

Low Carbon Off-grid Communities January 2018 - Newsletter

LOGiC to develop a standardised model for decentralised hybrid energy systems in North-West Europe



Dear Readers,

We are happy to announce that the Low Carbon Off-grid Communities (LOGiC) project is well under way after months of hard work from [all nine partners](#) involved.

LOGiC aims to develop a standardised model and blueprint for decentralised hybrid renewable energy systems in North-West Europe. The project is led by North-Holland-North ([NHN](#)) and has received 60% funding from [Interreg North-West Europe](#).

In the initial phase (2017-2020), LOGiC will develop three pilot projects in 'energy remote' areas of North-West Europe: Texel Island (the Netherlands), Orkney Islands (United Kingdom) and Meckenbach (Germany). The project aims to reach another ten 'energy remote' locations at the end of the project cycle.

The bottom-up model of LOGiC will enable cleaner and more reliable electricity for local communities at lower costs, while empowering these constituencies to influence their local energy mix. The project will involve local communities, policy makers and businesses via a 'Community of Practice' to be launched later in the project. If you want to be part of this community, feel free to [contact us](#). We are also happy to update you regularly on the progress of LOGiC via this newsletter as well as the website of the project.

Daniel Banis

Project Manager - LOGiC
Noord-Holland-Noord (NHN)

MORE INFORMATION

Launched 29 Sep 2017: Texel Island (the Netherlands) - Hybrid PV energy project for a water treatment plant



The purpose of the Texel LOGiC pilot project is to match supply and demand in balance for a decentralised renewable energy hybrid system (DHES) based on PV.

The project focuses on a waste water treatment plant Evertsekoog, from which Hoogheemraadschap Hollands Noorderkwartier ([HHNK](#)) will generate its own energy consumption (1.6 MW) and distribute generated energy on the existing network.

Three low-carbon technologies are combined: energy storage by

storage in water level (kW eq. to be determined in the project), small scale battery storage for peak shaving (budgeted at max 100kW) and PV energy.

MORE INFORMATION

In Preparation: Orkney Islands (United Kingdom) - Hybrid tidal energy project



The purpose of the Orkney LOGiC pilot project is to integrate battery storage in a decentralised renewable tidal energy project. By generalising and exploring project aspects relevant to battery storage, the project plan will be a blueprint for future projects combining tidal energy and battery storage. [Tocado International B.V.](#), a Dutch founded company and global leader in tidal energy solutions, is leading the project.

MORE INFORMATION

In Preparation: Meckenbach (Germany) - Hybrid solar-wind community built energy supply



The village of Meckenbach is part of the Joint Municipality of Birkenfeld where solar and wind energy are suitable energy sources for electricity generation with decentralised hybrid energy solutions. Batteries might be necessary to compensate the difference between production and demand. This need is researched by simulations and verified by the implementations by project partner [IfaS](#). The details of the Meckenbach LOGiC project are currently being discussed and the project is led by [VG Birkenfeld](#).

MORE INFORMATION

Contact Information



Low Carbon Off-grid Communities (LOGiC)

logic@nhn.nl

www.nweurope.eu/logic