Ministry of Smart Administration and Regional Development Republic of Latvia

Valmiera County Municipality

Ventspils County Municipality



Rēzekne State City Municipality

Ministry of Smart Administration and Regional Development Republic of Latvia

Ventspils County Municipality





Ventspils County municipality between 2 challenges – green goals and energy self-sufficiency

Ivo Lemšs
Deputy CEO
30.09.2026.



County – basic information

Area 2460 km^2	8% wetlands	20,9% agricultural land
4% water	**64% woods**	3,1% bushes

Ventspils County consist of 12 parishes (6 administrative units):

- Piltene city/parish and Zlēku parish
- Užavas and Jūrkalnes parishes
- Popes and Puzes parishes
- Vārves and Ziru parishes
- Ugāles and Usmas parishes
- Tārgales and Ances parishes

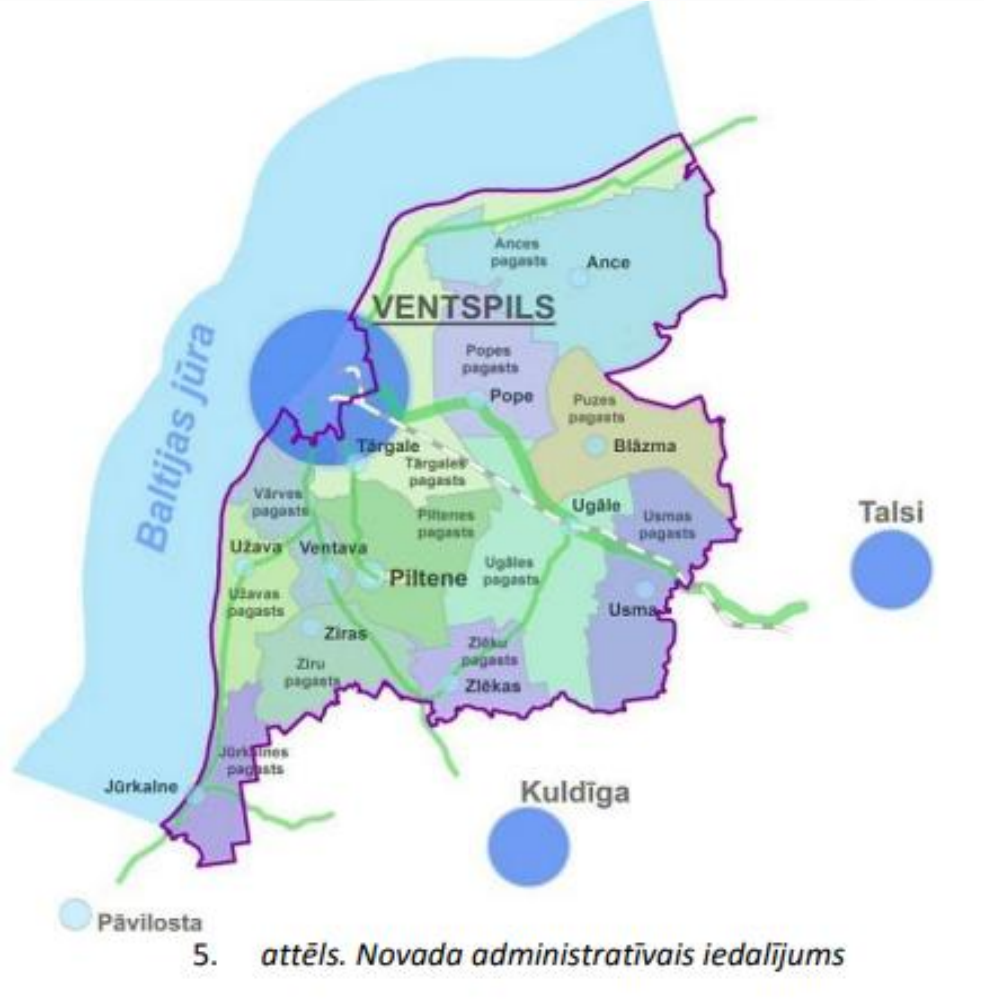
Municipality real estate portfolio

LAND		
Land status	**Number of land units**	**Area, ha**
Owned	856	3114,58
In possession and jurisdiction	1859	3007,38
Total	**2715**	**6121,96**

WATERS (PUBLIC)		
Type of public waters	**Number of land units**	**Area, ha**
Inner (lakes, rivers)	65	4858
Baltic Sea coastal waters	4	18584
Total	**69**	**23442**

VALUE OF MUNICIPALITY REAL ESTATE
41 milj. EUR

Baltic Sea coastal area



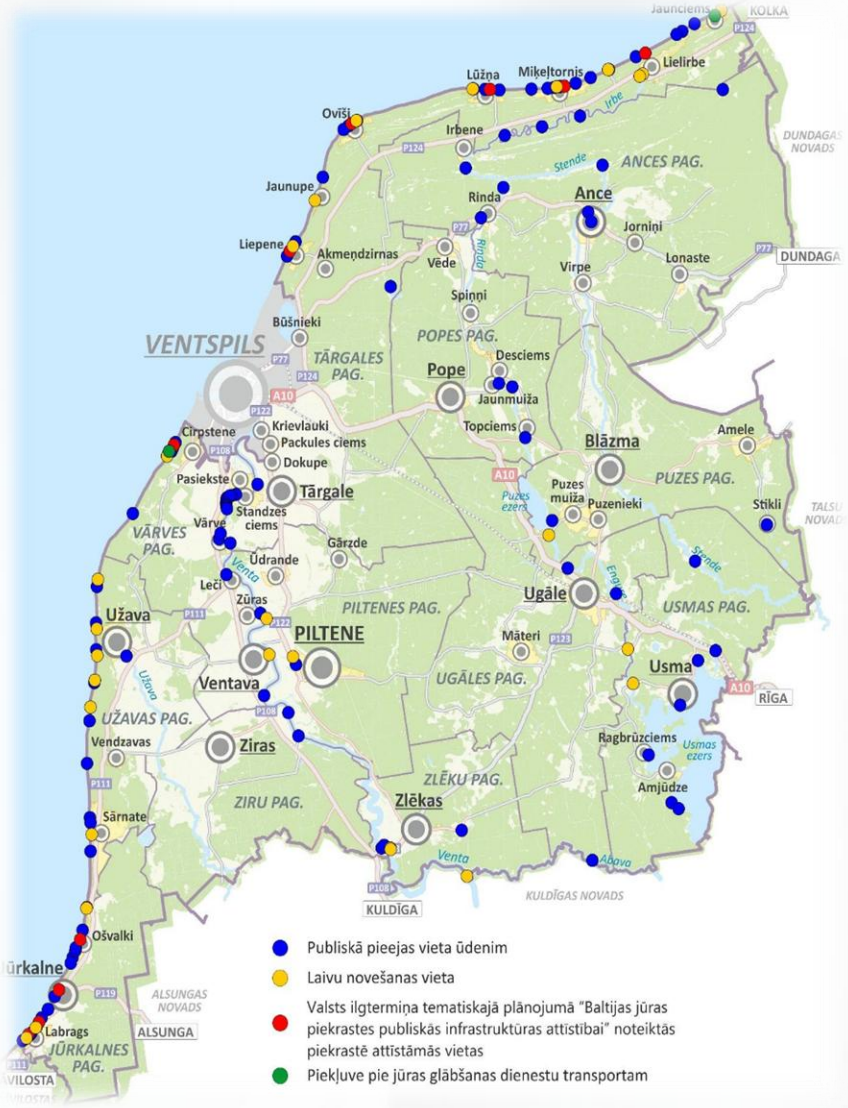
5. *attēls. Novada administratīvais iedalījums*

Within Ventspils County coast line is approximately **97 km** long:

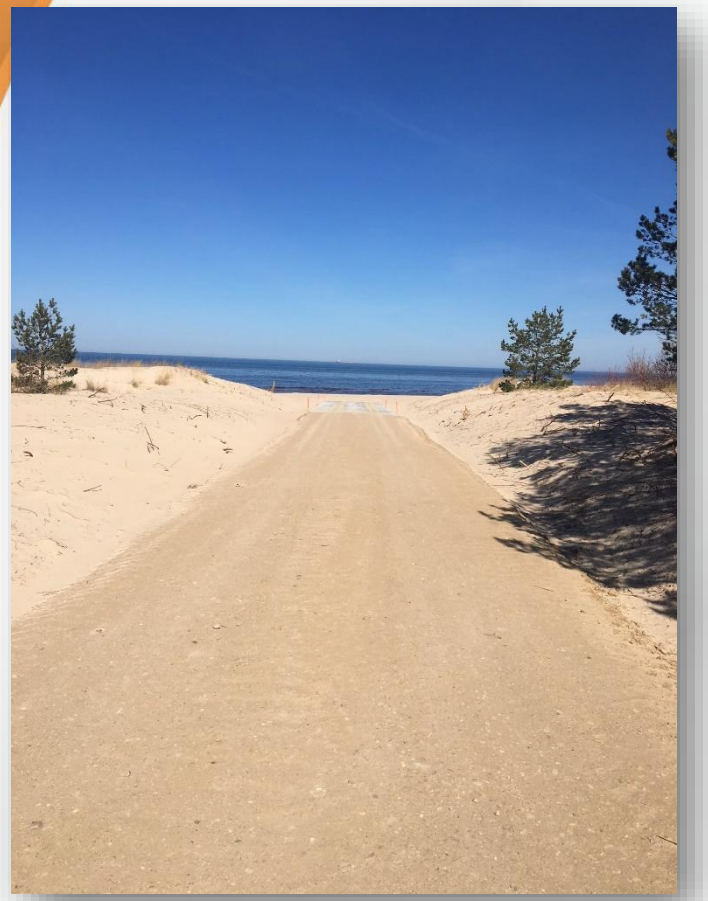
- Užava (25,5 km)
- Vārve (11,5 km)
- Jūrkalne (13,8 km)
- Tārgale (46,7 km)

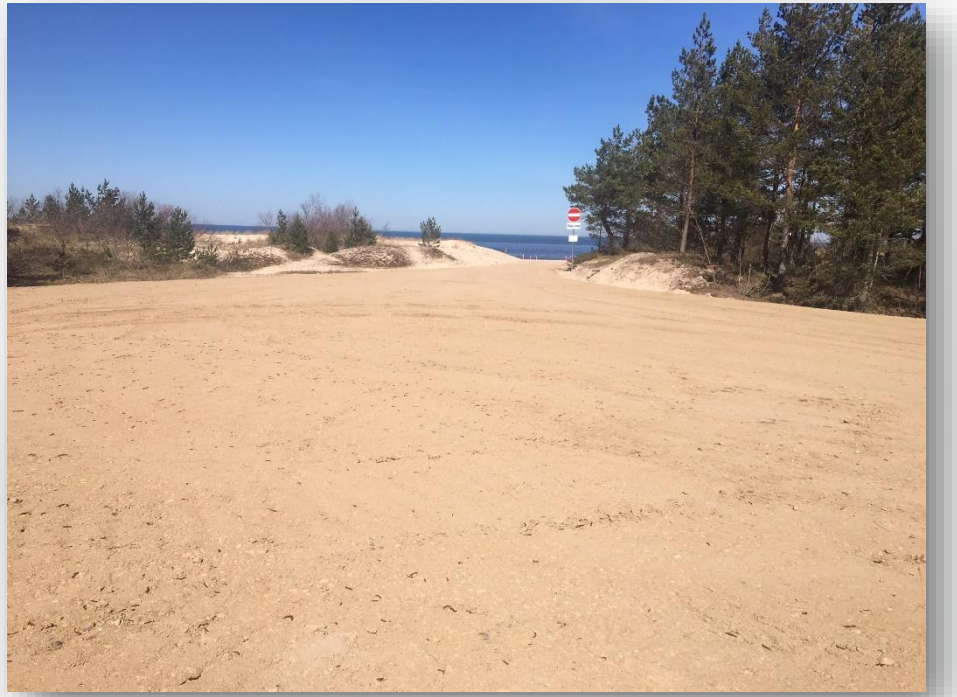
Access sites to waters

- 75 public access sites to waters
- 27 boat launching sites
- 10 developing sites next to coast
- 2 access sites for emergency services



Small village «Jaunciems» Tārgales parish







Practical acitivities in coastal parishes 2018–2026 (Jūrkalne, Užava, Vārve, Tārgale)









Practical acitivities in coastal parishes 2018–2026 (Jūrkalne, Užava, Vārve, Tārgale)





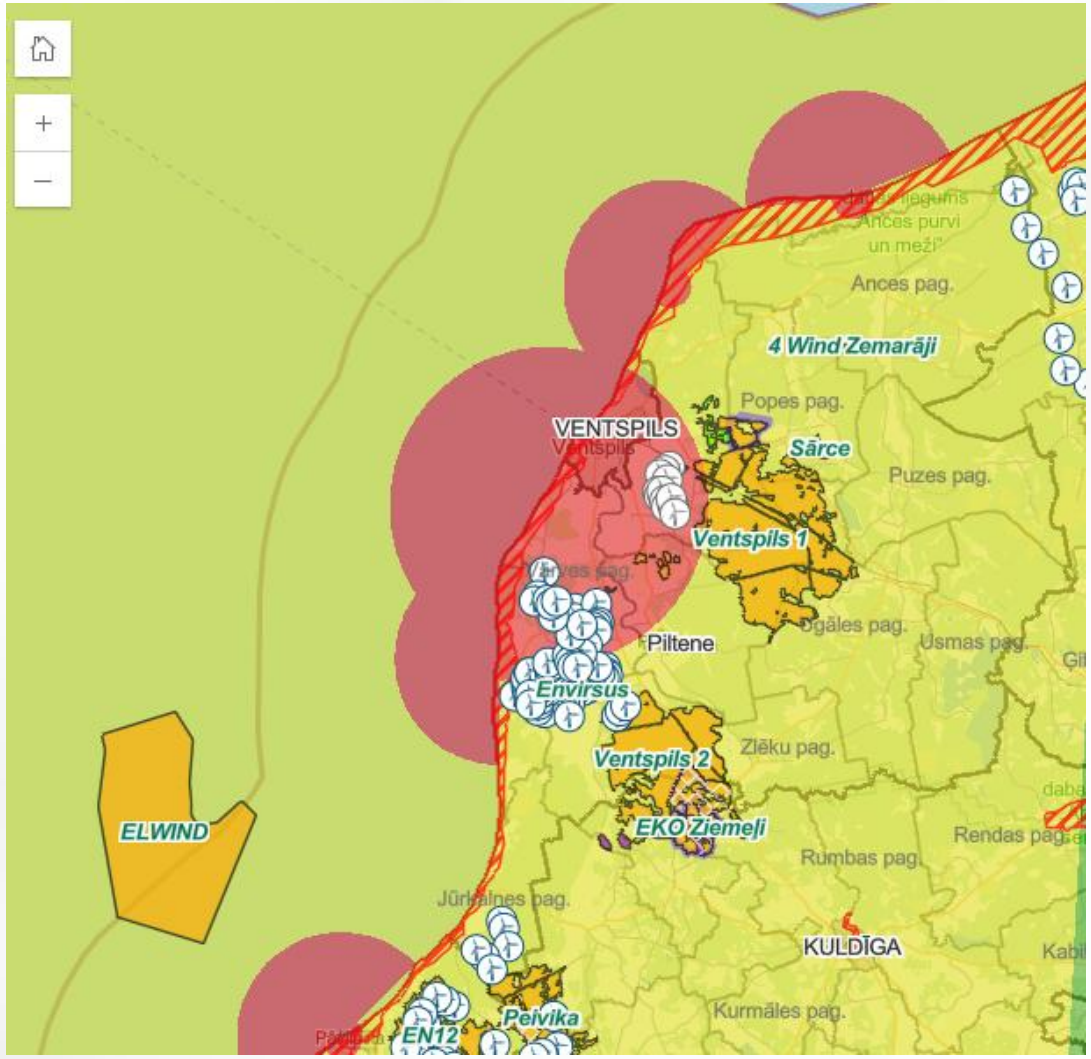
Environmental management

- **Permits:**
  - A [1], B [28], C [110]
  - GHG permits [0]
  - Water permits [16]
  - Natural resources usage permits
  - Waste management permits [2]
  - **Municipality has issued** app.35 natural resources usage permits (2006 - 2026)
- **Most challenging objects** – Ances waste water treatment plant un end-of-life vehicle processing facility
- **USMAS lake high water level (energy production in small scale hydro power station)**
- **Special protected areas**
- **Other environmental aspects** (natural resources, chemicals management, odours, noise, vibration, land, waste management) are not very problematic ones



RES

WIND – just ideas



Plānotie vēja parki

Plānotās turbīnas

VES izpētes teritorijas

IVN statuss

- Pabeigts
- Piemērots
- Tiek veikts

VES zonas (Aizsardzības ministrija)

nosaukums

- Vēja parku būvniecība ir iespējama, ja ir iespēja piemērot kādu kompensācijas mehānismu
- Vēja parku būvniecība ir pieļaujama un atbalstāma bez kompensējošu mehānismu piemērošanas
- Vēja parku būvniecība nav pieļaujama, būtiski traucē NBS funkciju veikšanai

Avots: https://kpr.maps.arcgis.com/apps/instant/sidebar/index.html?appid=8e73575a199143438f9af795318ff8c8

SUN

Developer: European Energy

- **138 ha** area
- **110 MW** input capacity
- **130 000 MW/h** production
- **~60 000** households* supply with electricity
- 27.11.2023. public meeting without mandatory requirement



Avots: https://ventspilsnovads.lv/?s=saules+elektro, https://lv.europeanenergy.com/

Energy production and installed capacity in Ventspils county

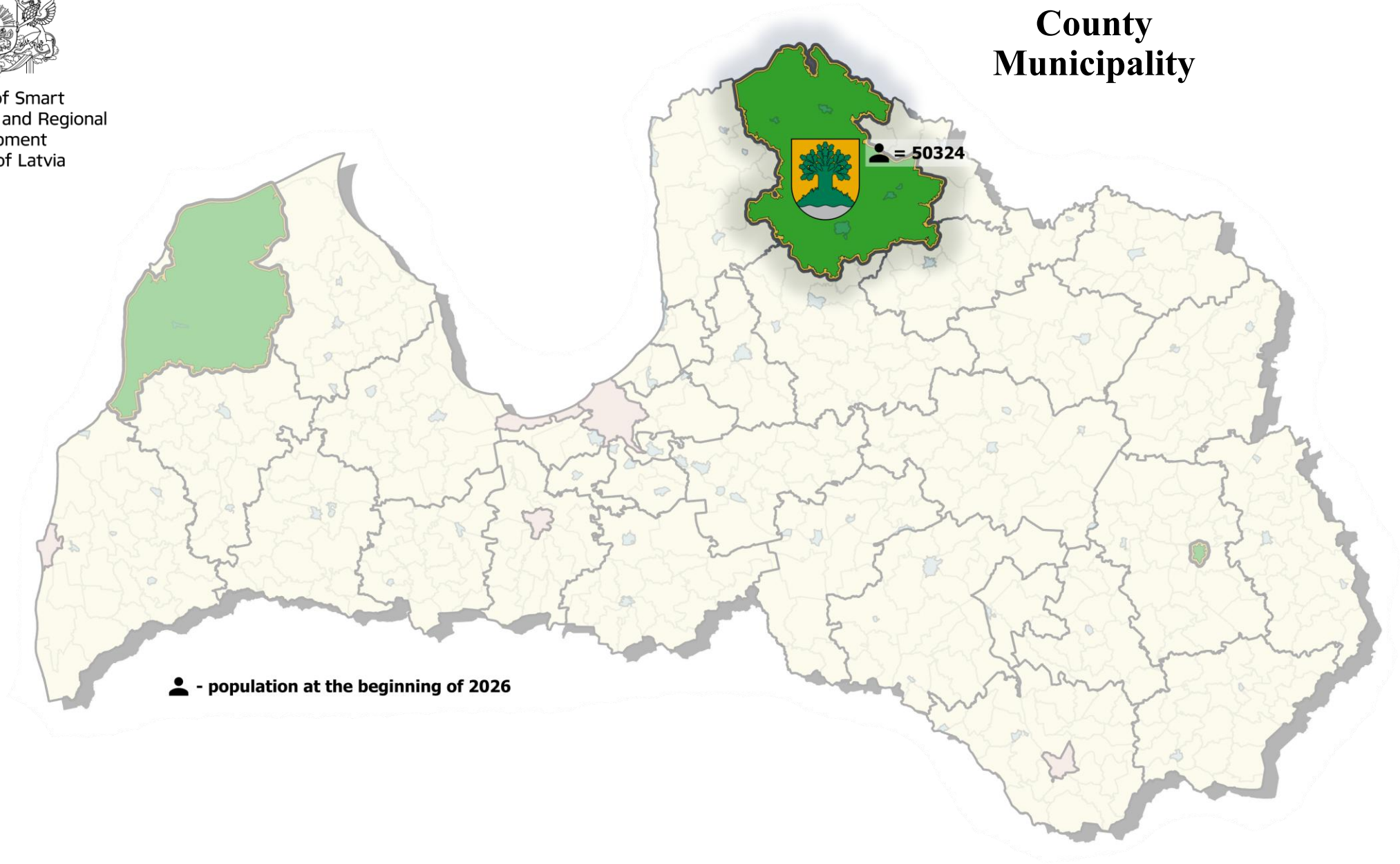
Energy production (type of the power station)	Number	Installed capacity (MW)	Export (MW)
Microgeneration (households)	223	1,822	1,822
Microgeneration (companies)	14	0,137	0,137
Wind	5	1,900	1,900
Hydro	2	0,200	0,200
Sun	11	2,810	2,614



Ventspils County municipality
Skolas street 4, Ventspils, LV-3601
http://ventspilsnovads.lv

Ministry of Smart Administration and Regional Development Republic of Latvia

Valmiera County Municipality



Climate governance and resilience in Valmiera Municipality:

from planning to implementation

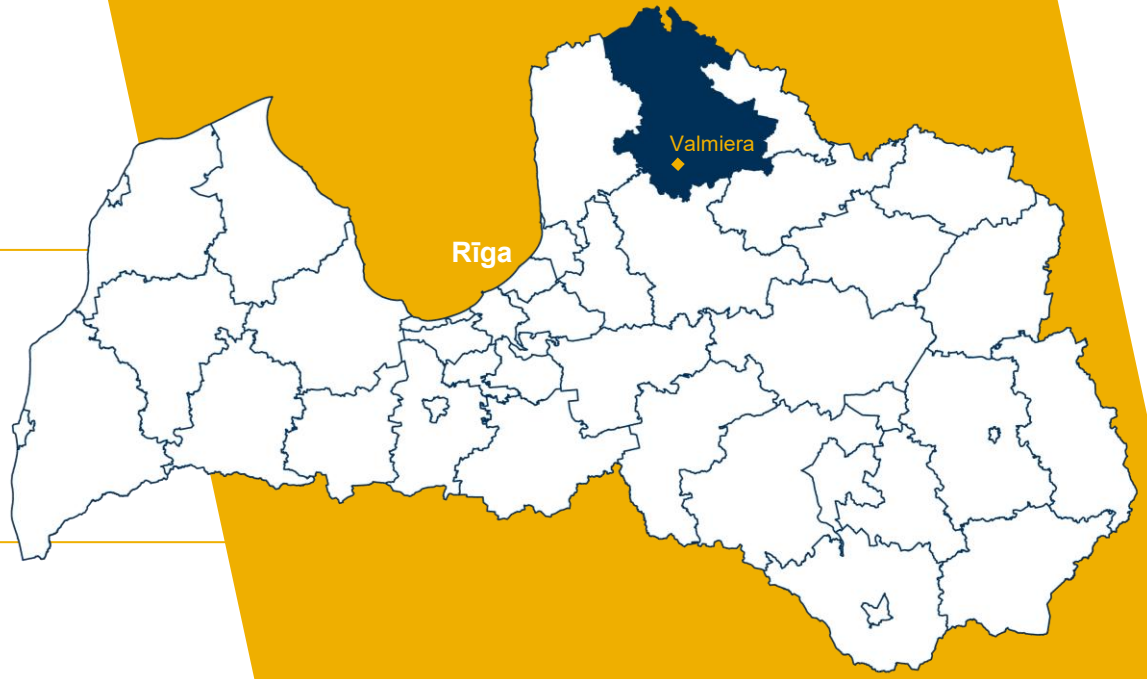


Valmiera	Valmiera county
Founded in **1283**	Founded in **2021**
19,35 km² area	**2946** km² area
23 720 Population	**51 816** Population

Valmiera (state city) as a development center

+ 4 cities (incl. Rūjiena, Mazsalaca, Strenči, Seda)

+ 26 parishes



VALMIERA



Valmiera City is an industrial city of national importance – it is the second leading city in the country in terms of per capita output and exports. The manufacturing industry represents **25% of turnover** in Valmieras region and **28%** in Valmiera City

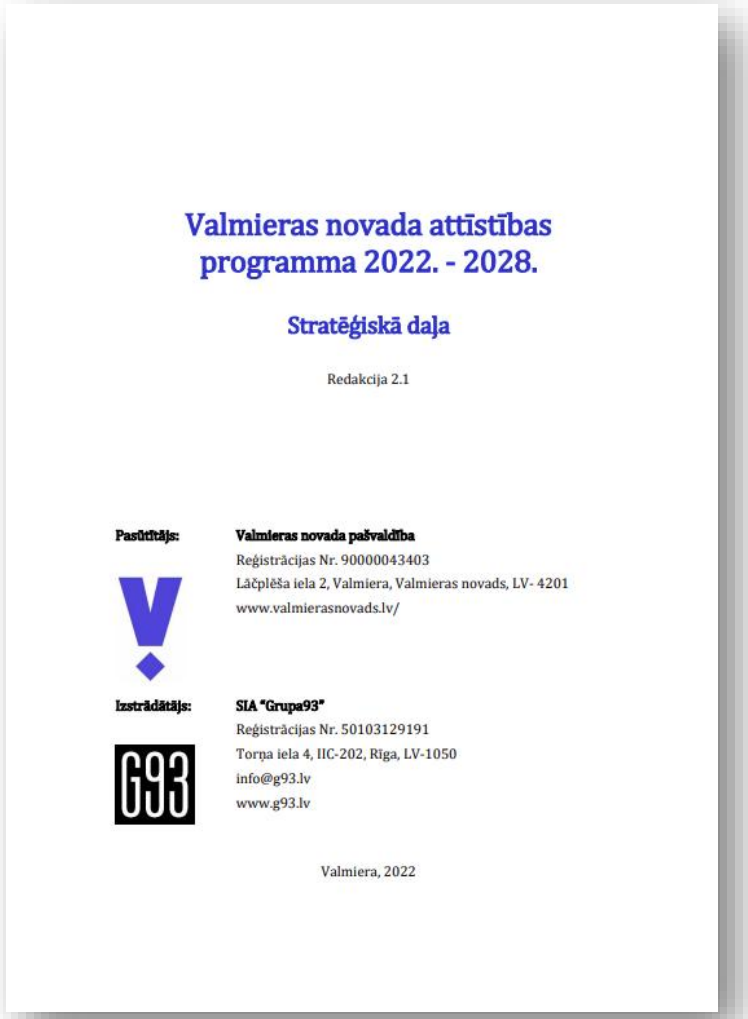
Valmiera City – Signatory of Coventant of Mayors since 19/03/2009

Valmiera County – Signatory of Covenant of Mayors since 24/08/2022

Covenant of Mayors for Climate & Energy EUROPE

VALMIERA

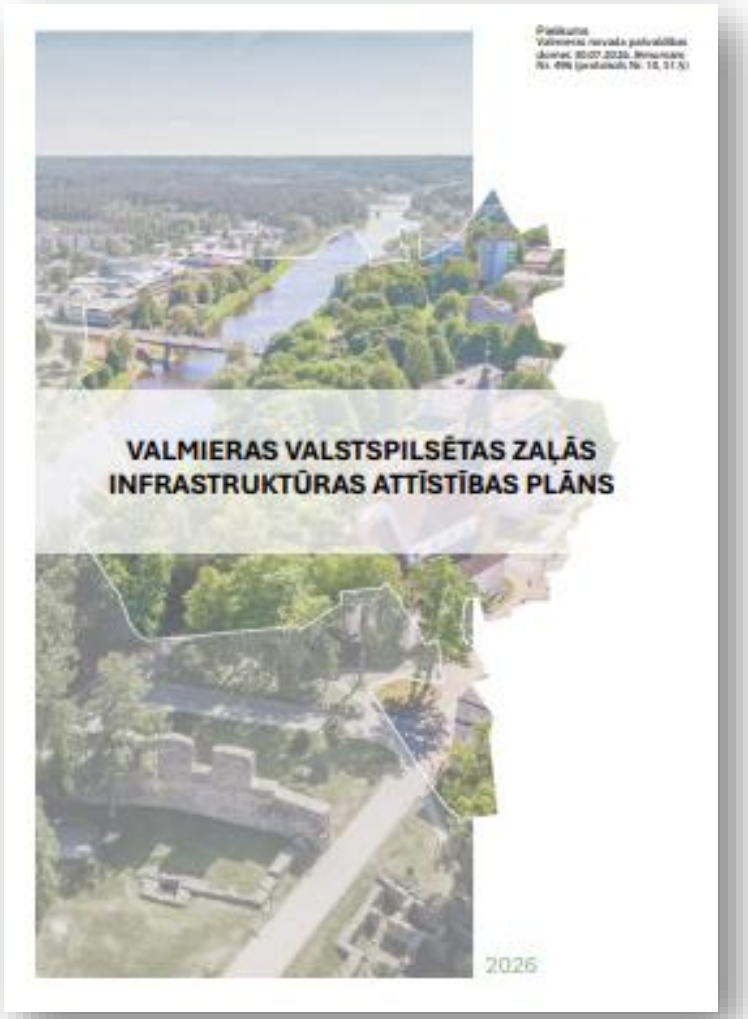




Valmiera Municipality Development Program



Valmiera Municipality Sustainable Energy and Climate Action Plan



Valmiera City Green Infrastructure Development Plan

VALMIERA

Multi-apartment residential buildings in Valmiera

Number of apartment buildings in Valmiera – **235**

47% or 101
Fully renovated apartment buildings in Valmiera

Average heat energy consumption in the city:

- **Year 2005. – 105 366 MWh**
- **Year 2024. – 83 357 MWh**

The first apartment building in Valmiera was renovated in 2004 without European Union co-funding (1 Jāzepa Vītola Street).

VALMIERA



Rīgas Street 18, Valmiera (2017 - 2018)

- Building renovation in 2018 including solar collectors on the roof for water heating
- Total costs EUR 265,146
- Support 50%



VALMIERA

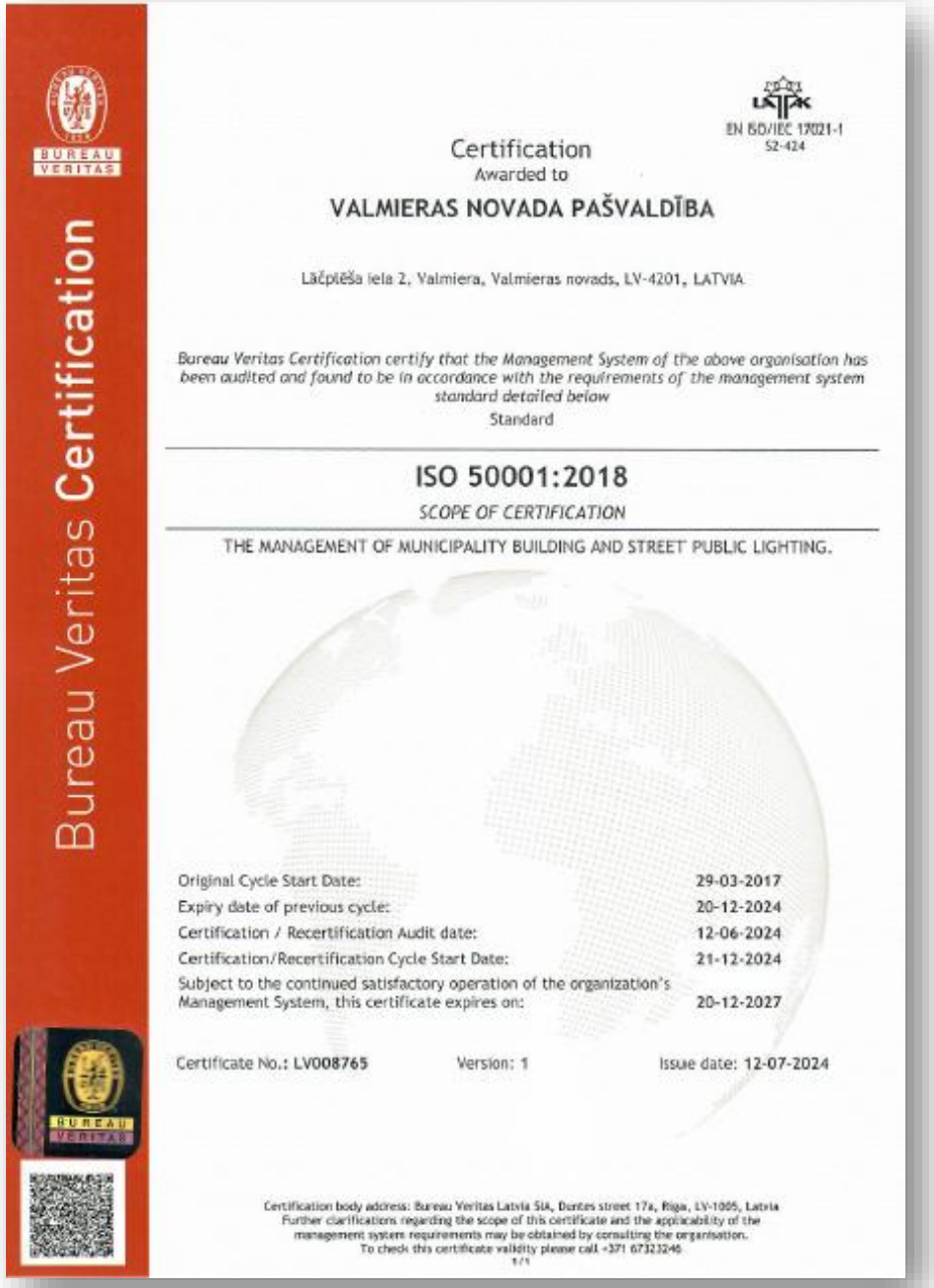
Municipal regulation No. 23

“On the amount of co-financing by the Valmiera Municipality Government and the procedure for granting it for energy efficiency measures in residential buildings, improvement of associated land plots and renovation of buildings”

Energy efficiency

80%	50%	50%
Energy certification of the building	Energy efficiency measures	Development of construction project

VALMIERA



Low energy consumption municipal rental houses

120 apartments completed in 2025

150 apartments completed in 2018





VALMIERA

Implemented by the capital company of the municipality of Valmiera

SIA VALMIERAS NAMSAIMNIEKS

Renovation of municipal buildings

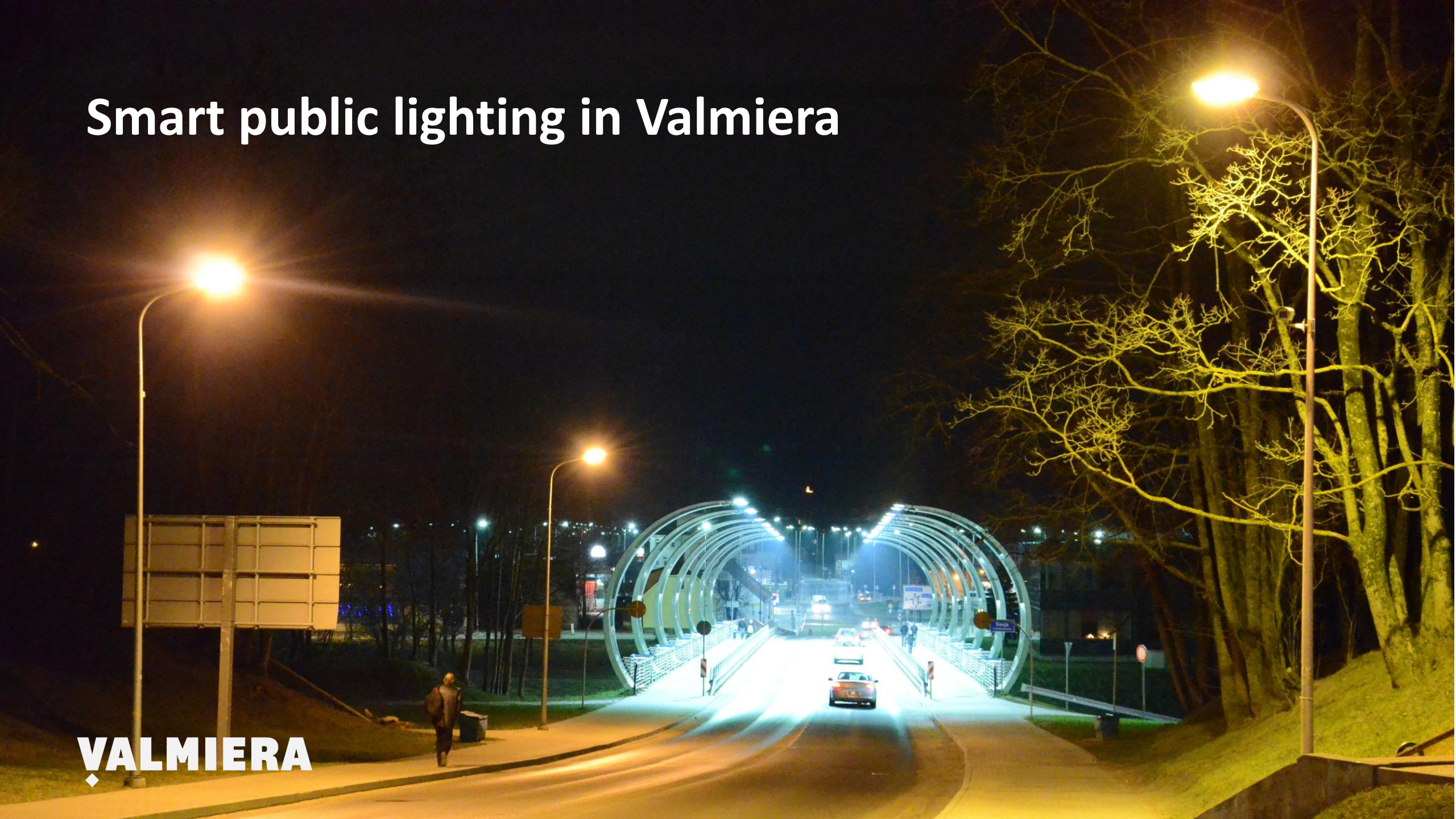








Smart public lighting in Valmiera



VALMIERA

Valmiera Vocational Secondary School

- The modern educational institution **works closely with employers and industry**. At the request of employers the educational institution develops additional educational programs and courses.
- This school is a **leading educational institution** developing innovative virtual reality training materials and training programmes for international **metalworking companies** in the international "Engine" project.
- Adult education programms

Number of graduates year 2024/2025 **131**

VALMIERA

STEM PROGRAMS



PROGRAMMING TECHNICIAN



RENEWABLE ENERGY TECHNICIAN



LOGISTICS WORKER



MECHANICAL ENGINEERING TECHNICIAN



(CNC) INSTALLER



FOOD PRODUCTION TECHNICIAN



MAG (METAL ACTIVE GAS) WELDING



MECHATRONIC SYSTEM TECHNICIAN

Vidzeme University of Applied Sciences

One of the biggest universities outside Riga is located in Valmiera.

Vidzeme University of Applied Sciences is an important cooperation partner for companies and employers, providing the highest level specialists in the labor market.

Core Competences:



- Information Technologies
- VR/XR
- Cybersecurity
- **New building school**
- **Mechatronics**
- Business administration
- Communication, media, governance
- Travel and leisure
- Sustainable construction of buildings

Number of graduates year 2024/2025 **103**



The activities of the VR/ AR Laboratory:

Industrial training. Scenarios of installation, dismantling, control and maintenance. Urban planning and architecture. Augmented reality solutions for outdoor and indoor use etc.

Valmiera Green Infrastructure planning FRAMEWORK

Global climate change, extreme weather events (heatwaves and heavy downpours)

Valmiera has experienced an increase in such phenomena that **burdened the city's engineering infrastructure**



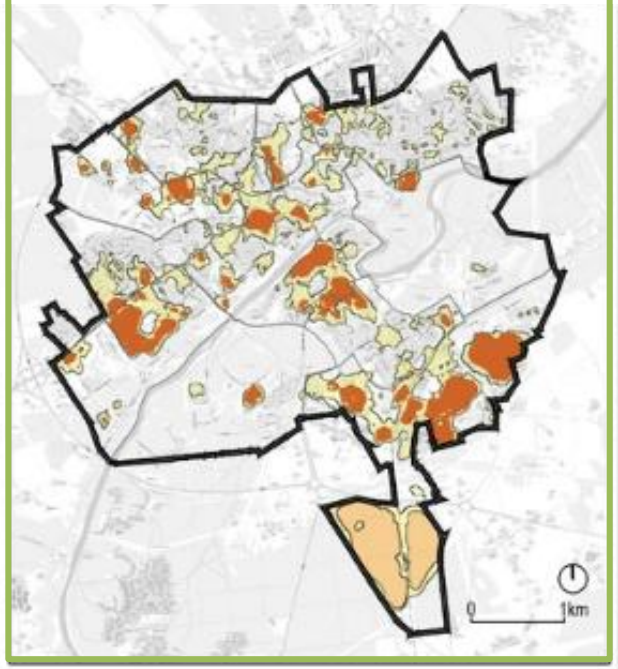




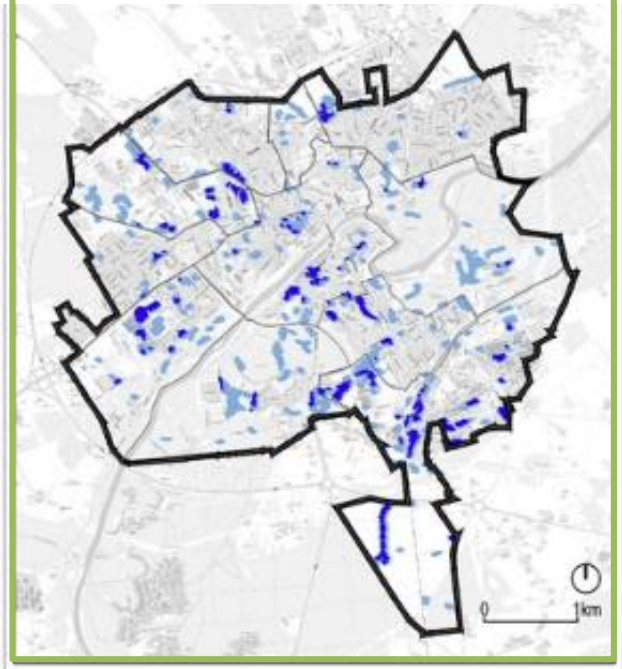
Valmiera Green Infrastructure planning FRAMEWORK

Need to strengthen the **climate resilience of the urban environment** by adapting infrastructure solutions to changing environmental conditions and reducing the potential impact of risks on residents and the quality of the urban environment

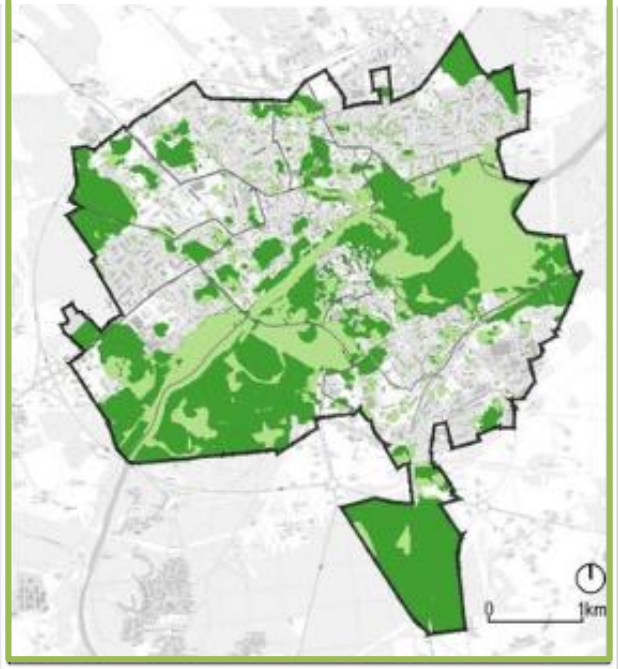
Heatfrost assessment



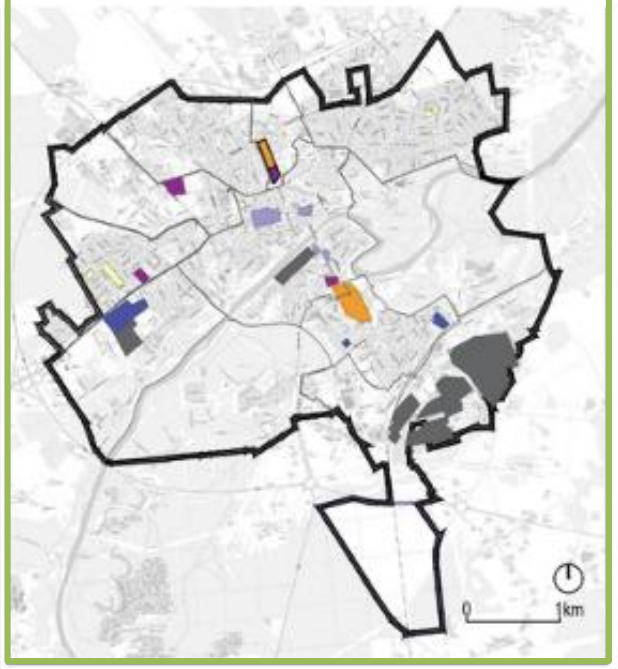
Flood risk assessment



Green infrastructure assessment (environmental regulation)



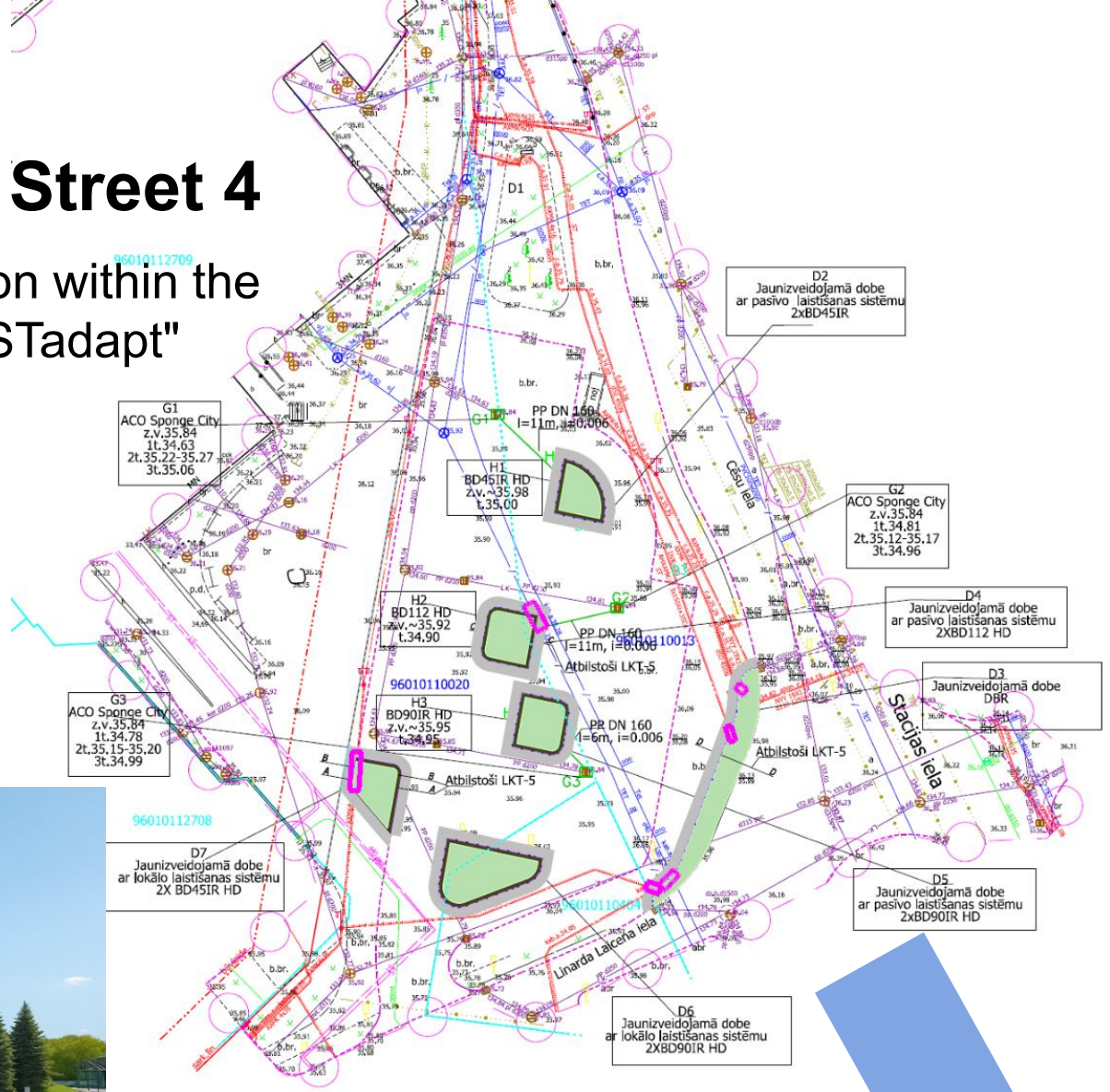
Designated places where nature-based solutions are primarily applied



Parking lot reconstruction | Cēsu Street 4

Demonstration of a significant nature-based solution within the framework of the international project "LIFE LATESTadapt"

The main goal of the reconstruction is to innovatively integrate natural elements into the urban environment accumulation and area overheating during the summer monthsby transforming existing squares to practically and sustainably address rainwater





VALMIERA

Gauja riverbank promenade

Construction works for the creation of the Gauja riverbank promenade on the section of Plostnieku Street from Ziedu Ravine to Gaujas Street 7

Continuation of the promenade along the coastal strip from Gaujas Street 7 (nine-story buildings) to Valmiera Music School (2026-2027)

Right bank promenade of the Gauja River section from the Narrow-Gauge Railway Bridge to the Flower Trench (until 2029)







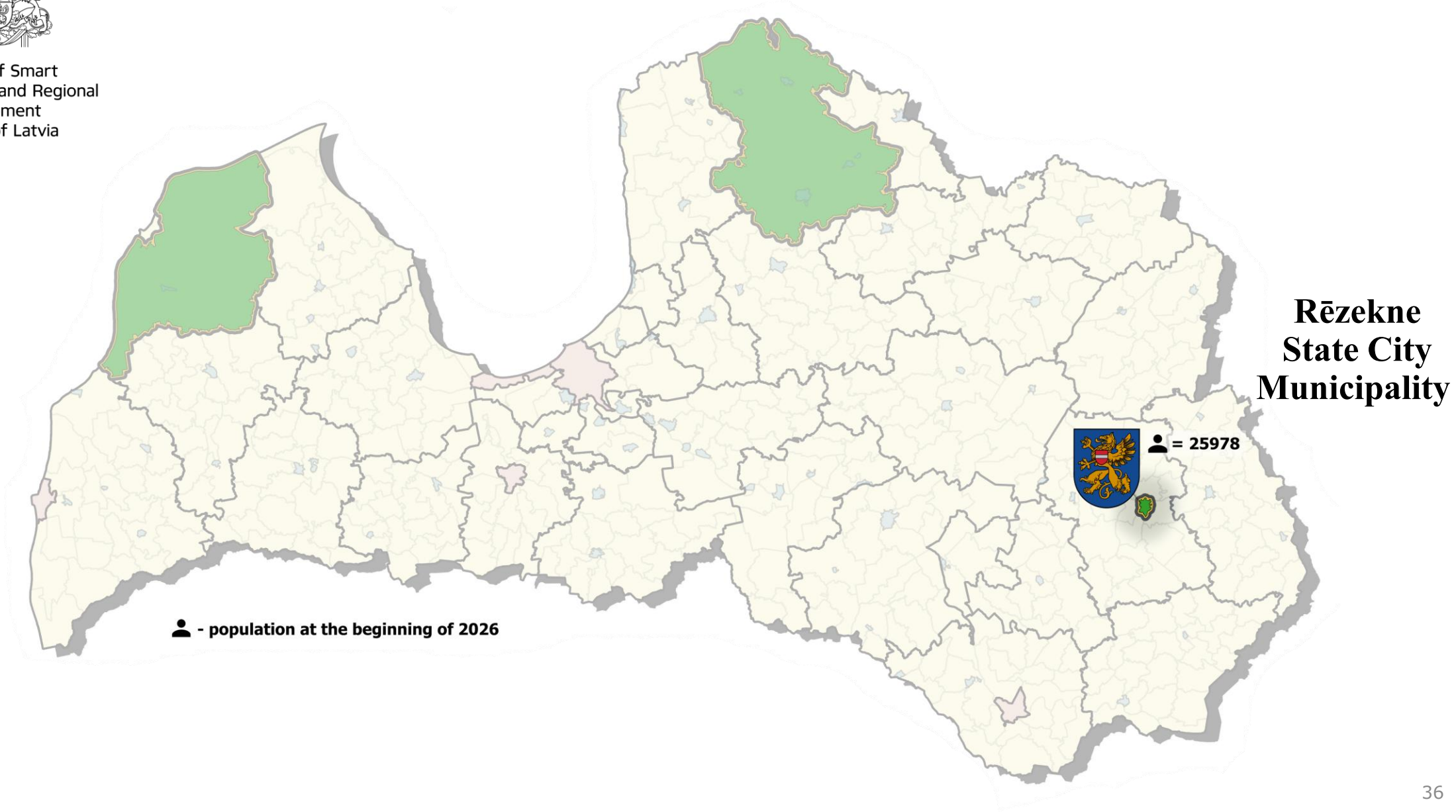
VALMIERA

Climate governance and resilience in Valmiera Municipality:

from planning to implementation



Ministry of Smart Administration and Regional Development Republic of Latvia



Energy management and monitoring system (EMMS) In Rezekne City Municipality

energy manager: Daina Bārdule

EMMS – main scopes



- energy consumption and analyzing of obtained data

- to identify need of measures for energy efficiency in facilities
- to develop a monitoring plan for energy efficiency indicators in order to arrange new measures
- to evaluate the implemented measures aimed at improving of energy efficiency
- to reduce energy bill costs and point saved funds at equal goals

EMMS - monitoring



1. Digitization of data obtained from objects

2. Monitoring of energy consumption 24/7 to assess whether and how efficiently heating and light were consumed, whether the consumption corresponds to the functions and using aims of the definite building

3. Hourly data recording allows to "catch" technical problems within 1 day

PILOTPROJECT- remote control of heating substations

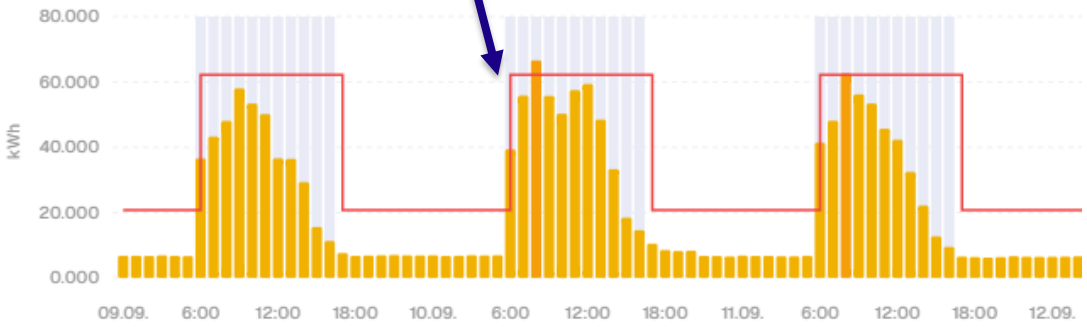


Monitoring 24

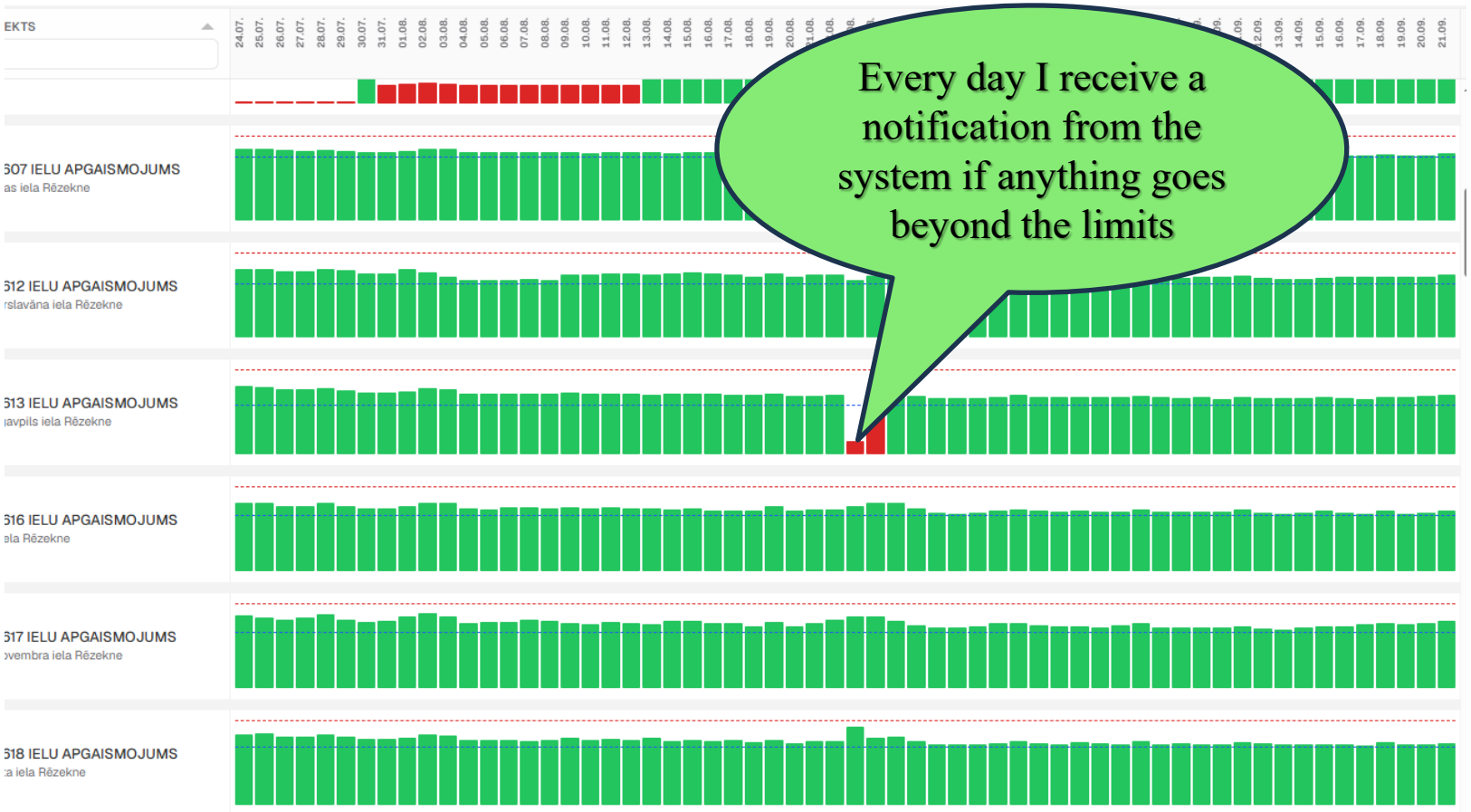
Building operating hours settings that determine energy consumption

Hourly energy consumption - light





Street lighting monitoring



Maximum and minimum hourly consumption



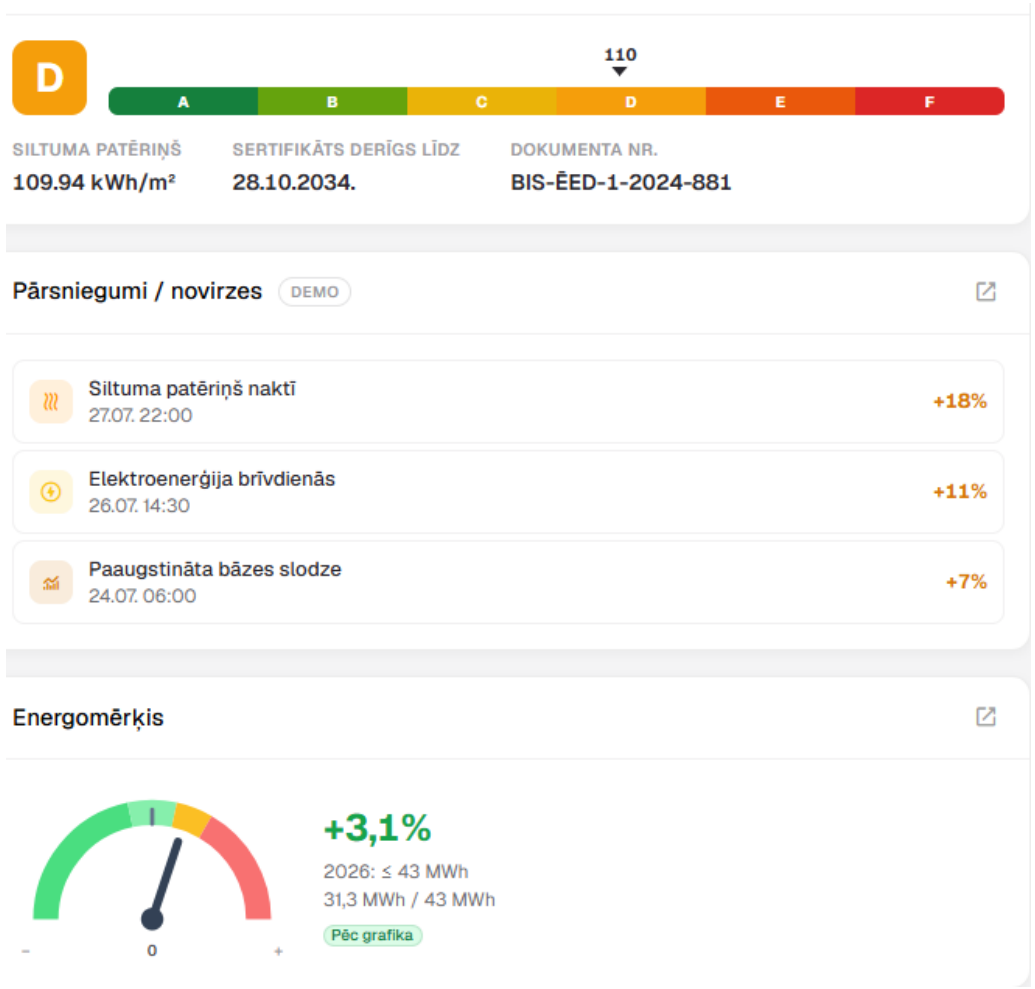
Operational activity on a daily basis

If the daily consumption is exceeded, responsible persons receive an e-mail notification and a mobile alert.

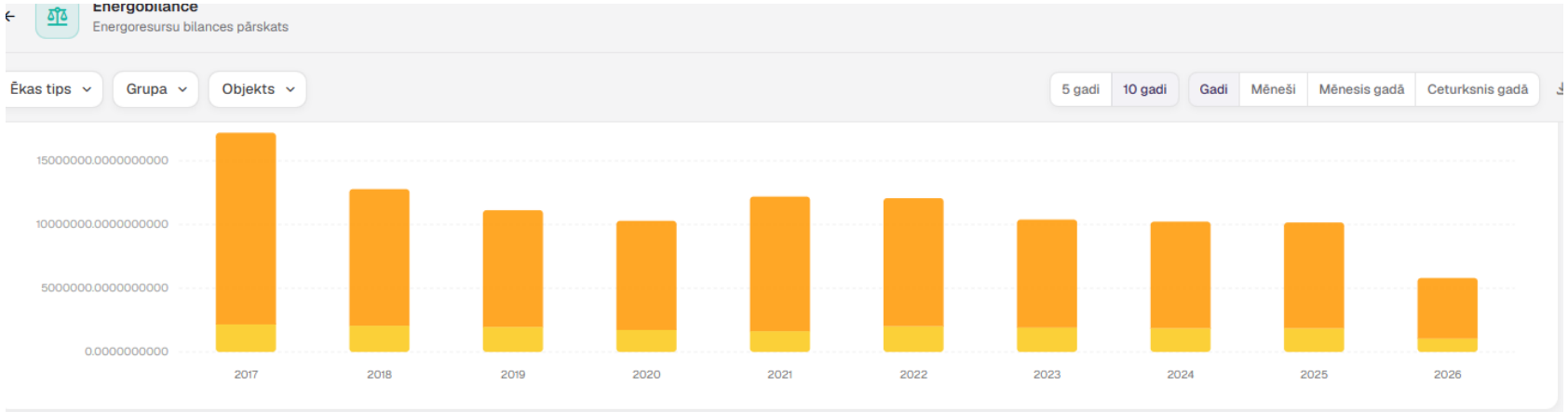


How to fulfill set goals?

Example of council building - digital tool has connection with installed clock in each object, which shows whether set goals can be achieved on an annual basis (future forecasts) by currentenergy consumption.



Full visibility of the energy and resource balance across all municipal facilities



Kopsavilkums pa gadiem

Gada kopsummas, ēku skaits ar datiem, to platība un izmaiņas pret iepriekšējo gadu.

Gads	Siltums	Elektrība	Kopā kWh	Ēkas	Platība m²	kWh/m²	Izmaiņas
2017	15 047 421	2 155 462	**17 202 883**	37	86 971	197,8	–
2018	10 720 018	2 059 334	**12 779 352**	38	88 314	144,7	-25,7%
2019	9 165 720	1 960 055	**11 125 775**	38	88 314	126	-12,9%
2020	8 565 710	1 721 466	**10 287 177**	36	72 856	141,2	-7,5%
2021	10 564 352	1 626 381	**12 190 733**	37	73 504	165,9	+18,5%
2022	10 054 735	2 013 929	**12 068 665**	38	73 656	163,9	-1%
2023	8 478 013	1 909 602	**10 387 614**	38	77 939	133,3	-13,9%
2024	8 368 170	1 857 584	**10 225 753**	37	76 670	133,4	-1,6%
2025	8 303 723	1 856 541	**10 160 264**	39	77 938	130,4	-0,6%
2026	4 754 473	1 048 981	**5 803 454**	116	83 514	69,5	-9,4% 9 mēn.
Kopā	**94 022 335**	**18 209 336**	**112 231 671**	**118**	**99 593**	–	–

Audit



- internal audit - performed every year (consultant - auditor - external service)
- certification audit - performed once every 3 years
- monitoring audit - every year (outsourced)
- regular inspection of objects and their compliance with ISO requirements
- responsibility - energy manager

Practical part –
contract with service provider

- Used platform www.metbox.cor
- Provided service – maintenance of building heating units, ventilation systems, street infrastructure lighting



Thank you for your attention

Contact:
daina.bardule@rezekne.lv