

PYR**LY**®

Turning waste into energy and
food in a completely
environmentally friendly way



Problem Statement



Unutilized Waste

Europe generates 2.135 billion tons of waste annually, only 70% treated.

- Waste utilization is expensive and ineffective
- Incineration emits a lot of toxins and pollutants affecting local air quality.
- Very poor tire and waste recycling in Estonia.



High energy prices

High energy prices strain households and businesses.

- Thousands of businesses at risk of insolvency due to soaring energy bills.
- In Estonia (2021-2022) 323% rise in household electricity prices, 559% in natural gas prices.

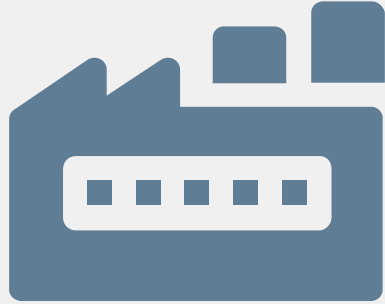


High Greenhouse Costs

High energy expenses affect greenhouse business and food prices.

- Food prices 20-157% higher since 2022.
- Commercial greenhouses consume up to €460,000/ha for heating

Our solution



PYROLY®

www.pyroly.com

A waste-to-energy plant in Estonia that will efficiently convert industrial and municipal waste into a range of fuel products and energy.

- All achieved in an environmentally friendly manner. With zero CO2 footprint.



- Pyrolysis oil
- Gas
- Electricity
- Heat

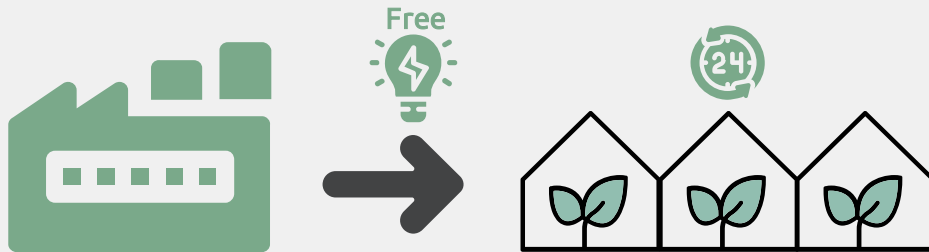
Our solution

Self-sufficient industrial greenhouses



Our waste utilizing plant generates heat during the process that can be reused to operate **greenhouse business without additional energy consumption.**

This means we can grow crops 24/7 in Estonia **without relying on external electricity.**



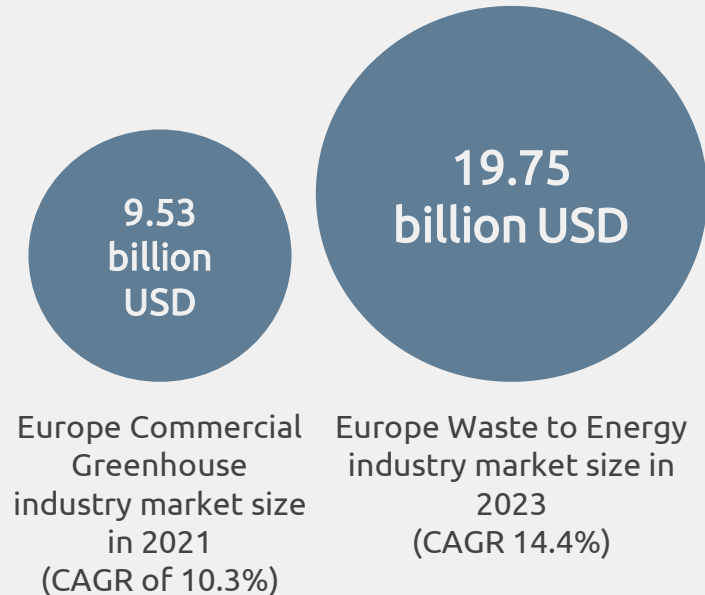
- This way, we make the most of processed waste and grow crops for profit.

Market size/Target groups (clients)

Our potential clients:

- Oil refineries
- Raw material resellers
- Landfills and tire collecting sites
- Power stations
- Food and tire manufactures
- Agriculture importers
- Government

PS. We already have pre-agreements with Estonian governmental firms and private companies.



Application to the market



All the necessary document, certificates and permits acquired



Pre-contracts and agreements prepared with industrial customers and suppliers



KESKKONNAAMET

Keskkonnaluba

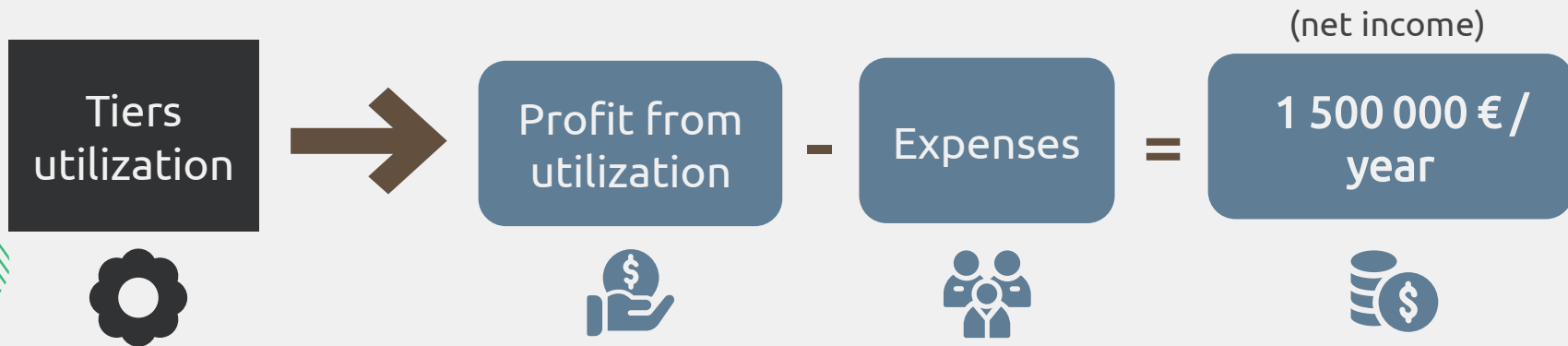
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	Aadress	Narva mnt 7a, 15172 Tallinn
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	Lõppemise kuupäev	

Our license Nr. KL-509045 from Estonian Environmental Board

Business model

(Starting model)

- We have pre-agreements with Estonian tire landfills and will receive payments from them for utilizing their tires.
- We shred tires and generate revenue by selling crumbs to companies that are willing to sign long-term agreements with us.



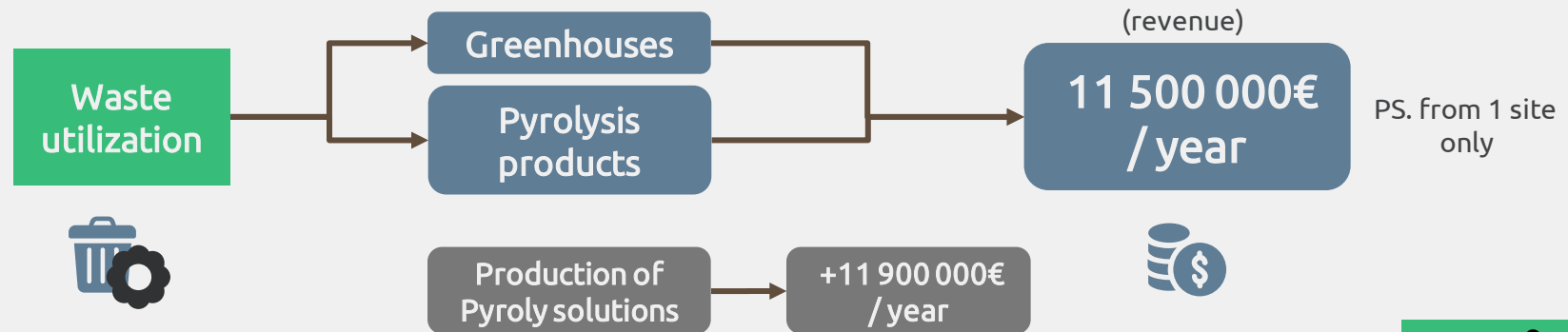
Business model

(Main model)

We want to use full potential of our technologies and waste.

That's why we plan to:

- utilize all kinds of waste and sell our recycled end products to other businesses.
- run our own greenhouses and sell the crops (ex. vegetables, seedlings).
- start manufacturing and sell our waste-to-fuel solutions that we have developed.





Why now?

Unutilized waste is a problem

Tons of waste around the world, useless in landfills.

Food prices are growing

Our greenhouses could provide cheap food, even in winter without worrying about the energy prices.

The world seeks environmentally friendly solutions.

Our technologies has no CO2 footprint.

Favorable business environment

With low competition and free resources accessibility, we have a strong starting position.

High demand

Fuel and energy providers seek for cheap resources.

Competitive Advantage



	Other foreign companies like TreaTech, Beston, Green Fuel Nordic Oy etc.	Pyrum Innovations	Our technologies
Has solutions for industrial scale	✗	✓	✓
Has no exhaust/chimney	✗	✓	✓
Energy self-sufficient	✗	✓	✓
Emits no CO2	✗	⊖	✓
Cost-efficient	✗	⊖	✓
Offers mobile capabilities	✗	✓	✓
Can be used as a power station	✗	✓	✓
Has fully autonomous solutions	⊖	✓	✓

Our business model uses waste as a free raw material

We reuse heat for additional profit (greenhouses)



How much we need

(Starting model)

We are looking for 4.3 million
EUR in funds to start our
business in Estonia

4 268 450 EUR



for



5%

Land procurement



33%

Land and facility
preparations



62%

Equipment, taxes and
other



5-year Financial Plan

(Starting model)

Calculations are based on our pre-agreements and 25% risk buffer:

Note:

Initial setup phase is 6-8 months.
Financial projections begin when
operations are fully established.

Main sources of revenue (Year 1-4)

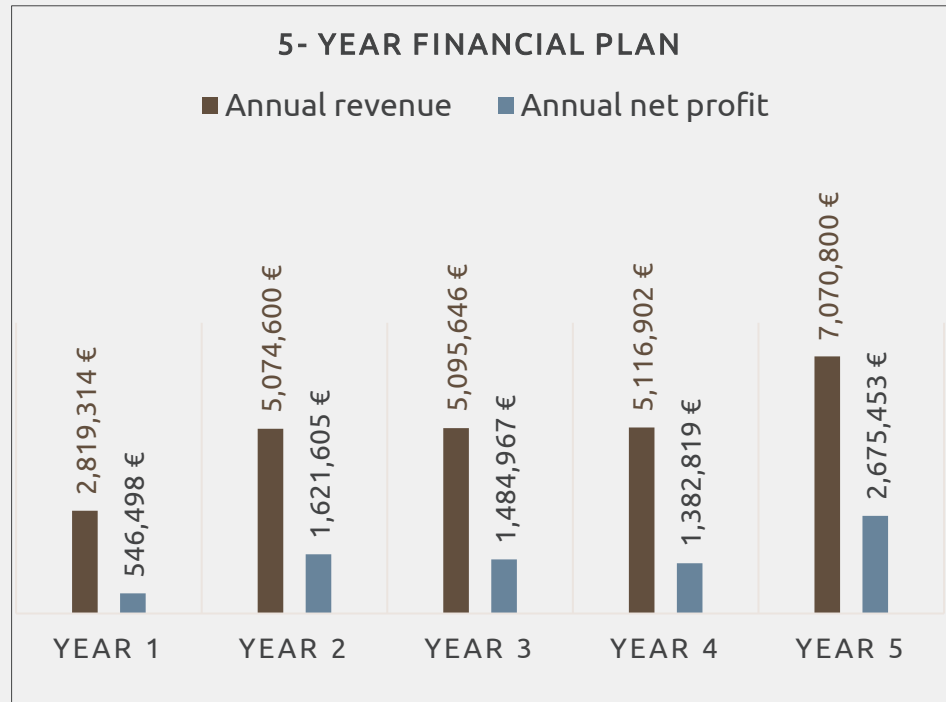
Acquisition of used tires:

Max yearly acquisition license 27,000 MT
(Metric Tons)

Price per MT = 110 €/MT
Total revenue = **2,970,000 €**

Tire crumb sales:

Price for 25x25mm crumbs = 45 €/MT
Price for 0-5mm crumbs = 124 €/MT
Total revenue = **1,870,000 €**





Timeline



Investing in expansion

Year 4

Established waste-to-energy plant **without** greenhouses

Year 5

Fully running waste-to-fuel plant **with** greenhouses

Year 6 ✓

Investing in Pyroly production equipment

Subsequent Years:



Annual revenue:
€5.1 million

Selling:
Pyrolysis oil
Liquid CO2
Carbon black
Recycled steel cords

Starting sales of
greenhouse crops

Annual revenue:
€11.5 million





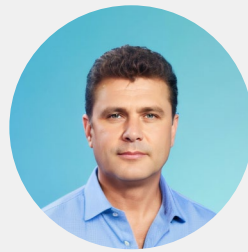
Team



Juri

Founder / CEO

- 30+ years entrepreneurial experience
- Wide knowledge in Waste-to-Fuel industry
- Founder of Goldmaks, JTK and RAVLOS and other
- Experience in coordinating up to 235 employees
- Broad background in multiple industries



Yuri

Co-Founder / CFO

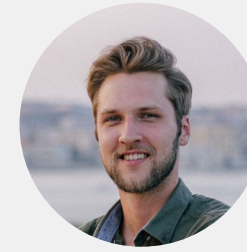
- Over 30 years of cross-sector experience in mining, energy, and waste processing.
- Held leadership roles in major corporations like AMDON (USA), Aton (UKR), and Dalex (USA).
- Law degree from Donetsk State University, showcasing managerial expertise.



Kaido

Regulatory Affairs Specialist and Sales Director

- 25+ years of leadership in import and sales
- Expertise in various industries, including agriculture and consumer goods
- CEO/Founder roles at Horsefood Estonia, Aikon Kaubanduse, and Alkon



Alan

International Customer Relations Manager and Investor Relations Specialist

- Experience as Quality Control Coordinator, Business Development Advisor and Bilingual Administrative Assistant
- Coordinates foreign communication strategies
- Brings a fresh, adaptive, and critical perspective to team planning



Ruslan

Production Director

- Versatile career spanning mechanical engineering, legal consulting, and metalworking.
- Key roles in metalworking sector and co-founder of several Estonian companies, showcasing entrepreneurial and project management abilities.



Thanks

Do you have any questions?

Feel free to request our business plan for more detailed information.

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Pyroly.com



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