seluxit

We enable **sustainable** future
by making it **easy** for our customers
to **save** resources using **IoT** technology

+500 000
devices

Seluxit-powered products and
sensors on our IoT platform

HIGH
availability

The Seluxit IoT platform has
typically less than 1 hour of
downtime per year

+7 billion
transactions

Monthly messages and actions
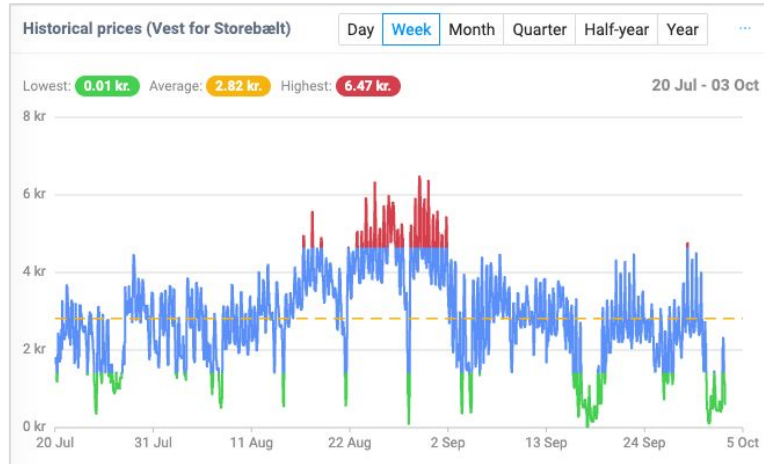from devices on our IoT
platform

93
countries

With IoT devices connected to
the Seluxit IoT platform
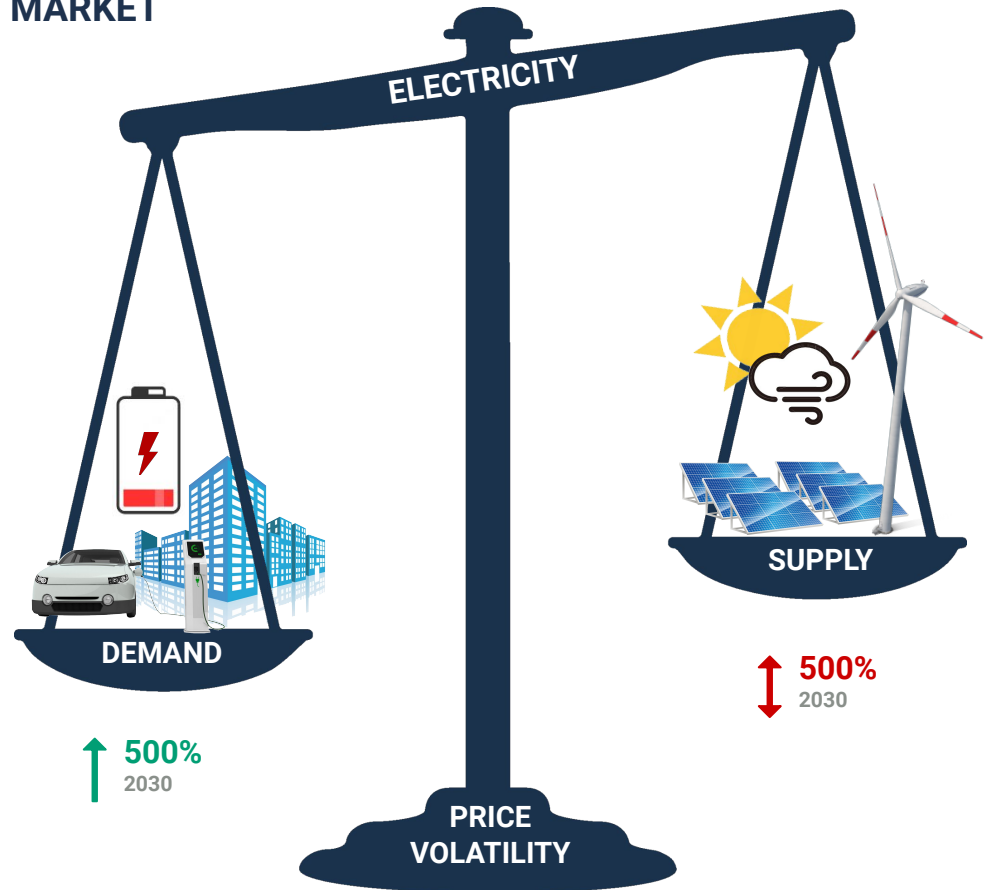
AN INCREASINGLY UNBALANCED ELECTRICITY MARKET

Energy users are being more and more affected by energy prices. Fluctuating renewable energy production and consumption, weather, and an interconnected energy market cause extreme variation in prices - a big risk and opportunity!
It has never been more important to manage and control <u>WHEN</u> energy is used, produced, and stored.

Seluxit provides a platform and solution to manage and control:

- Battery storage
- EV Charging
- Optimal utilization of your power production
- Heat Pumps
- Devices and machines
- Consumption

Energy price fluctuation over a few months in 2022

wappsto ACTIVELY CONTROLS YOUR ENERGY ECOSYSTEM

by Seluxit

Take control · Make your own rules · Cut cost · Optimize your energy system

Automate optimal decision-making by controlling when to...

- **sell** energy
- **use** energy
- **store** energy

Your solar/wind energy

- **Use own energy first**
- **Sell energy** *when electricity price is highest*
- **Stop selling energy** *when electricity price is low or negative*

Your battery storage

- **Charge** *when electricity price is cheap*
- **Use** *when electricity price is expensive*

Energy market

- **Use energy prices in your automation** *to optimize your revenue*

Your consumption

- **Limit usage and reduce energy waste** *power off things when not in use*
- **Charge EV or other electronic devices** *from main power when market price is low or from battery when high*

Weather

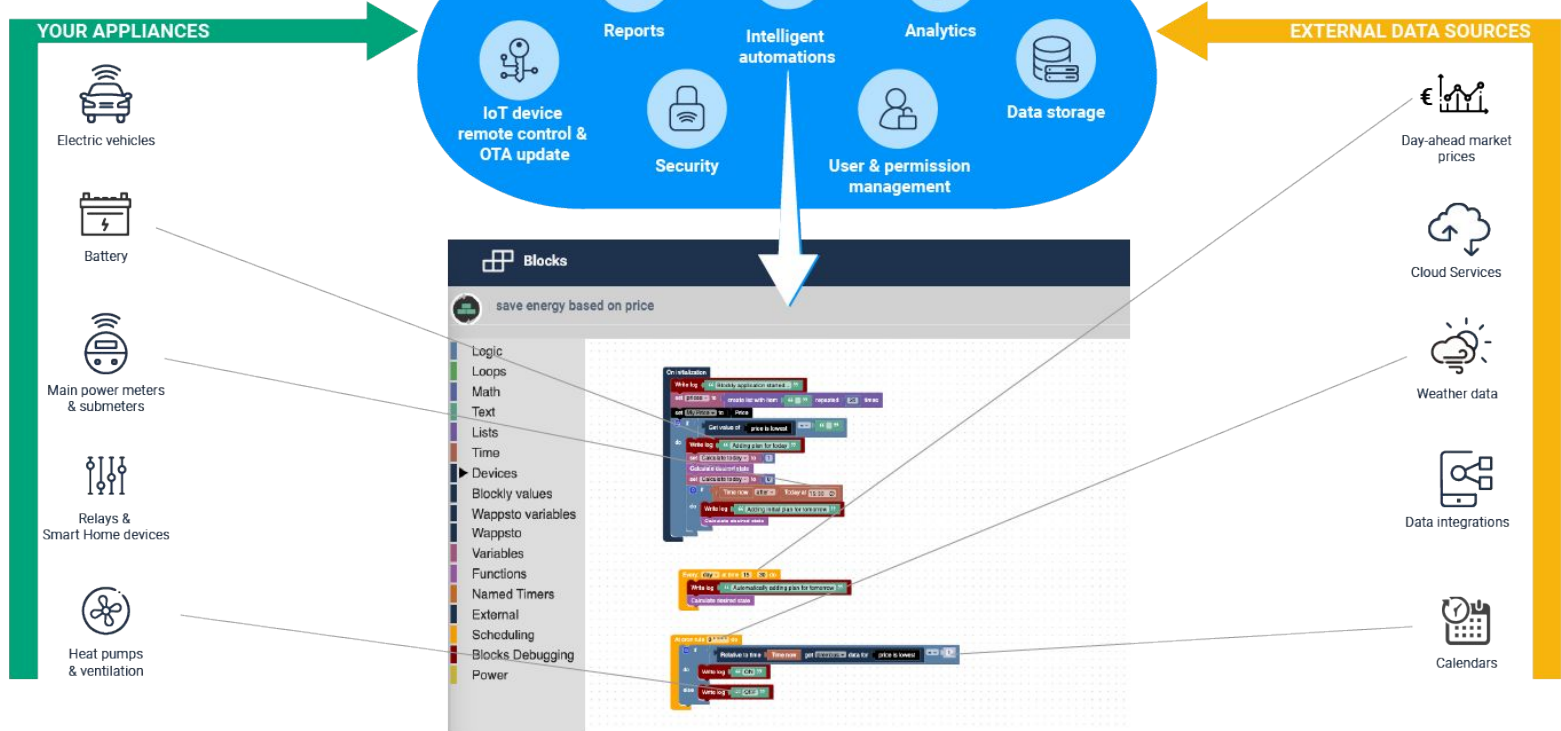- **Use weather forecast** *for predictions and schedules*

↑↓ - *you control*

↑↓ - *external variable*

Wappsto Cloud

Reports

Intelligent automations

Analytics

IoT device remote control & OTA update

Security

User & permission management

Data storage

CONNECT & CONTROL

INSIGHTS & DATA

YOUR APPLIANCES

Electric vehicles

Battery

Main power meters & submeters

Relays & Smart Home devices

Heat pumps & ventilation

EXTERNAL DATA SOURCES

Day-ahead market prices

Cloud Services

Weather data

Data integrations

Calendars

Blocks

save energy based on price

Logic
Loops
Math
Text
Lists
Time
Devices
Blockly values
Wappsto variables
Wappsto
Variables
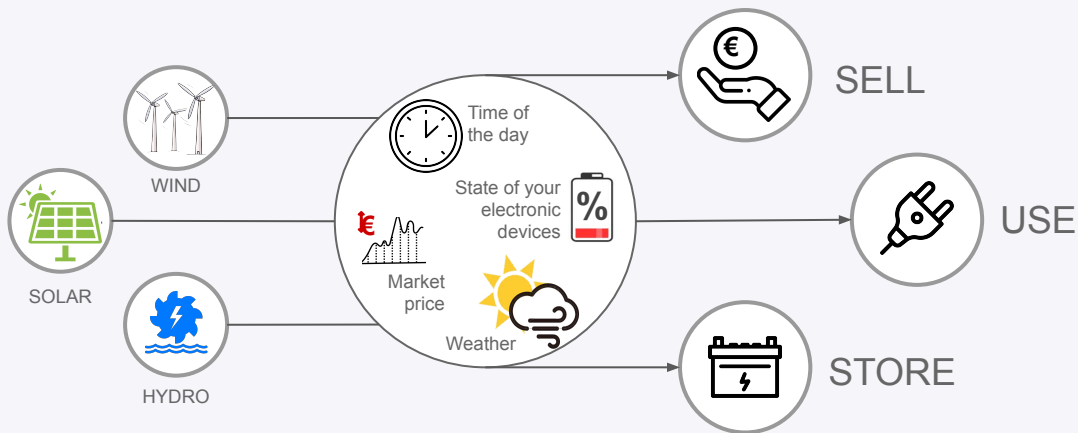Functions
Named Timers
External
Scheduling
Blocks Debugging
Power

Wappsto Automation Blocks

WAPPSTO - ACTIVELY CONTROLS YOUR ENERGY ECOSYSTEM

Innovation in automizing · versatile · fast · low-entry barrier

WIND

SOLAR

HYDRO

Time of the day

State of your electronic devices

Market price

Weather

SELL

USE

STORE

wappsto
by Seluxit

Automate your decisions the smart way

How do we solve it in Wappsto?

- Wappsto connects different data sources like energy data and prices, calendars, weather data, etc.
- We have developed easy-to-use automation programming blocks to connect the data and create advanced control rules
- We provide internet-connected hardware solutions to allow reading and remote controlling of your electronic devices, meters, batteries, etc.
- In Wappsto you can also analyze your data to improve your automations and smart rules.

All of this and more allow you to have full control of your energy ecosystem at any time.

Use energy and store depending on the price

up to **50%**
reduction in price

Grid flexibility

up to **10%**
of revenue as a Virtual Battery

Reduce energy waste

up to **30%**
reduction in energy consumption

Reduce carbon footprint

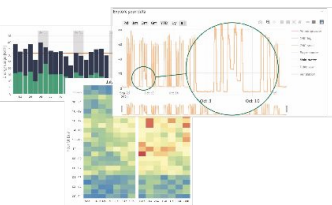up to **40%**
reduction in carbon footprint

wappsto
by Seluxit

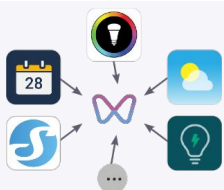## Scalable and secure 5th-generation IoT cloud platform.

AUTOMATE

Using the Wappsto Blocks, No-Code technology, you can create automations. These automations run on our servers even when you are offline and your phone is switched off.

ANALYZE

You can quickly analyze your data by viewing maximum, minimum, mean and more, by day, hour, minute, etc.

➔ Predictive maintenance
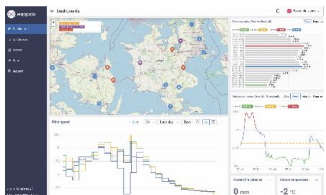➔ Optimization suggestions
➔ Data import & export

INTEGRATE

Wappsto allows you to integrate data from various data sources, for example weather data, Twitter, Philips Hue, electricity data, and much more.

VISUALIZE

A wide range of out of the box visualizations can be applied to view your data.

➔ Fully configurable charts
➔ Filtered lists and tables
➔ Geolocation support
➔ Remote control

INTERNET-CONNECTED HARDWARE SOLUTIONS

Collect meter readings and control remotely.

We integrate 3rd party devices where possible.

For industrial applications, Seluxit also provides solutions to measure and control energy consumption in real-time.

Our devices use the highest security standards and support multiple communication technologies:

➔ NB-IoT, LTE-M, 4G
➔ LoRa
➔ WiFi
➔ Ethernet
➔ Wireless M-BUS
➔ Mod-BUS and more

seluxit

(+45) 46 922 722
info@seluxit.com

seluxit.com
energy.seluxit.com
wappsto.seluxit.com

Sofiendalsvej 74,
9200 Aalborg SV, Denmark