

PRESS RELEASE

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Vattenfall's largest land-based wind farm supplies electricity

Vattenfall's largest land-based wind farm, Pen y Cymoedd in South Wales, UK, is now supplying electricity at full capacity. Pen Y Cymoedd has a total of 76 wind power turbines and will generate 230 GWh annually, which corresponds to the household electricity consumption of 188,000* British homes.

Pen Y Cymoedd, whose construction began in autumn 2015, is Vattenfall's largest wind farm on land, and an important step in the ambition to generate even more renewable electricity and to power climate smarter living. In 2016 Vattenfall decided on a plan to invest a total of EUR 5 billion in wind power generation over the next five years.

A storage plant for generated electricity will also be built at Pen y Cymoedd (on condition that an investment decision is made by Vattenfall's Board of Directors). In March, Vattenfall and the BMW Group signed an agreement for the supply of up to 1,000 lithium-ion batteries this year. The batteries, which have a capacity of 33 kilowatt hours (kWh) each, are equipped with a BMW-owned battery control system and are also used by the car manufacturer in their BMW i3.

"Energy storage and grid stability are the most important issues in the new energy world," according to Gunnar Groebler, Head of Vattenfall Wind.

"We want to use the plants where we generate renewable energy from renewable energy sources to drive the transition to a new energy system, and to facilitate the integration of renewable energy sources in energy systems with storage capabilities. The decoupling of generation from consumption and the coupling of different consumption sectors is the focus of our work."

*Based on an average annual UK household consumption of 4,000 kWh

Watch video from [Pen y Cymoedd](#)

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