



Waste2tricity & Powerhouse Energy PLC sign a binding agreement with Bucharest company Tresoil Biofuels SRL for a collaboration to market PHE DMG systems including up to 35 hydrogen buses in EU 35 million transactions

Background

Romania and Bulgaria are actively seeking to replace aging fleets of highly polluting public transport buses, with the region encouraged by the EU to deploy low carbon alternatives. Tresoil is a well established company in Bucharest and has been involved in writing grants of Euro120 million for alternative energy projects and is considered a leading specialist in this area.

Waste2tricity, with its established relationship with Powerhouse Energy and hydrogen bus company Wrightbus is delighted to have negotiated a 3 way binding agreement to seek deployments of hydrogen buses fuelled by PowerHouse DMGs. Potential has been identified not only in Bucharest (which recently ordered 400 new diesel buses from Turkey as part of the program to replace its 1400 aging bus fleet) and Sofia, but also in many other cities in these 2 countries as they seek to comply with EU directives to reduce pollutants and particulates.

This agreement is in line with Waste2tricity's remit, under its agreement with Powerhouse Energy, to identify commercially viable opportunities for sales of DMG units – with various EU funding initiatives supporting decarbonising transport include EU200,000 grants per hydrogen bus and potential grants for the capital required to deploy the PHE DMG system. The virtuous circle of destroying mixed plastics and producing carbon neutral hydrogen and electricity falls into many categories that are eligible for both grants and soft loans in this region and will support the desire and willingness of the local municipalities to improve the environment for their populations.

Together with Wrightbus, PHE and Tresoil we can offer a competing economic solution with an attractive pay back inside 3 years given the grants on the purchase of the busses, and total cost of ownership over 10 years will be greatly weighted in the favour of the DMG/FCbus programme before pollution reduction benefits are accounted for .

Tresoil will be responsible for applying for grants, integrating with end users and enabling the establishment of SPV's which will initially be 51% owned by the PHE/W2T relationship and 49% by Tresoil.

Additional information about pollution issues and public transport in Eastern Europe can be found:

http://www.fch.europa.eu/sites/default/files/150909_FINAL_Bus_Study_Report_OUT_0.PDF

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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; projects that currently use high temperature gasification and either steam cycle or internal combustion engines/gas turbines (ICEs/GTs) to efficiently convert waste to energy and in the future can produce hydrogen to support the growth of the hydrogen economy.

About PowerHouse Energy Group plc

PowerHouse Energy ('PHE') has developed proprietary process technology called DMG® which takes plastic and rubber waste streams and converts them into cost efficient energy in the form of electricity and ultra clean hydrogen gas fuel for use in cars and commercial vehicles (FCEV: Fuel Cell Electric Vehicles) and other industrial uses. The PHE technology is the world's first proven hydrogen from waste (HfW) process.

The PHE process converts 25 tonne of plastic or rubber waste into 1 tonne H₂ per day and 28 MWh per day of electricity.

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.

The Company is listed on the AIM market of the London Stock Exchange (ticker: PHE) and is incorporated in the United Kingdom.

For more information see www.powerhouseenergy.net

About Tresoil Biofuels SRL

Tresoil Biofuels SRL' background in renewable energy has always been on finding new innovation in sustainable green practices. Tresoil managing director with over 35 years business experience in taking companies from concept stage and growing them into

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profitable organisations in the UK and Europe, saw the renewable transport fuel from waste in Romania as the next key market for expansion and for him to deploy his entrepreneurial skills. He came to Romania 11 years ago with Eco Europe SRL and Eco2uk.com companies whose missions were carbon-neutral transport fuel technologies, with high value by-products for sale in Europe.

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