

innogy UK leads the way in green hydrogen research at Swansea University

- innogy UK has funded a Masters by Research at Swansea University's ESRI department
- Feasibility study to be carried out on the economic viability of hydrogen from onshore wind
- innovative technology is needed to get Wales to net zero carbon by 2050

South Wales, October 2019

Innogy Renewable UK Ltd. is funding innovative research at Swansea University and investing in a Masters by Research at the Department for Engineering Science and Research Institute. This will specifically look at whether it is economically viable to generate green hydrogen from onshore wind. This will be the first of its kind for Swansea University.

Charles Dunhill from Swansea University said "We are thrilled to be collaborating with innogy on this Masters by Research. Hydrogen is set to play a major part in Wales' transition to a zero-carbon future and Swansea is well placed to benefit. It's in our interest to really lead the way."

Jeremy Smith, Head of Development Strategy for Onshore Wind at innogy UK said: "We are excited to see this Masters commence. Green hydrogen is a clean energy carrier and can play a key role in Wales' transition to a low carbon economy. It can offer the option for long duration energy storage which in turn can help with any intermittencies renewable energy projects can create. Green hydrogen could really help balance grid whilst at the same time help decarbonise our heat and transport systems."

innogy is already the largest renewable energy operator in Wales and generates one third of all of the country's renewable electricity. Put together, the onshore, offshore and hydro projects innogy operates produce enough electricity to meet the equivalent needs of more than 550,000 homes¹. That's almost half the households in Wales or enough energy to power the households in both Cardiff and Swansea twice over².

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Footnote

1. Equivalent homes supplied is based on an annual electricity consumption per home of 4500 kWh. This figure is supported by recent domestic electricity consumption data available from The Digest of UK Energy Statistics and household figures from the UK Statistics Authority.
2. StatsWales, Households by Local Authority and Year