity.com

About Powerhouse Energy

PowerHouse Energy has developed a proprietary process technology - DMG® - which can utilise waste plastic, end-of-life-tyres, and other waste streams to efficiently and economically convert them into syngas from which valuable products such as chemical precursors, hydrogen, electricity and other industrial products may be derived. The PowerHouse technology is one of the world's first proven, modular, hydrogen from waste (HfW) process.

The PowerHouse DMG® process can generate in excess of 1 tonne of road-fuel quality H₂, and more than 58MW/h of exportable electricity per day. The PowerHouse process produces low levels of safe residues and requires a small operating footprint, making it suitable for deployment at enterprise and community level.

PowerHouse is quoted on the London Stock Exchange's AIM Market under the ticker: PHE and is incorporated in the United Kingdom.

www.powerhouseenergy.net

