

Technological Park Latgale

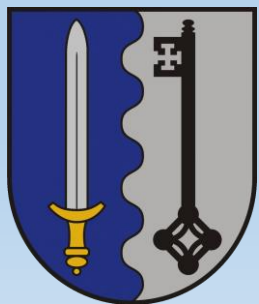
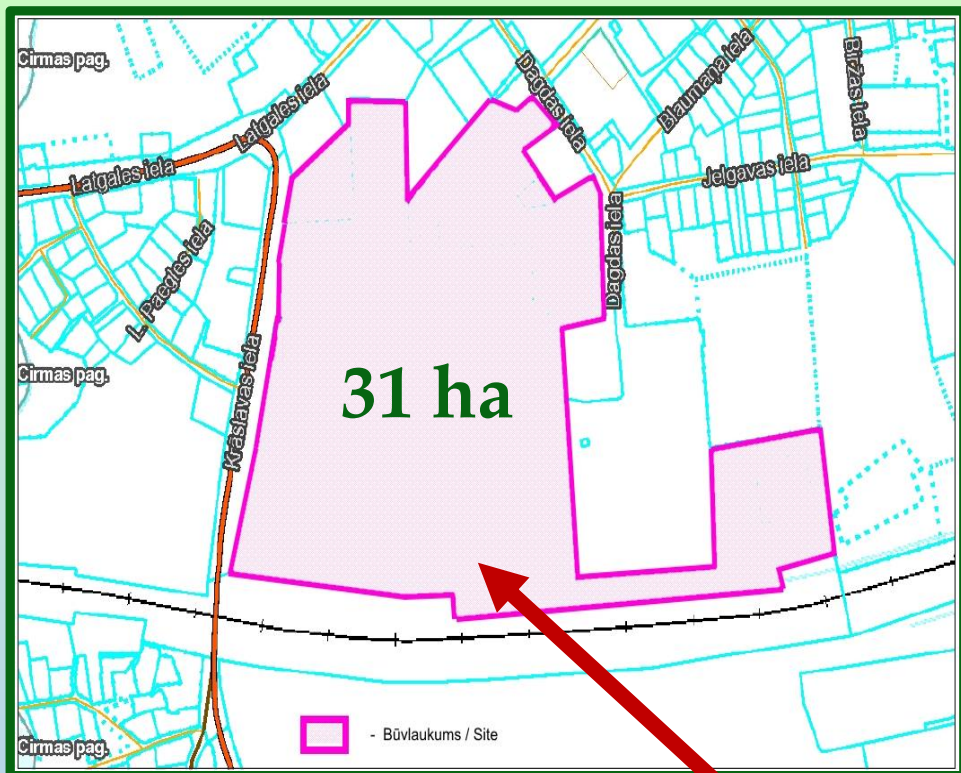
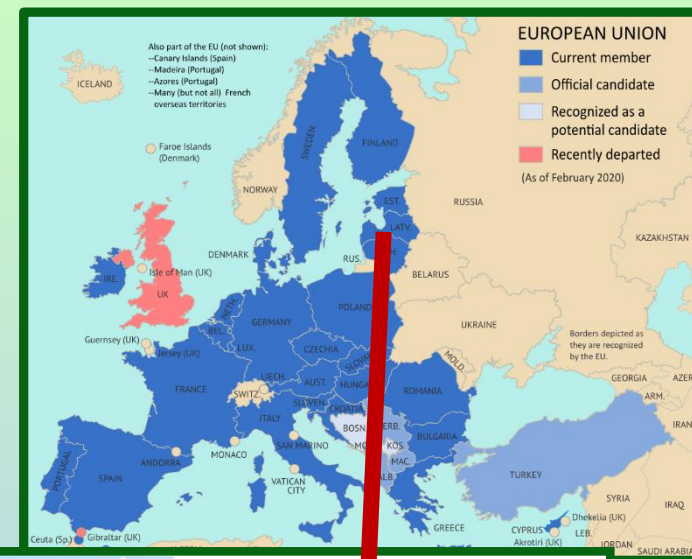


Greenhouse & green energy

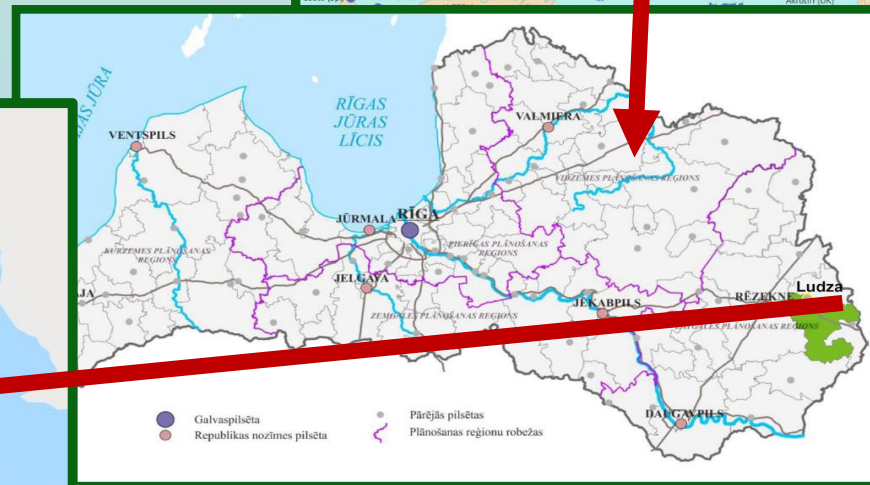
Presentation

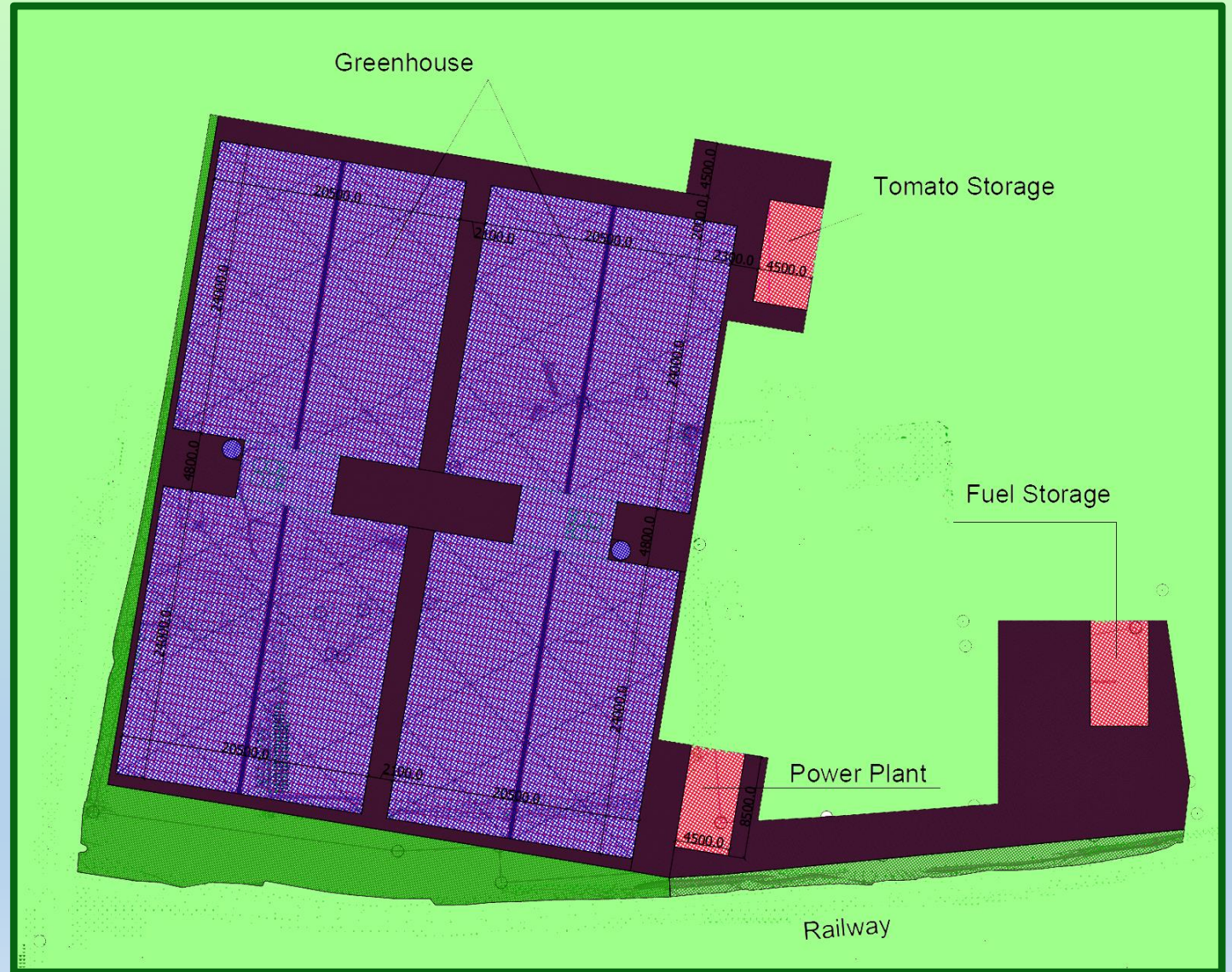


Location



LUDZA
city





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Greenhouse complex



Cost 47 214 200 EUR

Total area - 204 500 m²

Growing area - 177 600 m²

Young plant area – 18 200 mm²

Tomato grown - 11 544 000 kg / year

DEBETS SCHALKE

Sorts of tomatoes - orange tomatoes BeOrange, cherry tomatoes Amoroso and red tomatoes Haiku and Managua



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Power Plant



Fuel – Wood Chips
Heat Power - 60 MW
Electric Power - 12 MW

Cost 32 711 000 EUR

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Project indicators for Power Plant

Heat production per year – 122.7 th. MWh

Electricity production, 61.5 mln. KWh

Fuel Consumption – 230.2 MW

Efficiency – 80 %

Estimated prime cost of electricity –
0.018 EUR / kWhel

Estimated cost price of thermal energy –
12.08 EUR / MWhth



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- Greenhouse
- Power Plant
- Construction
- Installation
- Design
- Administration
- Supervision
- Trainings
- Raw materials for first year

81 341 200 EUR

Investments



First year of operation

- Salary
- Heat
- Electricity

4 576 000 EUR

TOTAL 85 917 200 EUR

Financing from own funds - 15%
12 917 000 EUR

Financing from credit - 85% - 73 000 000 EUR

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Revenue

Sales prices:

Tomato – 3 EUR/kg
Electricity – 0.12 EUR/kWh
Heat – 36 EUR/MWh

Revenue per year:

Tomato – 34 632 000 EUR
Electricity – 909 600 EUR
Heat – 950 760 EUR

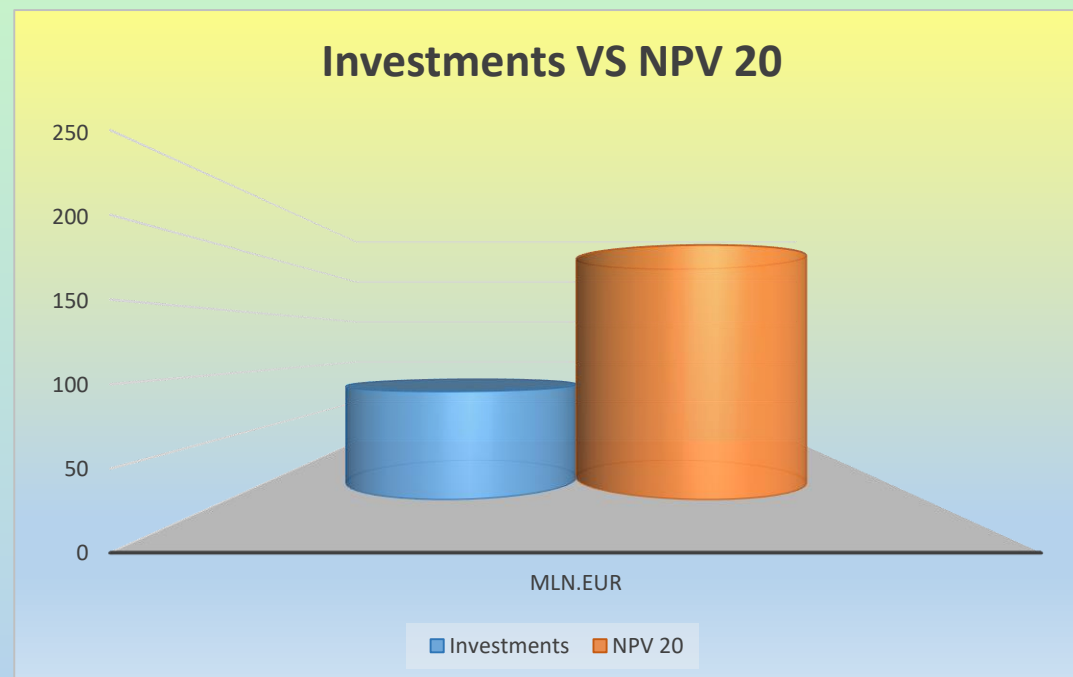
TOTAL per year 36 432 400 EUR



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Financial Indicators

IRR (cycle 20 years)	24.84	%
NPV (discount 5%, cycle 20 years)	201 483	t. EUR
Discounted payback period	5	years
Profitability Index	2.35	

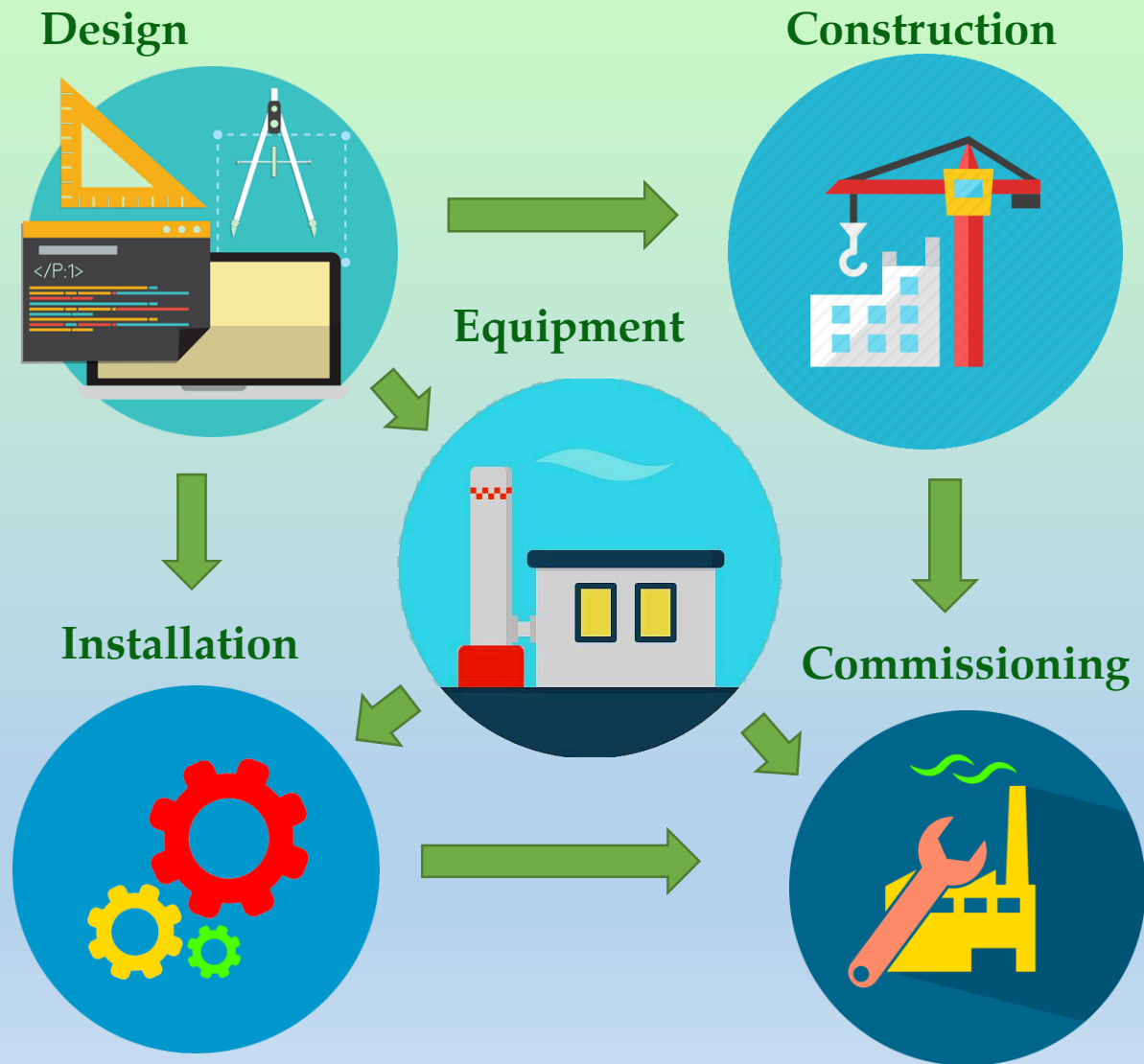
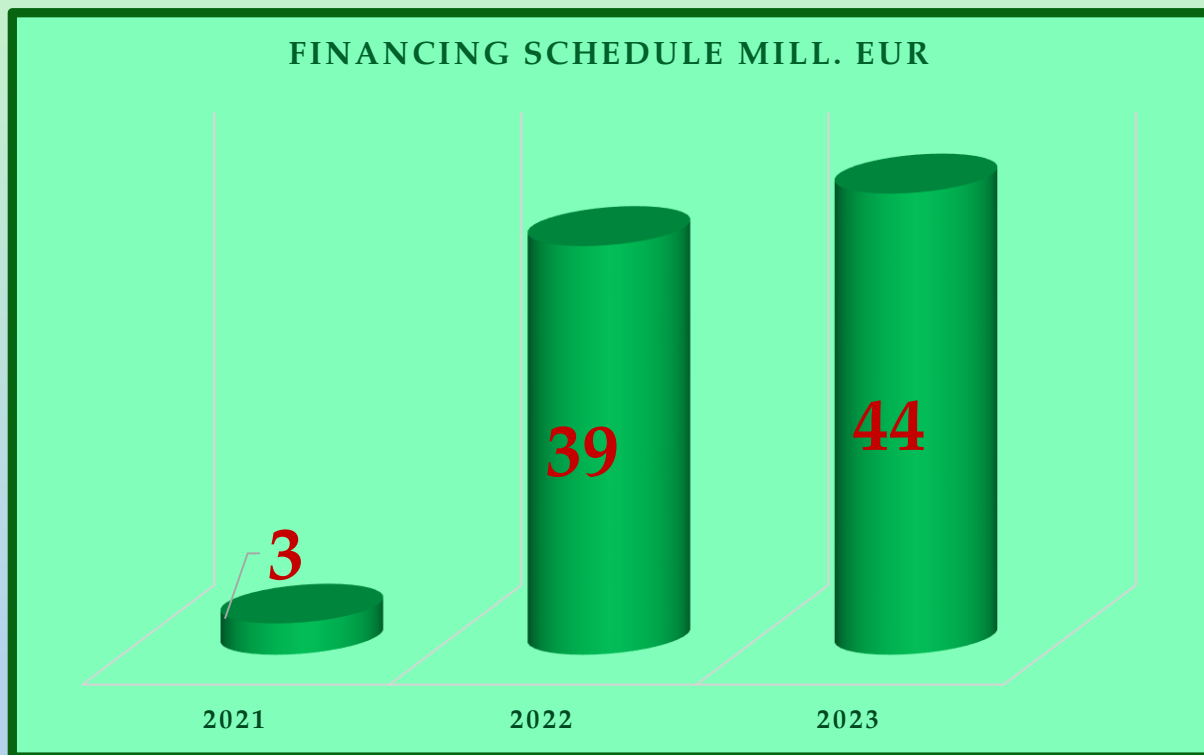


Profitability for 20 years - 234.5%



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Project Financing Schedule





Thank you!



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