



The EU Islands Facility NESOI is pleased to introduce the clean energy projects receiving its support:

ARINDEC-GRANCANARIA

Industrial Energy Community powered by Renewable Energies in the Arinaga Industrial Area

Country  SPAIN	Island GRAN CANARIA	Project promoter Consejo Insular de la Energia de GranCanaria (CIEGC)	Sector Energy community	Project value 25,000,000 €
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“This pilot project can serve as a reference to determine the key aspects for the proper development of renewable energy communities in Spain”

What is the project about?

- The project's objective is to create a favourable environment for the implementation of an industrial energy community in the Arinaga Industrial Park, in which energy is generated, stored and consumed locally (690 companies).
- One of the key points is the establishment of a local energy market. A model has to be identified in order to maximize the benefit of the community, while minimizing the risk of disagreements between members & encouraging the integration of new renewable systems.

How will the EU Islands Facility NESOI support the project?

- Definition of the required environmental permitting procedures
- Cost Benefit analysis and socio economic and environmental impact evaluation
- Risk analysis and identification of available mitigation strategies
- Assessment of existing procurement options (e.g. tender, PPP, etc.)
- Action plan and identification of project monitoring procedures
- Evaluation of key information for the deployment of renewable generation
- Load Flow and grid capacity studies, dynamic stability study with respect to contingencies
- Design of the technological architecture required for energy communities management
- Basic Blockchain PoC (Proof of Concept) from synthetic data for virtual markets
- Economic feasibility studies for the implementation of generation and storage systems
- Preparation of the project financing plan



The town of Agüimes where Arinaga Industrial Park is located
(Source: Martin Falbisoner)

