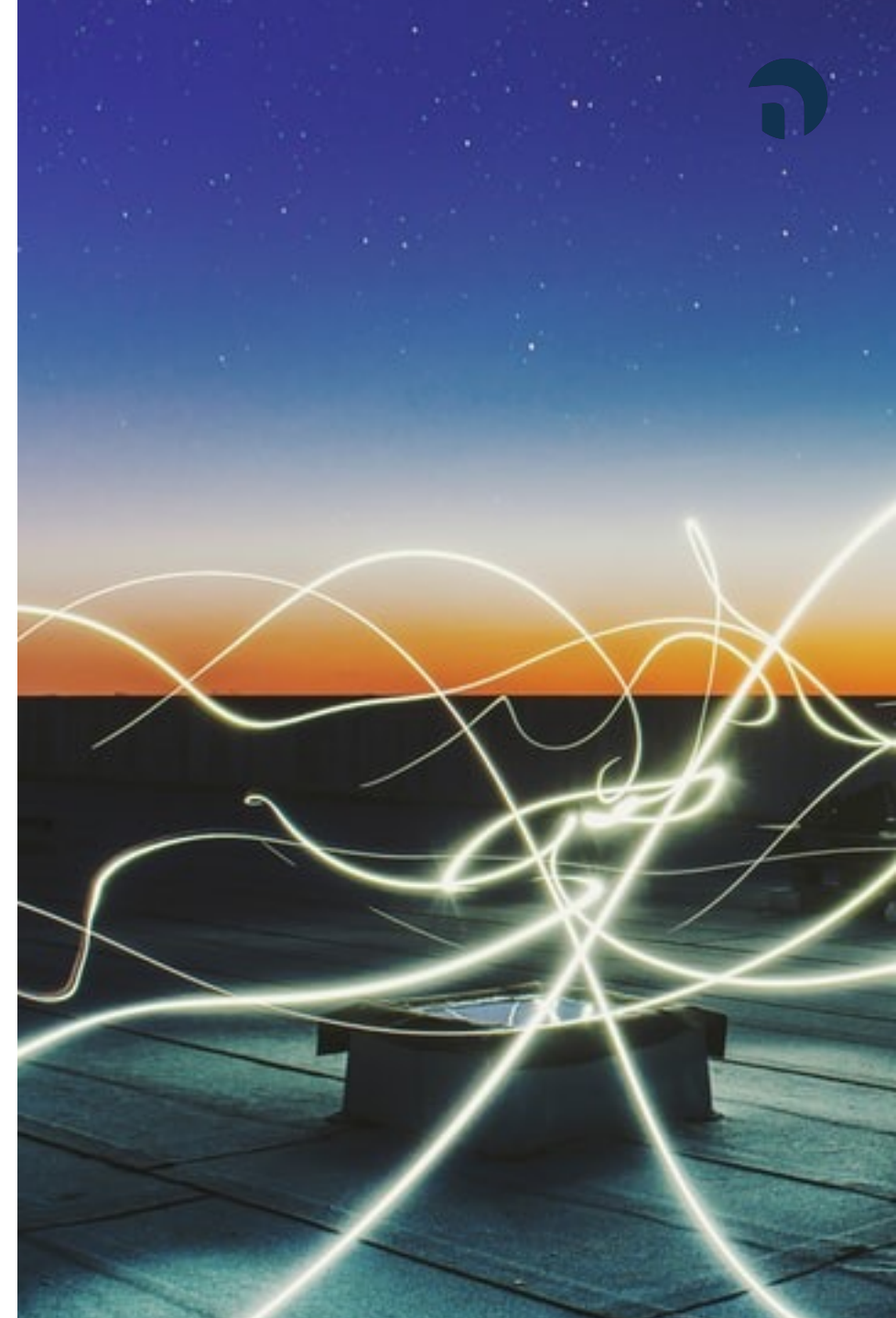


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**RENEWABLE ENERGY  
COMMUNITIES**

*The Future of Energy Supply*

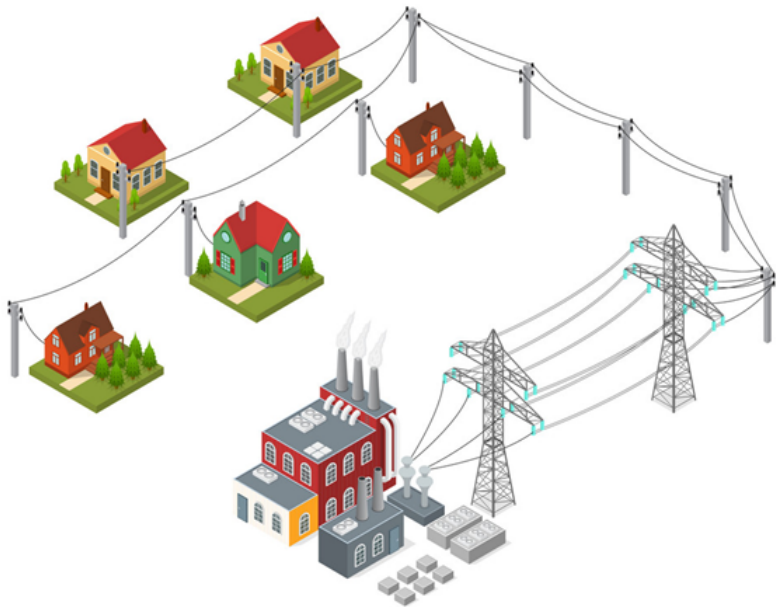




# RENEWABLE ENERGY COMMUNITIES (REC)

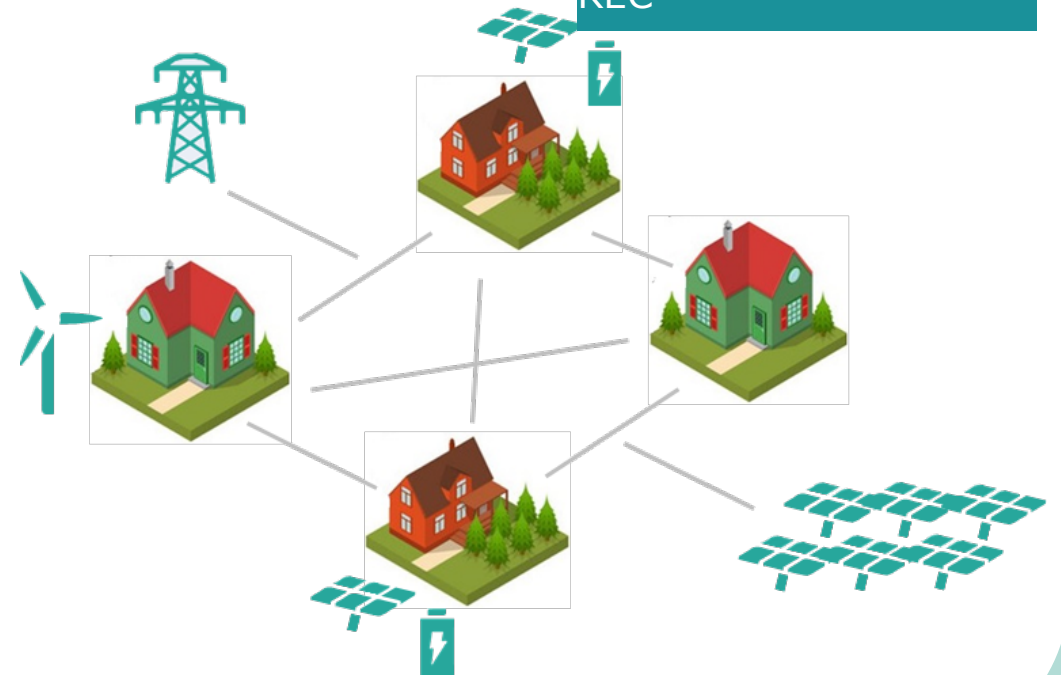
Future of Energy Supply

TODAY



FUTURE

REC





# REC DIGITAL PORTAL

## One-stop-shop for Energy Communities

Assisting communities, municipalities and companies



### Elene Digital Portal

Complementary platforms built on simulations of potential Energy Communities

	Simulation Platform	Elene Platform „Digital Twin“	Sonnenbank Platform Crowdfunding & Green Finance	Greening The Communities Platform	
Solutions	<ul style="list-style-type: none"> <li>Simulating multiple scenarios for each Energy Community</li> <li>Consideration of different conditions and frameworks</li> <li>Adaptation until the targeted rate of self-supply, self-sufficiency degree and more efficiency are reached</li> <li>Set up of the financial planning and the tariff structure</li> <li>Visual and easy-to-read assessment</li> </ul>	<ul style="list-style-type: none"> <li>Monitoring, processing and visualization of the Energy Community in real time</li> <li>Presentation of the assets, members, the energy flow and efficiency</li> <li>Functionalities: Communication, Information, Operation tools</li> <li>Improvement of large-scale awareness and successful management of Energy Communities</li> </ul>	<ul style="list-style-type: none"> <li>Connection of private funding, digital infrastructure, project development and know-how</li> <li>Crowd financing as a tool for local participation and for increased awareness</li> <li>Support of local businesses and local projects</li> <li>Low entrance barriers and diverse forms of participatory financing</li> </ul>	<ul style="list-style-type: none"> <li>Facilitation of the dissemination and replication of RECs in all EU Municipalities through supporting the establishment</li> <li>Building a strong stakeholder network and buyers groups</li> <li>Embedding training and best practice learning on the topic</li> <li>Capacity building for communities, local and regional authorities</li> </ul>	Solutions

**Basis for the technical & commercial implementation**

**Support system & community exchange**

**Financing options for renewable energy**

**Capacity building and networking**



## model for setting up renewable energy communities



**1**

Awareness building, community activation & multi-stakeholder dialogue



Citizens



Local  
businesses



Local  
authorities

**2**

Analysis of barriers and frameworks & definition of a transition strategy for demonstrator communities

**3**

Reflection of current EC business models & proposal of innovative flexibility-embedding solutions

**4**

Set up and simulation of demonstrator energy communities and identification of scenarios and roadmaps

**5**

Start of renewable energy communities & its management using the Digital Portal

**6**

Local demonstrations' evaluation, iteration & technical improvement of the Digital Portal

**7**

Planning the next phase of the RECs







# Energy Community



**Municipalities** – act as pioneers of the energy transition. Local population and businesses become a stronger community. Value creation stays within the region.



**Households** – act as an integral part of the bottom up energy system. By becoming prosumer and part of energy community, they profit on different levels: next to the savings they are contributing to a more sustainable region.



**Local businesses** – distributed energy systems and energy communities lead to independency, efficiency re energy demand and optimized production of RE. Greening the business is also a great argument, especially in tourism and agricultural island regions.



**Public institutions** – dispose over rooftops also needed for the RE production. Produced energy can only be partially used by the institution. By integration in energy community, efficient use of roof tops and other areas by supplying households and business within the community can be easily reached.

## STABLE PRICES

Independence from energy markets

## CLIMATE GOALS

100% green energy

## SAVINGS

Savings within the community

## VALUE CREATION

Regional value creation within the island community

# nobile group

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