

DEMO 3 – CROATIA

Innovative Active Building Fleet for Grid Flexibility



DEMO LEADER:
SMART
ISLAND KRK



Krk Island
Croatia



Domain
Electricity, Water



Partners involved

argovolt, Smart Island Krk,
STER – Studio elektronike Rijeka,
University of Zagreb

"The WeForming demonstrator in Croatia advances grid stability on Krk by converting buildings into active providers of grid data, successfully tackling the challenges of intense tourist seasonality and heterogeneous building types."



[weforming.eu](https://weforming.eu/demo-3-croatia)
demo-3-croatia

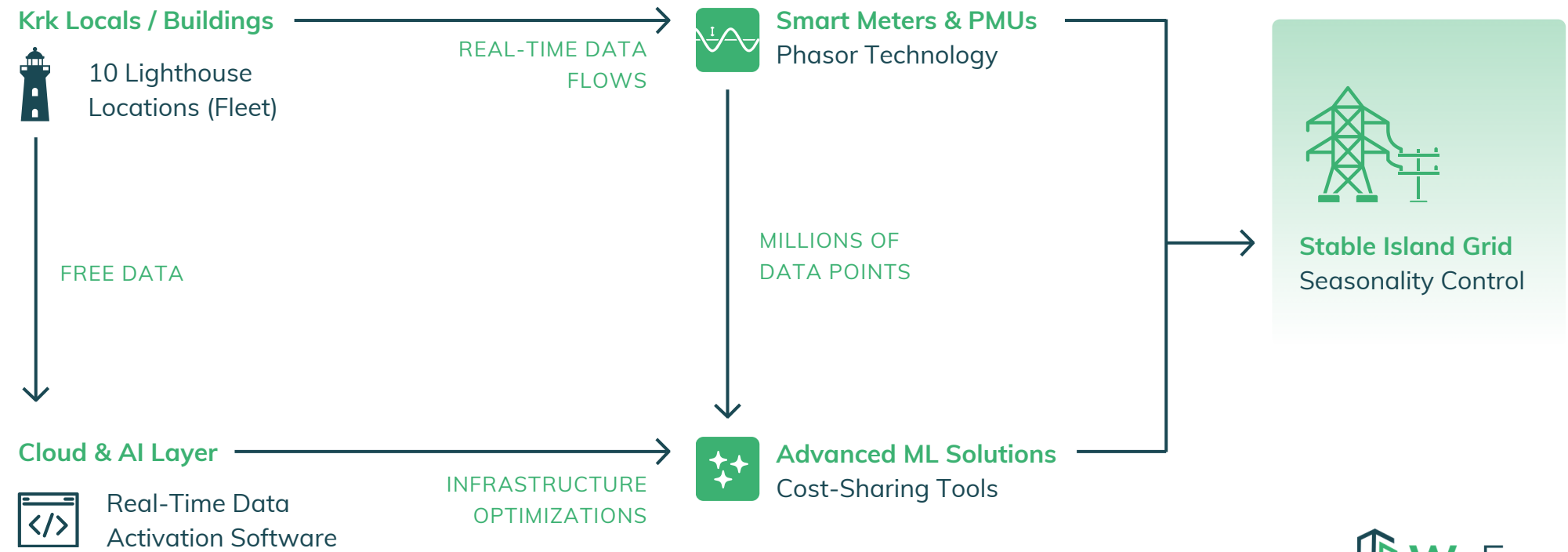


Funded by
the European Union



KEY TECHNOLOGIES

Using a strategic deployment of a fleet of discreet and reliable measurement devices, the system learns from the local data and minimizes the impact of seasonality. The users get direct insight into their behaviour, and their buildings become active contributors to grid stability.



TECHNICAL CHARACTERISTICS



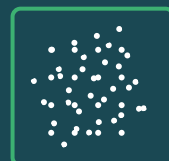
Scaled PMU Technology

PMUs affordable and easily deployable in regular building contexts to become grid data sources



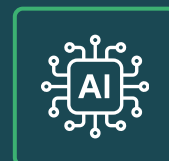
Full User Consent

Ensures data owners retain complete control over viewing and utilizing their information.



High-Volume Data Capture

Collects millions of data points



Machine Learning Solutions

AI applied directly to the enriched datasets to optimise power infrastructure performance.

IMPACT

- Show how buildings can support networks
- Tackle extreme seasonality
- Reduce community expenses
- Give Krk locals the data control and collaborative tools