

19 June 2024

Powerhouse Energy Group Plc
("PHE" or the "Company")

Delivery of Kiln to Technical Centre

Powerhouse Energy Group Plc (AIM: PHE), a company pioneering integrated technology that converts non-recyclable waste into low carbon energy, in conjunction with its revenue generating engineering consulting division (Engsolve), is pleased to announce that the kiln (TCC - Thermal Conversion Chamber) has now been delivered and is in-situ at the Company's Bridgend Technical centre.

The kiln has been supplied by AGICO Group of China and was delivered on schedule and on budget. The kiln is the centre piece of the Feedstock Testing Unit (FTU) and now allows the work to begin on the installation of the ancillary equipment. The installation will be undertaken by Engsolve with commissioning and testing being undertaken by the PHE R&D team.

The FTU has been designed with the capacity to transform 2.5 tonnes per day of waste into Syngas and is a reduced size version of the proposed commercial process, with the planned capability to produce around 250kW of electrical power dependent upon feedstock, or approximately 200kg a day of hydrogen when the required separation process is installed.

The FTU will initially be utilised for R&D and investor / customer demonstrations, after which the Company will evaluate commercial opportunities for the process.

The target for the completion of the installation and commissioning work remains within Q4 2024.



FTU Kiln in PHE Bridgend Technical Centre

Paul Emmitt, CEO of PHE, commented:

"This is a huge milestone for Powerhouse and draws a line under our past vendor issues. The progress that the Powerhouse Team as a whole (PHE and Engsolve) have made in the last six months is exceptional. The progress on the technology centre and the FTU means that we can not only return to our goal of progressing our R&D activities, but this will provide us with a showcase for our patented technology allowing us to drive forward the rollout of our process."

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About Powerhouse Energy Group plc

Powerhouse Energy has developed a process technology which can utilise waste plastic, end-of-life-tyres, and other waste streams to convert them efficiently and economically into syngas from which valuable products such as chemical precursors, hydrogen, electricity, heat and other industrial products may be derived.

Powerhouse Energy's 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 Group also incorporates Engsolve Ltd, which is a revenue generating business who offer Engineering Services across all sectors with speciality services in the development of new technologies and clean energy.

Powerhouse Energy is quoted on the London Stock Exchange's AIM Market under the ticker: PHE and is incorporated in England and Wales.

For more information see www.phegroup.com

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