



PRESS RELEASE

ITM Power launch showcase “zero-carbon” home energy pack on 7 July 2009

ITM Power has launched its prototype “zero carbon” home energy pack that stores electricity generated from solar panels (whenever the sun shines) and from wind turbines (at whatever time the wind blows) as a clean fuel (Hydrogen). The home produced clean fuel can then be used whenever it is needed; to cook with, for refrigeration, and for hot water and electricity (combined heat and power) to power today’s household appliances without compromise and with zero carbon emissions.

Importantly ITM’s system will allow housing developers to prepare for regulatory requirements as outlined in the Government’s July 2007, *Building a Greener Future – Policy Statement*, announcing that all new homes will be zero carbon from 2016.

Putting the technology to test the technology in a real house is an important next



step. This is recognized by ITM who also announced an agreement to participate in the building of an innovative demonstration housing development in South Shields.

ITM will fit two of the properties with hydrogen powered kitchens, while hydrogen is used as an energy store for contributing towards both household electricity and heating requirements. The housing development is being built by a partnership between Groundwork South Tyneside & Newcastle with ONE Northeast, Four Housing Group, and South Tyneside Council.

If successful, Groundwork envisages rollout of the ITM energy package throughout projects in the North East region.



Dr Graham Cooley, ITM's newly appointed CEO, said, "ITM's technology stores the power produced by renewable power sources, such as wind and solar, in the form of hydrogen which can be used to generate electricity when it is needed or used as a clean fuel. The technology is ideally suited to housing schemes and commercial buildings which also have a requirement for hot water."

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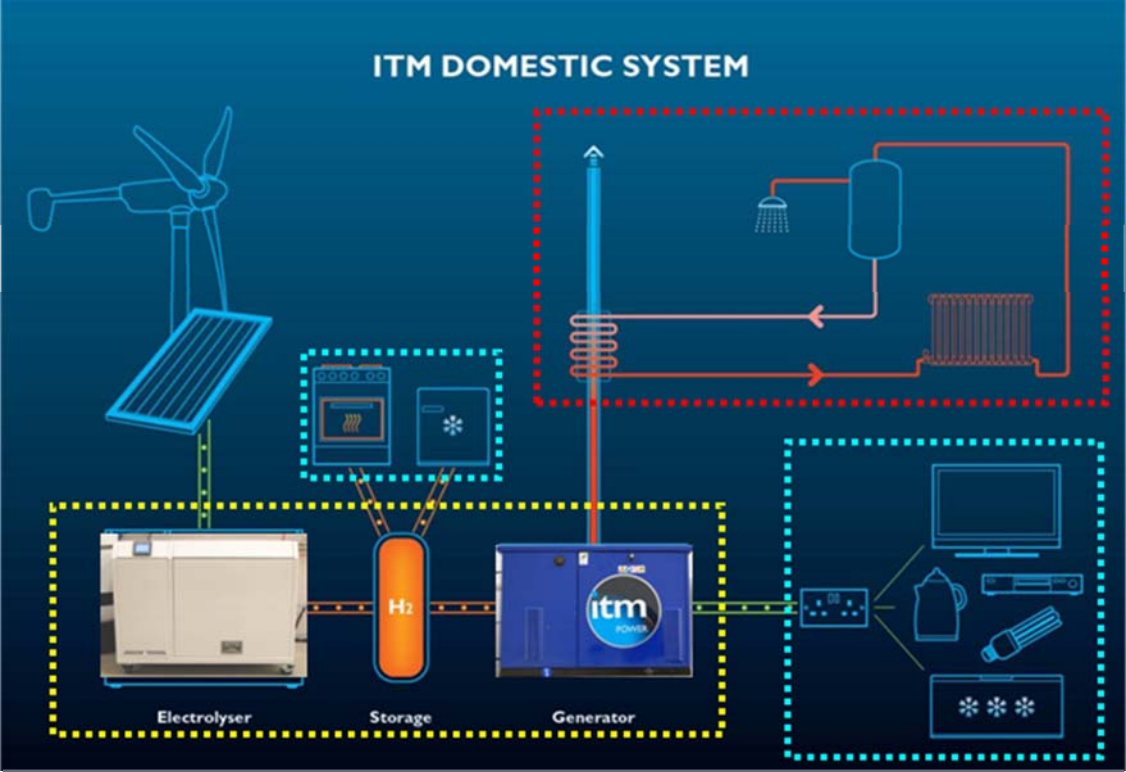
Notes to Editors: For further information please contact Charles Purkess
ITM Power PR and Marketing, on 01799 542 222 or e-mail press@itm-power.com

Visit www.itm-power.com

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Shaun Stancliffe ITM's Prototype Production Manager demonstrates to the Press, the reality of using hydrogen to cook with, today.



CHP

Energy Package

Applications Pack