

CB Small Ports

Energetic Small Ports in the Central Baltic Region

Examples of energy efficiency investments in small ports
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CBSmallPorts – Energetic Small Ports in the Central Baltic Region

01.03.2020 – 30.11.2022

Background:

The goal of the Interreg Central Baltic Program 2014-2020 is to develop small ports in the Baltic Sea region (e.g. safety, infrastructure, sustainable development, energy- and resource efficiency)

Theme of CBSmallPorts:

Energy efficiency and joint marketing of small ports

Content:

- Total budget 2,2 m€ (investments 0,615 m€)
- Marketing work package
- Reports to be published (e.g. energy efficiency self-assessment tool)

Project partners

Satakunta University of Applied Sciences SAMK

University of Turku

Airiston Matkailukeskus Oy

South-Eastern Finland University of Applied Sciences XAMK

Riga Planning Region

Kurzeme Planning Region

Municipality of Söderhamn

Bläse Kalkbruk

Estonian Small Harbour Development Center

Foundation Hiiumaa Harbours

Finnish Sailing and Boating Federation

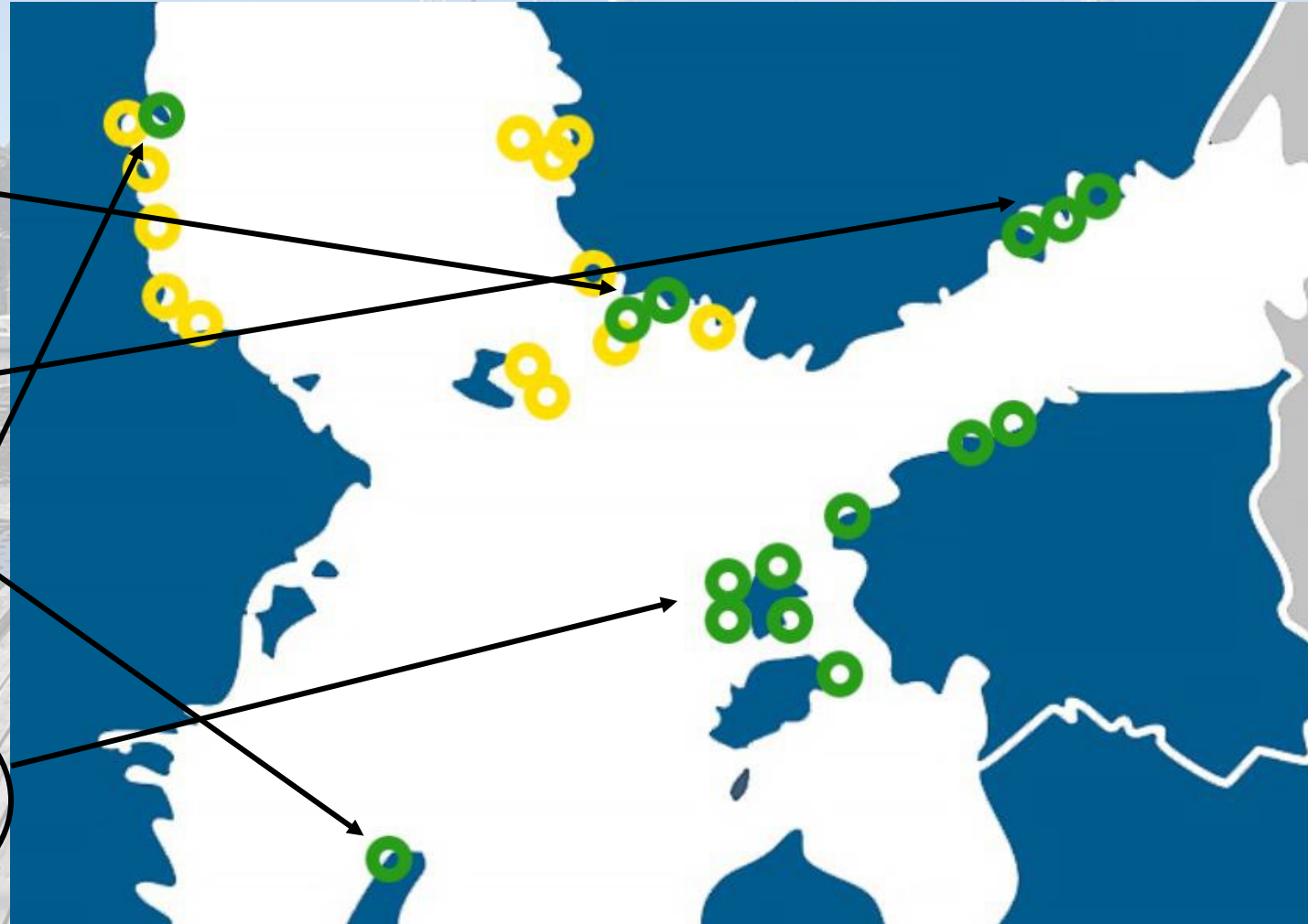


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Investing ports

Project partner	Port
University of Turku	Seili
Airiston Matkailukeskus Oy	Airisto Strand
South-Eastern Finland University of Applied Sciences (XAMK)	Keihässalmi, Sapokka, Tervasaari
Bläse Kalkbruk	Bläse
Municipality of Söderhamn	Klacksörarna
Eesti Väikesadamate Arenduskeskus (EVAK)	Dirhami, Lennusadam, Lõunaranna, Roograhu
Foundation Hiiumaa Harbors	Kärdla, Orjaku, Soru



Investing ports

Project partner	Port	The target of the investment	Budget, €
University of Turku	Seili	Service premises renovation (two saunas + energy management system, Optiwatti)	46 870€
Airiston Matkailukeskus Oy	Airisto Strand	floating piers x 2, solar power plant	169 100€
South-Eastern Finland University of Applied Sciences (XAMK)	Keihässalmi Sapokka Tervasaari	Modernize the power line (from air to underground) Solar power plant, led light post, led area lighting Guest harbour area led lighting	81 000€
Bläse Kalkbruk	Bläse	Solar power plant, electricity / water / light to piers, pier maintenance, septic waste pumpout station	107 200 €
Municipality of Söderhamn	Klacksörarna	Solar power plant x 2 (off-grid) and lighting Fresh (drinking) water well and pump (manual)	29 949€
MTÜ Väikesadamate Kompetentsikeskus (NGO Small Ports Competence Center)	Dirhami Lennusadam Lõunaranna Roograhu	Floating piers, solar power plant LED lights & service posts to piers Wind generator Solar power plant	139 687€
Foundation Hiiumaa Harbors	Kärdla Orjaku Soru	Smart lighting Smart lighting & service posts Smart lighting & service posts	42 000 €

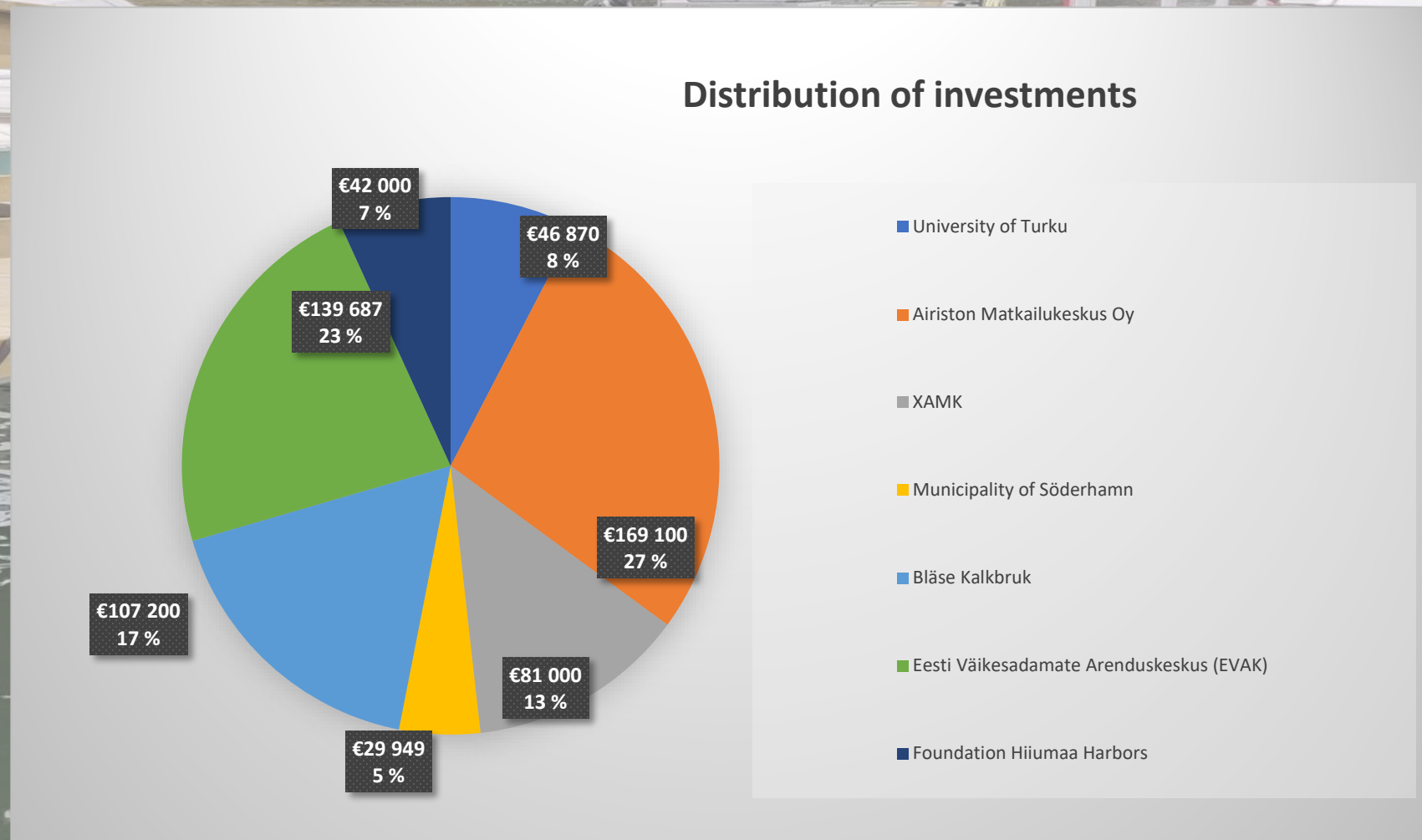


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Distribution of investments

Project partner	Budget (€)
University of Turku	46 870 €
Airiston Matkailukeskus Oy	169 100 €
XAMK	81 000 €
Bläse Kalkbruk	107 200 €
Söderhamn kommun	29 949 €
Eesti Väikesadamate Arenduskeskus	139 687 €
Hiiumaa Sadamad	42 000 €
YHTEENSÄ	615 806 €



Project report

Practical approach to energy efficiency investments in small ports

Description of investment in individual port

1. Presentation of the small port and content of the investment
2. Steps in the investment process
 - Plans, drawings, selection of products
 - Public procurement, purchasing, cost levels
 - Installation
3. Technical specifications of the investment
4. Lessons learned

→ Best practices from CBSmallPorts investments

Practical approach
to energy efficiency
investments in
small ports



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Lessons learned from the investment

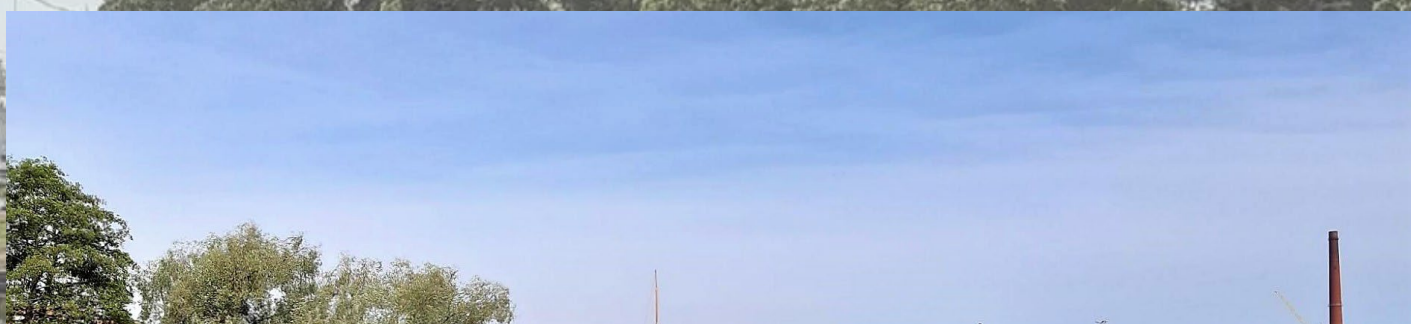


Challenges (before the project)	
Timetables	• Existence and timeliness of background information (e.g. electrical drawings) • Applying for permits takes time
Communication and cooperation	Once the right stakeholders are found and networks created, collaboration, communication and trust must be also maintained during the whole project.
Finding and selecting the right products/solutions	• Importance of proper procurement / ensuring bids (content, comparability of bids) NOTE: the effect of the location (weather, logistics, number of contractors etc.) • The products and materials need to be selected so that they are suitable to sea weather conditions and need minimum maintenance.
Maintenance	



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Interreg
Central Baltic



Thank You!



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