

ENPOWER PILOT SITES

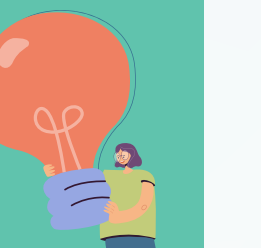


The ENPOWER approach will be validated along **4 Front Runners** energy communities pilots and further replicated in **2 Early Adopters**, covering different levels of maturity of communities

TRADITIONAL PASSIVE ENERGY CITIZENS



Active energy citizens enabled to take full control on their energy



ENERGY CONSUMERS / COMMUNITIES



Digitally-enhanced and grid friendly energy consumers / communities



Pilot sites

PILOT 4 (Front Runner)

IRELAND



Address low citizen engagement and trust in energy sharing across rural sustainable energy communities while tackling network congestion and rising electrification demands.

Region: Dingle Peninsula

Dingle Peninsula Sustainable Energy Community, West Kerry Dairy Farmers Sustainable Energy Community, Tourism and Hospitality Sustainable Energy Community with more than 290 members

PILOT 2 (Front Runner)

PORTUGAL



Improve grid stability and boost local renewable energy usage by engaging users in energy efficiency and flexibility services.

Region: Across the country

COOPERNICO energy cooperative with more than 180 of its clients and a local DSO in north-west Portugal with 33 citizens

PILOT 6 (Early Adopter)

SPAIN



Support early-stage energy community replication by testing ENPOWER solutions in a municipal setting, focusing on infrastructure setup, user engagement, and validation through planning tools and open data integration.

Region: Fornes, Granada

The energy community of Fornes with 8 public buildings and 25 members

PILOT 1 (Front Runner)

AUSTRIA

Achieve full energy supply using small to mid-scale power plants while motivating citizens to join energy communities and to engage in peer-to-peer energy sharing.

Region: Upper Austria

REC Poysdorf with 65 members and REGIOS cooperative with more than 1500 participants

PILOT 5 (Early Adopter)

HUNGARY

Lay the foundation for energy community development, overcome regulatory barriers, raise awareness, and explore a municipality-driven P2P market for a new local community.

Region: Békéscsaba

Energy community led by the municipality of Békéscsaba

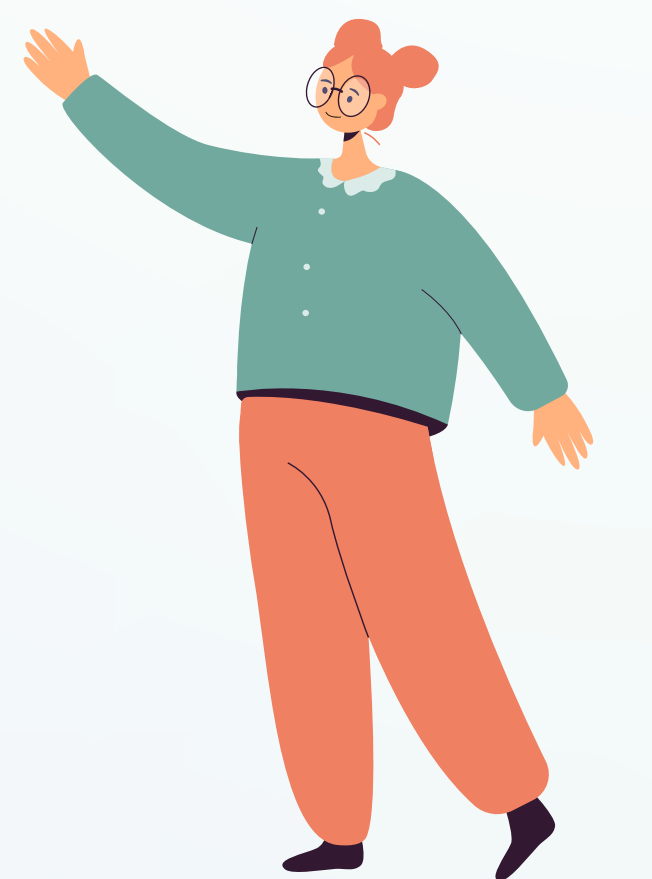
PILOT 3 (Front Runner)

GREECE

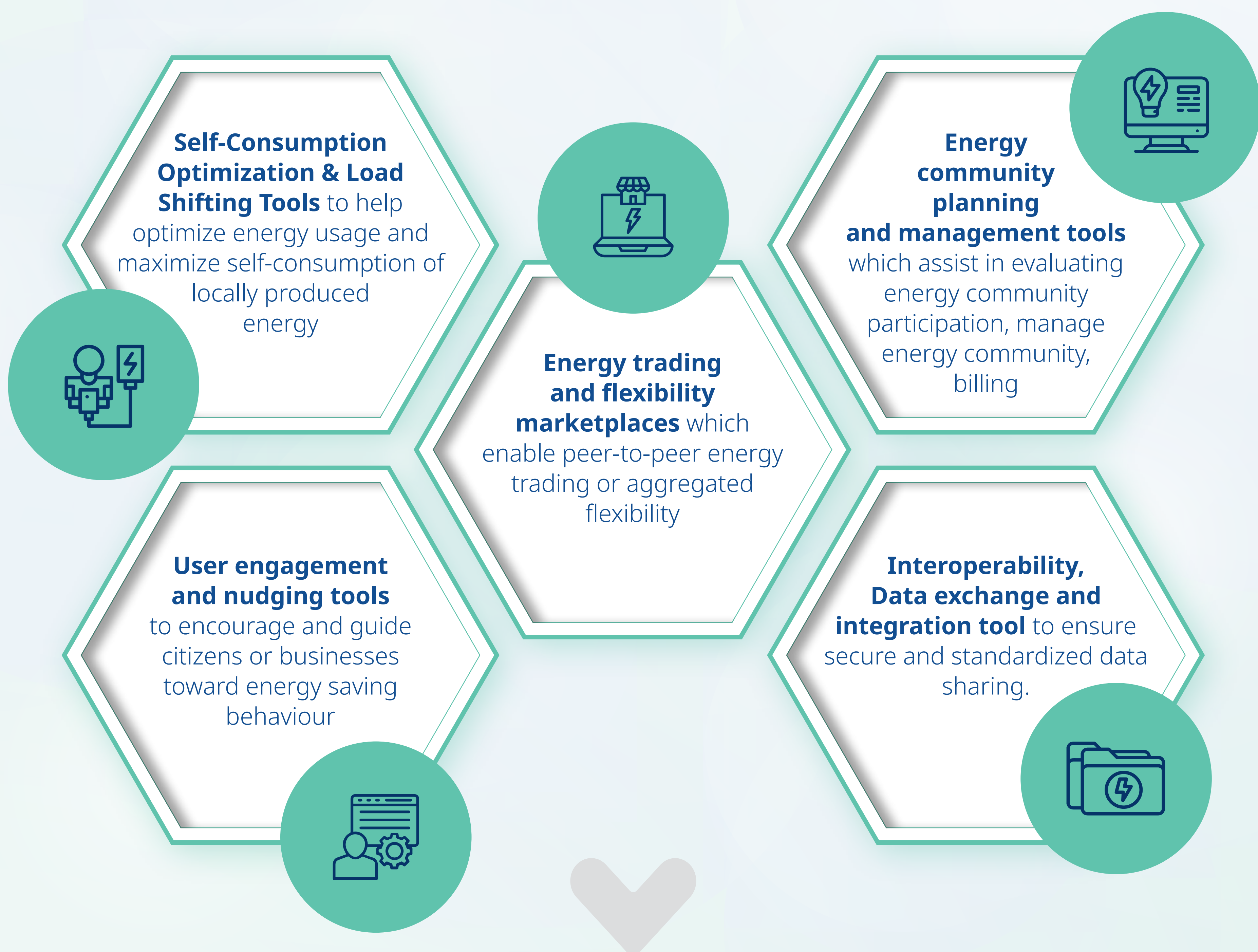
Strengthen Chalki's energy independence by maximizing local renewable production while raising citizen awareness about energy use.

Region: Island of Chalki

ChalkiON energy community with 178 members



The ENPOWER tools



≥ 1
Digital
Twin

≥ 10
data-driven
services

≥ 15
data analytics
techniques
and
algorithms

Open APIs
and extended
data Models:
≥ 10

Number of
energy citizens
activated:
≥ 1,000

Number
of non-energy
sectors
addressed:
≥ 4



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