

ENERGY COOPERATIVE OMA ELEKTER



**Reis Läti-Leedu-Poola,
07- 10.okt 2015**



Preparations to support land-use-related business activities.

- Studies conducted by the Estonian University of Life Sciences as part of the joint Estonia-Latvia project „Bay Local“ 2011/12.a.
- Willingness to cooperate and engage in joint activities (survey results):
40% "yes" + 26% "likely yes." The biggest obstacle: a lack of desire and motivation.
- Profitability analyses. Vegetables: garlic, carrots, cucumbers. Organic berries: strawberry, blackcurrant, and blueberry plantations.
- Analyses of environmental (resource) and economic conditions: soil, sunlight, temperature, rainfall, etc.

Why blackcurrant?

- Suitable soils: sandy loam, loamy sand
- Easy to propagate and grow
- Relatively low investment
- Healthy berries
- Low labor requirement
- Suitable for cultivation on smaller plots as well



Commercial association Seto Aiad founded: 14.04.2016

1. Ostrova Mari OÜ - 4 ha, (+4ha)
2. Turundustüdrukud OÜ - 5 ha, (+3ha)
3. Vaslamäe Mahe OÜ – 2 ha (töötlemine)
4. Peedo Agro OÜ - 14 ha
5. Männi Mahetalu OÜ – 2 ha, (+ 3ha)
6. Alliku Mahetalu OÜ – 2 ha, (+3ha)
7. Laumarx OÜ – 6 ha
8. Kõnspek OÜ- 9 ha, (+ 3 ha)
9. Vesan OÜ – 2 ha + maasikas 2ha, varajane kartul 1,5ha
10. *Misso Kandi Kulade Selts MTÜ -1ha, (+ max 5ha)*

cooperative members' plantations in total **ca 60 ha**

2018.a. We built a cold storage facility in Obinitsa

When the sun shines between the rain clouds



A PAUSE FOR THOUGHT

Drinking coffee in the sunshine is nice, but the problem of high electricity prices needed to be solve.



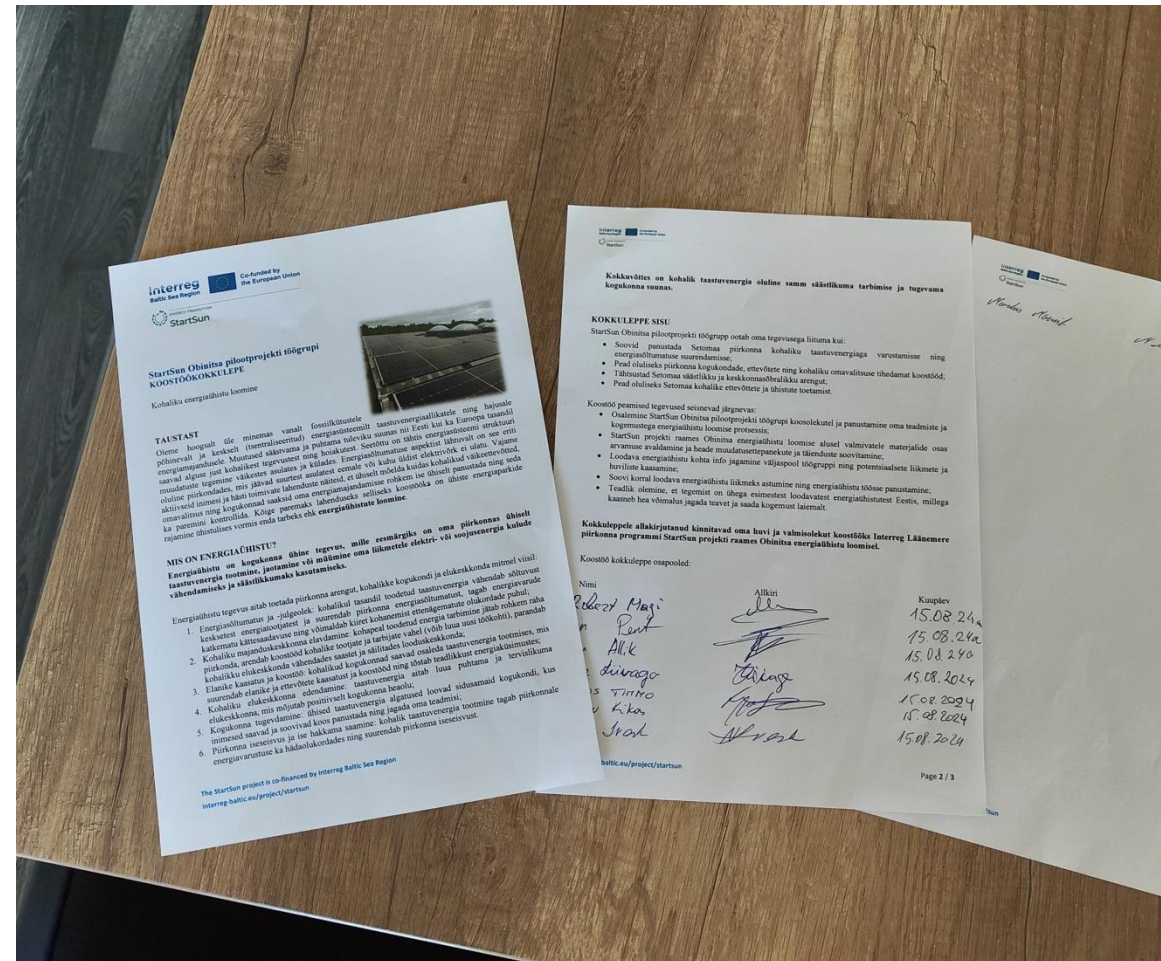
FIRST WORK GROUP MEETING

- How to set up an energy cooperative?
- Who should we do it with?
- Who needs it?
- Is it worth it?
- Has it been done before?
- There were many questions and a lot of uncertainty...
- And even more questions...



SIGNING OF A COOPERATION AGREEMENT

- Drafting the cooperation agreement and defining objectives
- Drafting the statutes
- 03.10.2024 Registration of the Oma Elekter!!!! Woop woop ☺



NOTARIZED REGISTRATION OF A COOPERATIVE

- What will be the cooperative name?
- Who will make up the management board?
- How will ownership interests be distributed?

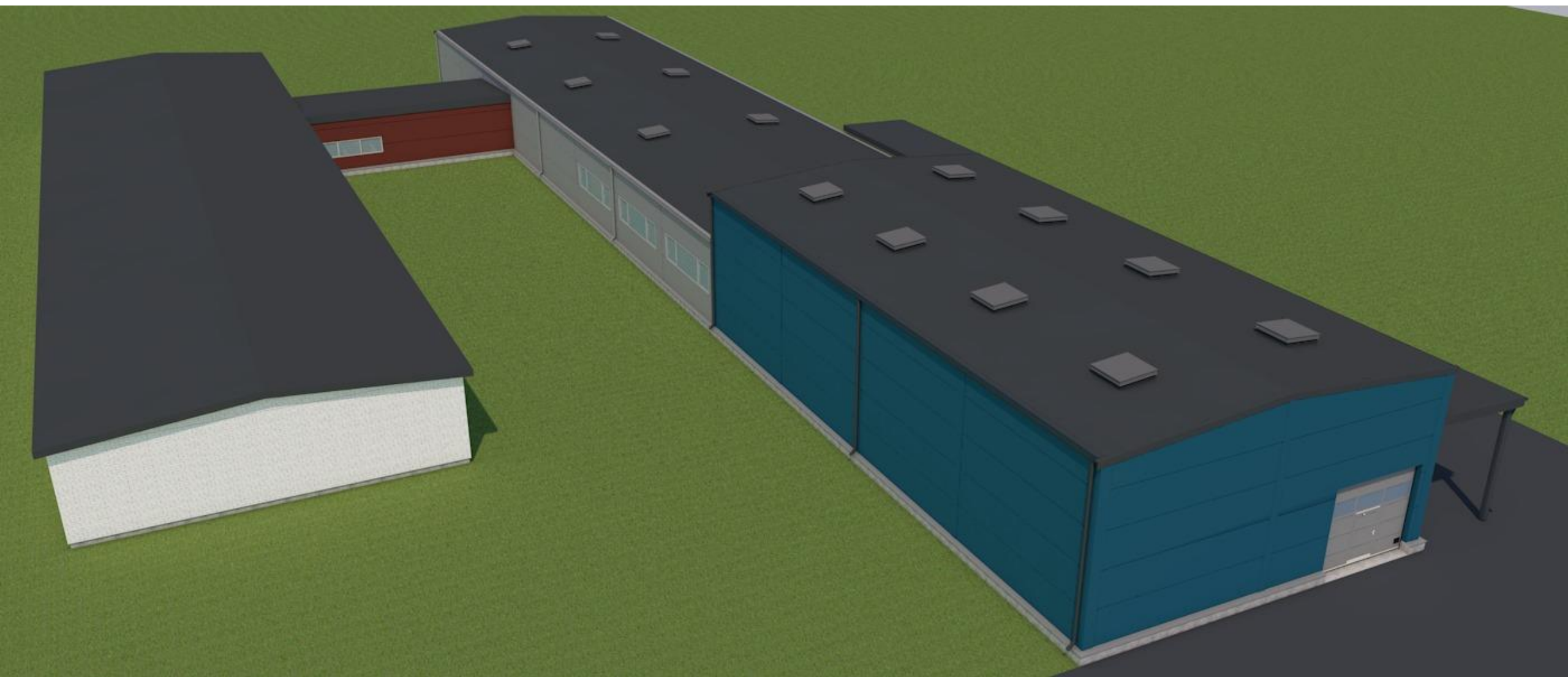


THE RESULT OF LONG PLANNING

- 62 kW solar panels and 50 kWh battery.
- option to increase battery capacity up to 250 kWh
- Sales to the grid 15 kWh



Establishment of a processing center for Southern Estonian garden produce



Property of
the
agricultural
produce
processing
centre in
Obinitša
village





And so it was finished.



Oma Elekter solar park output

Operating Data

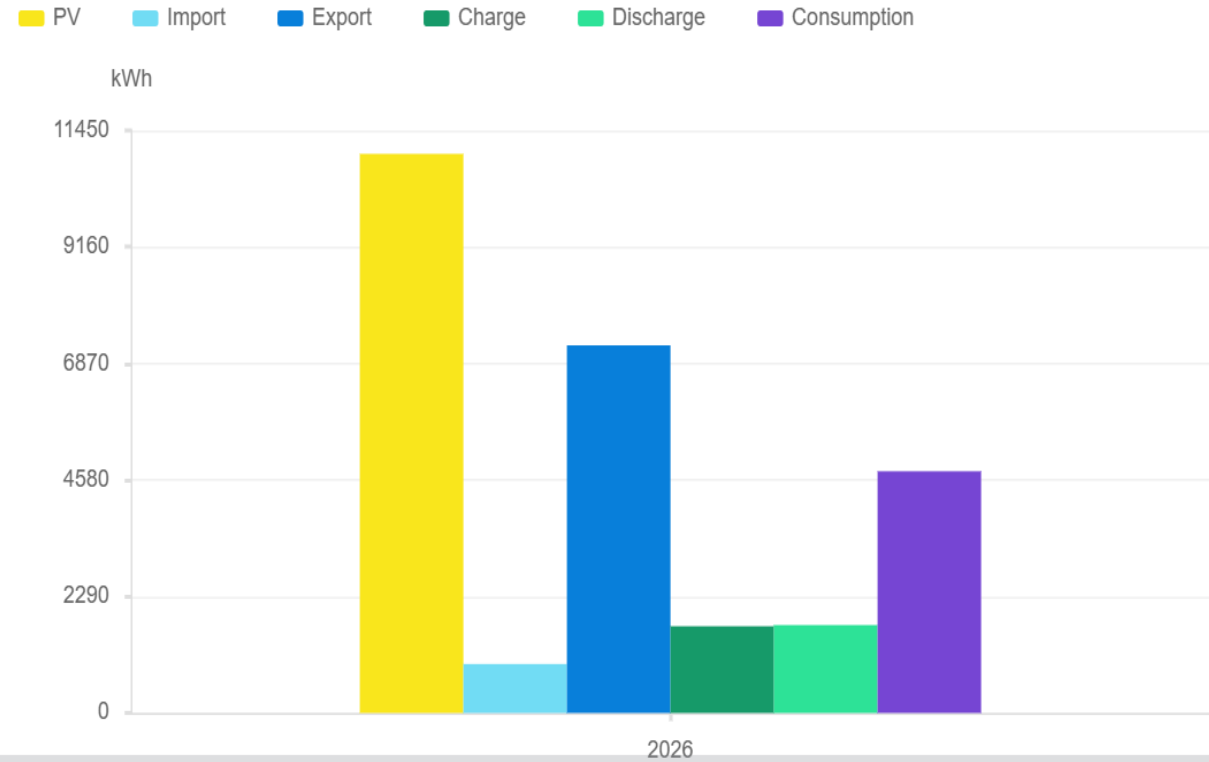
Day

Month

Year

Lifetime

0kWh	1840kWh	19812kWh
Smart Load	Total Import	Total Export
2401kWh	2430kWh	425.81h
Total Charge	Total Discharge	Total Full Load Hours



Future plans

- Website.
- Promoting the cooperative.
- October 8: Open House.
- Recruiting new members.
- Planning future investments / finding partners.





Thank you for listening.