



# SUSTAINABLE AND INTEGRATED ENERGY SYSTEMS IN LOCAL COMMUNITIES

The aim of #H2020SERENE is to develop and demonstrate sustainable, integrated, cost-effective and customer centric energy solutions for local communities.

The project focuses on the involvement of users, which is central for any changes to local energy systems.

The goal is to establish locally integrated 'energy islands' in the villages of Skanderborg (Denmark), Olst (the Netherlands) and Przywidz (Poland).

These 'energy islands' will contribute to the decarbonisation of local energy systems via the optimal integration of multi-energy carriers through smart control and balancing of systems and grids at the local level.

Results from the demonstration sites will be analysed and evaluated for replicability across Europe. Technical benchmark models and solutions will be established alongside business models adapted to suit the different challenges in each country.

**Total budget:** 5 112 663,39 €

**Duration:** May 2021 - April 2025

**Project Coordinator:** Birgitte Bak-Jensen



SERENE H2020 project  
#H2020SERENE



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