# Notes 21.11.

How to calculate the saved energy?

There has to be a feature in the program that the admin can insert the electricity, water and heating prices and change them easily if needed.

Is it possible that the program can receive information from excising programs?

At the moment the existing programs send e-mails if the consumption crosses the alarm limits. It would be easier if other programs can be integrated in it.

In the program there should be alarm limits: if the consumption differs from normal x % it sends an alert to the admin, property manager and janitor. We have to ask the partner if the alert should be sent automatically or do they first want to check it if it´s just because a systematic error in the calculations.

When you see an alarm and click it there should be a link that takes you to another program where the devices can be adjusted from distance e.g. Oman’s.

The janitor’s side: the message and taking the job features can be deleted. He/she just needs to see the alarms, consumption info and charts.

Good number for following energy used to heating: how many watts of energy is needed per cubic meter per one changing degree in the outside temperature in an hour. That should be in the program because it makes it possible to calculate the heating need and changes in temperatures can be taken into account.

The property manager doesn't have to send any messages

What kind of info property managers and janitors should see?

Statistics and charts: heating, electricity, water. Alerts if something is wrong and message what is wrong and also what the company is doing to fix it. Energy usage per year, month, week, day and hour (if we have real time data). Saved money, energy usage compared to previous time periods

At the moment most janitors don´t have smart phones and they have no access to a computer. Instead they get the alerts by text message. That would be a good feature in our software too: they just get an SMS e.g. go to building x and check the heating machine.

We have to be able to tell how much money the customer saves because of the program 🡪 show the benefits clearly. E.g. If a problem is detected how much it costs (how much energy would be used) if it is not fixed. How much money is saved because of adjustments made to machines during the month vs. the price of the service.

There should be a possibility to **insert data manually and automatically** in the program. Distance reading can't send a rapport automatically. The admin has to first check it before it is sent to the customer.

We have to understand **the heating need calculations**. It is an essential part of the program because heating need and the consumption changes when the temperature changes 🡪 consumption have to be made comparable by the calculations. If it´s not done there is no point in comparing energy used in heating because it differs so much because of the water.

The business side

We have to think who the ideal customer is and how to sell the solution.