Energy Management System in Municipality of Saldus

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SEAP 2014 – 2020

- Defined High and Medium and Low potential EE measures
- **20%** of CO₂ reduction by **2020** based on 2008th

SECAP 2020 – 2030

- Defined **High** and **Medium** potential EE measures
- 40% of CO₂ reduction by 2030
 based on 2008th

Energy Management System

Established in **2018** Certified According ISO 50001 in **2019** Energy management..

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 How to convince yourself, colleagues and management that what you are doing is necessary for the municipality?

• Do I understand anything at all from it?

Where should we start from?

- To counter the argument that the energy manager's salary will exceed the savings generated in EUR by the municipality!
- Forever and ever "excel" or some nowadays solution?

The objective is to decrease energy consumption by change of the behaviour of energy users without negatively impacting operational parameters or comfort





Saldus novads

Energy consumption in the building (MWh per month) depending on the outdoor temperature



Buildings



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 ~ 2018 Monthly building specific energy consumption (kWh/m²) and comparison with previous years



MONITORING SYSTEM

Municipal fleet

Total heat energy and electricity consumption (MWh/year). Annual specific energy consumption (kWh/ m^2 year)



Costs of energy (EUR/year)



EnMS deviation, %



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But how to reduce / stabilise energy consumption?

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I Proper use of district heating units / boilers

Il Indoor monitoring

III Motivation system

IV Increase efficiency, energy metering and RES



EMS has been introduced since 2019th and so..

- Can I tell you how much the municipality spends on energy monthly, yearly? MWh = €?
- Would I know which buildings consume the **most / least** energy?
- Would I be able to influence the use of investments in the development of municipal infrastructure?
- How much is it? Within the framework of the energy crisis plans to reduce energy consumption by **at least 10%?**
- Can I measure the progress?



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