



**ManagEnergy**  
Energy Agencies  
leading the energy transition

# Story of the Estonian Islands Energy Agency

Sulev Alajõe, managing director

# WEST-ESTONIAN ARCHIPELAGO

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2023

Island	Population	Area, km <sup>2</sup>	Density, inhabitants per square km
Hiiumaa	8 474	1032.58	8.2
Vormsi	292	95.06	3.1
Kihnu	529	17.24	30.7
Muhu	1 640	207.89	7.9
Ruhnu	88	11.89	7.4
Saaremaa	30 191	2718.54	11.1
<b>TOTAL:</b>	<b>41 214</b>	<b>4083.2</b>	<b>11.4</b>

## CHALLENGES

2/3 municipal buildings below required nZEB level

Ferries and second island buses run on diesel

EV's remain too expensive

No energy cooperatives, NIMBY presence

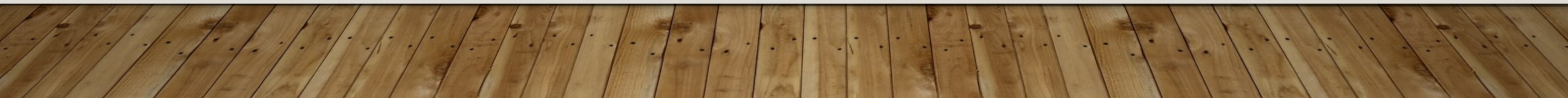
Grid constraints for offshore and RES

Grants not enough to compensate low investment capacity

Lack of energy technology competence and leadership

Islands separately too small for procurements

Island	Electricity consumpt 2023, GWh	Renewable generation MWh	RES/Cons %	Consumers
<b>Hiiumaa</b>	44	3 951	9%	6933
<b>Kihnu</b>	2	46	3%	324
<b>Muhu</b>	8	1 529	19%	1471
<b>Ruhnu</b>	0.6	675	108%	112
<b>Saaremaa</b>	153	63 571	42%	20417
<b>Vormsi</b>	2	58	4%	380
<b>TOTAL:</b>	<b>208</b>	<b>69 830</b>		<b>29 637</b>





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**ManagEnergy Master Class #1: Market Facilitation and Project Aggregation**  
[PDA programme is one of the LIFE Call for proposals currently open under the Clean Energy Transition Sub-programme.](#)

**ManagEnergy Master Class #3: Unleashing the Potential of One-Stop-Shops for Residential Retrofit**

**Empowering Local Energy Initiatives: Master Class #4 Dives into Financial Instruments**





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**Expert mission by Seamus Hoyne, Secretary General of FEDARENE, Dean at Technological University of Shannon**

**Three intense meeting days on islands with municipalities, companies, and communities**

**The special focus on Life CET PDA application success factors**





Members of the established energy agency:

- island municipalities
- associations of entrepreneurs
- biggest island's development center
- Tallinn university of technology

We enable local authorities, communities and businesses to deliver renewable energy projects and become more energy efficient. We focus on innovation and best practice to scale up the energy transition, and are at the forefront of the development of community energy production in the Baltic Sea. We collaborate with third level institutions on national and European research and demonstration projects.



DEVELOPMENT OF  
GREEN  
TRANSITION  
PORTFOLIO  
WITHIN LIFE  
APPLICATION

- Renovation of 8 municipal buildings
- 2 comprehensive district heating projects
- Support on establishing energy cooperatives
- Decarbonizing transportation
- Facilitating biomethane plant investment
- Building hydrogen chain for ferry bunkering

TOTAL: m35€, ENERGY SAVINGS 11 GWh, RE  
DELIVERED 42 GWh/y, **3712 tCO<sub>2</sub>/y** EMISSIONS  
SAVED



# Energy performance contracting

- **Energy Performance Contracting: how to avoid mistakes? – Public buildings** training by the regional energy agency of Upper Austria in Linz
- [PROSPECT+ and ManagEnergy workshop at the World Sustainable Energy Days 2024](#)





# Potential



- Life grant agreement under preparation
- Study by H2Regions program
- Clean Energy for EU Islands program '30 Renewable islands by 2030'
- Joining the Baltic Sea Energy islands collaboration
- 7GW planned offshore capacity as the source for energy-intensive investments, power2x, and development of new industry



*Work shadowing by ManagEnergy yet to come*

**Thank you, FEDARENE**  
**Next for us to apply for membership**