



Press release
June 2019

W2T CHAIRMAN DISCUSSES THE FUTURE OF HYDROGEN ON RADIO 4

With the unveiling of a hydrogen fuelled train last week in the UK, hydrogen took centre stage in the news with Waste2Tricity's Chairman, Tim Yeo, appearing on Radio 4.

Tim was in discussion with Dr Richard Lowes of the University of Exeter about whether hydrogen can truly be a fuel of the future. Mediating the debate was PM presenter, Evan Davis, who questioned Tim on how hydrogen can help the UK meet its clean energy targets.

This comes in the same month when the International Energy Agency announced hydrogen as the 'fuel for the future' and China [announced](#) it wants to create a 'hydrogen society'.

During the discussion, Tim called on the UK Government to follow China's lead if they are to reach their 2050 emissions goal and help support innovation in the sector.

Chairman of Waste2Tricity, Tim Yeo, said:

"The exciting stuff is that hydrogen looks like a fuel whose time has come. The IEA was commissioned by the Japanese government... to produce a report on the future of hydrogen, our own climate change committee in the UK was calling for a UK plan last Christmas... and in China perhaps most surprisingly the world leader in electric vehicles, when the Premier visited the Toyota factory in Japan he came back so keen he thought actually hydrogen vehicles might overtake electric vehicles in China".

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. This process has a very low carbon footprint, meaning whilst cleaning up the world of plastic, we can produce clean energy - solving two of the world's problems.

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

<http://waste2tricity.com/>

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 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-hectares Protos site near Ellesmere Port in Cheshire.

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