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Tartu Research Project


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Overview:

- Finding the needed brick buildings.
- Collecting the data about previous years consumed energies (heat, water, electricity).
- Analyzing the energy consumptions and give a short overview fo each building.
- According to the results of analyzes, choose two buildings for a detail research.
- Final report.


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Finding the Needed Buildings:



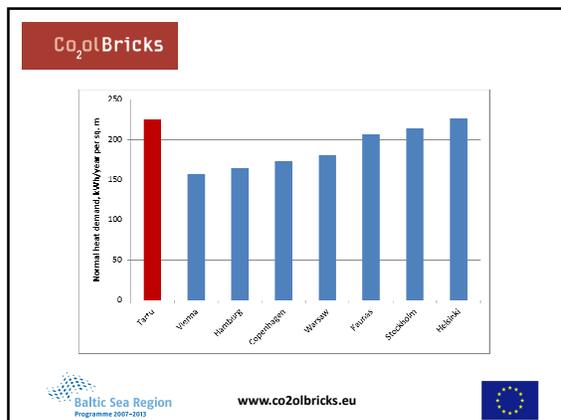
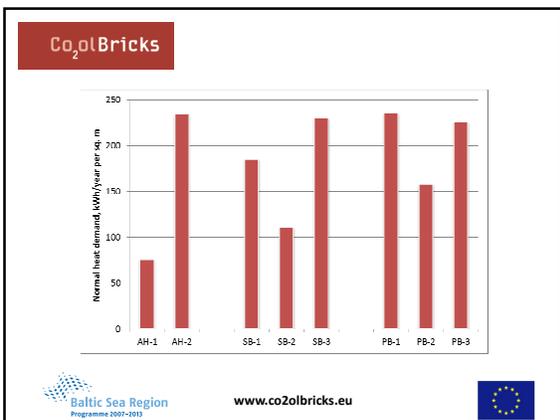

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Collecting the Data:

- **Groups of building under research:**
 - Apartment houses (5...7 buildings)
 - School-buildings (6 buildings)
 - Public buildings (6...8 buildings)
- **Monthly Consumed energies for past 3 years of:**
 - Heating
 - Electrical
 - Tap-water


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Analyzing the Buildings in Detail:

- Air tightness (leakage) test
- Thermographical analyze
- Measuring indoor climate (approx. 1...1,5 years)
 - Temperature
 - Humidity
 - CO₂- level
- Measuring technical systems
- More....

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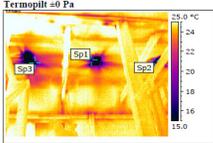
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Termopilt ±0 Pa

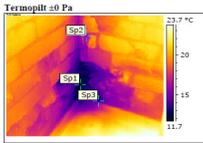



IR Text Comment	Value
Sisetemperatuur, +°C	24.2
Välisistemperatuur, +°C	3.1
Label	Value
Sp1	14.1 °C
Sp2	15.6 °C
Sp3	13.5 °C
fRsi1	0.52
fRsi2	0.59
fRsi3	0.49

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Termopilt ±0 Pa

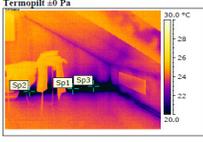



IR Text Comment	Value
Sisetemperatuur, +°C	26.1
Välisistemperatuur, +°C	2.9
Label	Value
Sp1	11.7 °C
Sp2	15.9 °C
Sp3	13.6 °C
fRsi1	0.38
fRsi2	0.56
fRsi3	0.46

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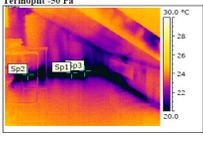
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Termopilt ±0 Pa



IR Text Comment	Value
Sisetemperatuur, +°C	24.2
Välisistemperatuur, +°C	3.1
Label	Value
Sp1	14.2 °C
Sp2	16.1 °C
Sp3	15.7 °C
fRsi1	0.53
fRsi2	0.62
fRsi3	0.60

Termopilt -50 Pa

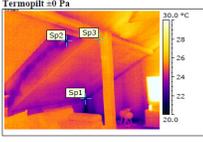


IR Text Comment	Value
Sisetemperatuur, +°C	24.2
Välisistemperatuur, +°C	3.1
Label	Value
Sp1	9.7 °C
Sp2	13.7 °C
Sp3	11.0 °C

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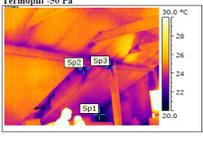
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Termopilt ±0 Pa



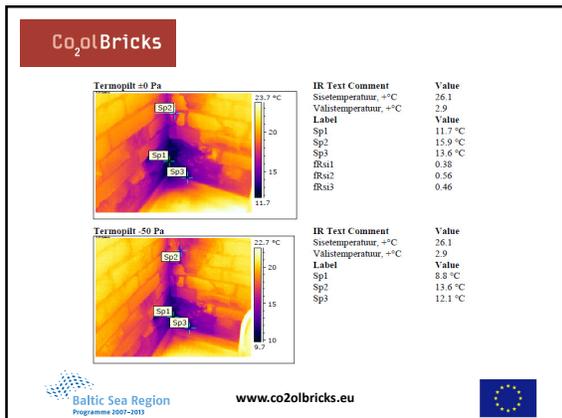
IR Text Comment	Value
Sisetemperatuur, +°C	24.2
Välisistemperatuur, +°C	3.1
Label	Value
Sp1	21.6 °C
Sp2	21.7 °C
Sp3	25.3 °C
fRsi1	0.87
fRsi2	0.88
fRsi3	1.05

Termopilt -50 Pa



IR Text Comment	Value
Sisetemperatuur, +°C	24.2
Välisistemperatuur, +°C	3.1
Label	Value
Sp1	20.4 °C
Sp2	20.4 °C
Sp3	18.6 °C

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Thank you!

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