

15th November 2011



ITM Power plc
Ecolisland Speech; Terrace Room, House of Commons
Given by Dr Graham Cooley at 12:30, 15th November 2011

Ladies and Gentlemen,

Decarbonizing energy, in the form of power, heat and fuel, is a very significant challenge. That challenge represents a huge and global opportunity for the UK.

The world's energy supply chain is being completely reassessed. The overhaul is well underway and is resulting in the largest technology spend in history. What is required now is some joined up thinking in energy. A piecemeal approach will lead to a badly conceived system and infrastructure.

The key challenge is balancing supply and demand. We used to control the power system on the supply side by turning on and off power stations. Increasingly it is now the wind and the sun that decides when power is generated and so we must shift control to the demand side using smart grid technology and energy storage.

The key missing link has been a cost effective energy storage system. Hydrogen is a simple and available solution. The solution is: renewable power, a smart grid management system and an optimized energy storage system based on the production of hydrogen and its direct use as a transport fuel

What could be a more perfect vision; using renewable power to make our own fuel. Energy self-sufficiency no less. So how can we make it happen?

The best way of achieving an optimized system is by building and testing a small one first. A prototype or blueprint; a laboratory perhaps. But most importantly a group of likeminded advocates with a vision; that's the Ecolisland.

Ecolisland is a world-class project that we are delighted to be involved in. Thank you very much for coming today.

About ITM Power:

ITM Power designs and manufactures Hydrogen Energy Systems for Energy Storage and Clean Fuel production. ITM Power has grown from its original platform of novel polymeric electrolytes (for water electrolysis and hydrogen fuel cells) to that of a technology provider. ITM Power now has both a strong base of intellectual property and engineering expertise for providing complete hydrogen solutions and CE marked products for sale. www.itm-power.com

About Ecolisland:

Ecolisland is a smart grid, hydrogen energy storage and clean fuel system based on the Isle of Wight. The partnership consists of Ecolisland CIC, IBM, Toshiba, Scottish and Southern Energy, Southern Water and ITM Power; and constitutes a significant development in understanding the link between the storage of renewable power and its deployment as a clean transport fuel.

<http://www.itm-power.com/page/62/Ecolisland.html>