Safeguarding Our Future by Reducing Energy Consumption in Housing Sector

Bisly

Building Intelligence Solutions

Cutting-edge building automation system

What does it do?

Bisly building automation system is an **intelligent system** of both hardware and software, connecting heating, venting and air conditioning system (HVAC), lighting, security, and other systems to communicate on **a single platform**.

Some of our customers

merko

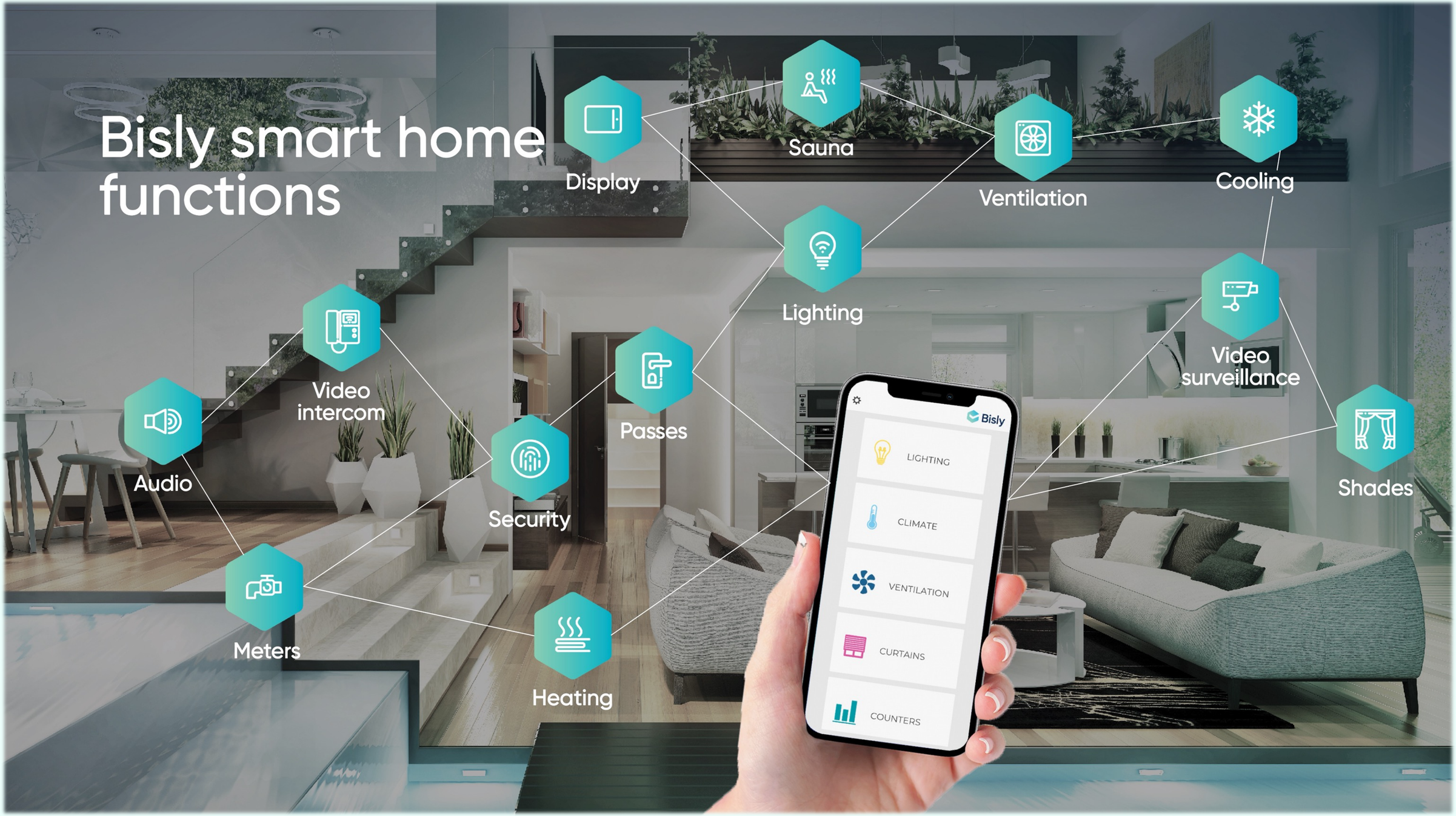
UTILITAS

Abc Grupp

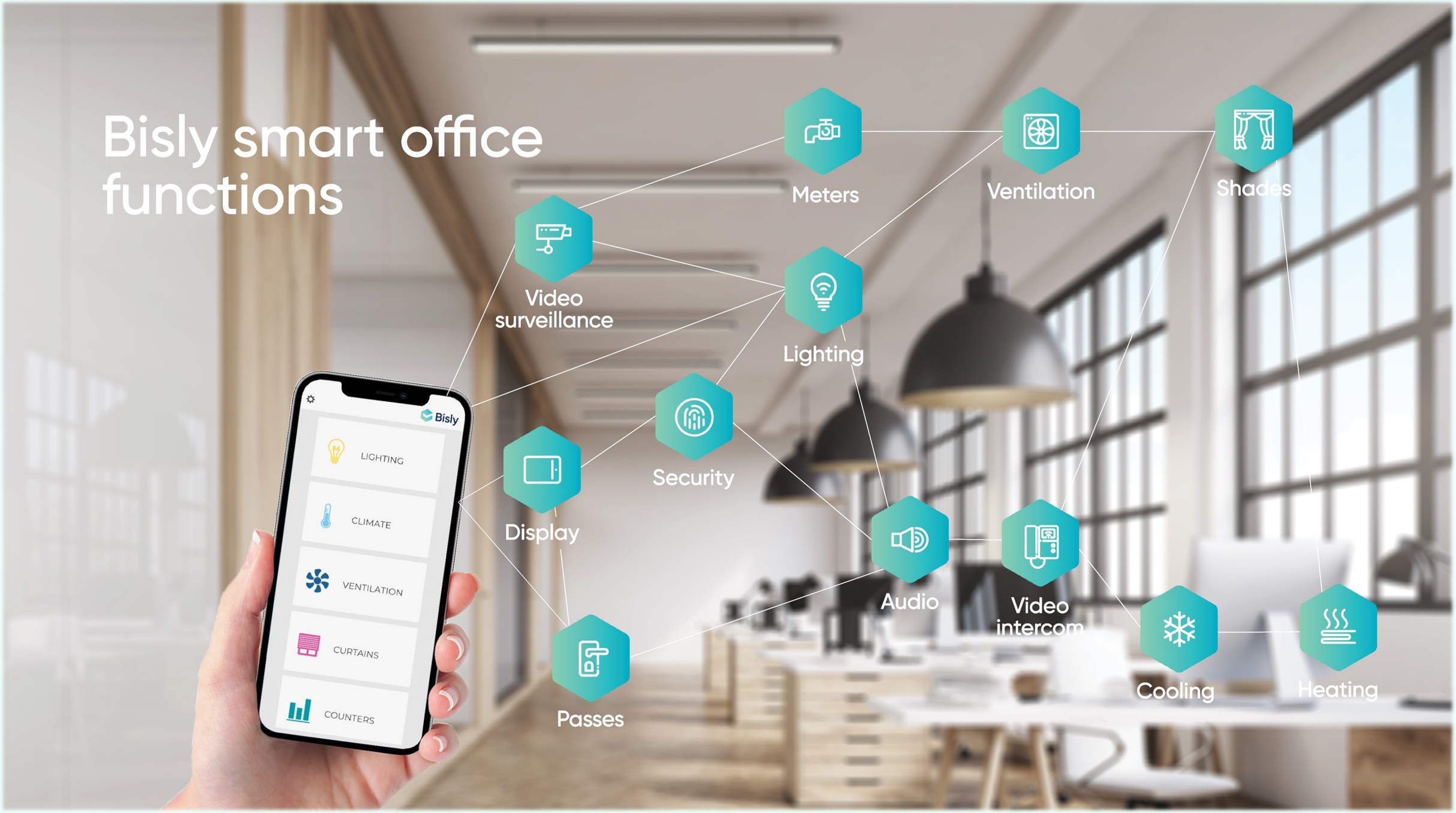
BONAVA

perton EHITUS

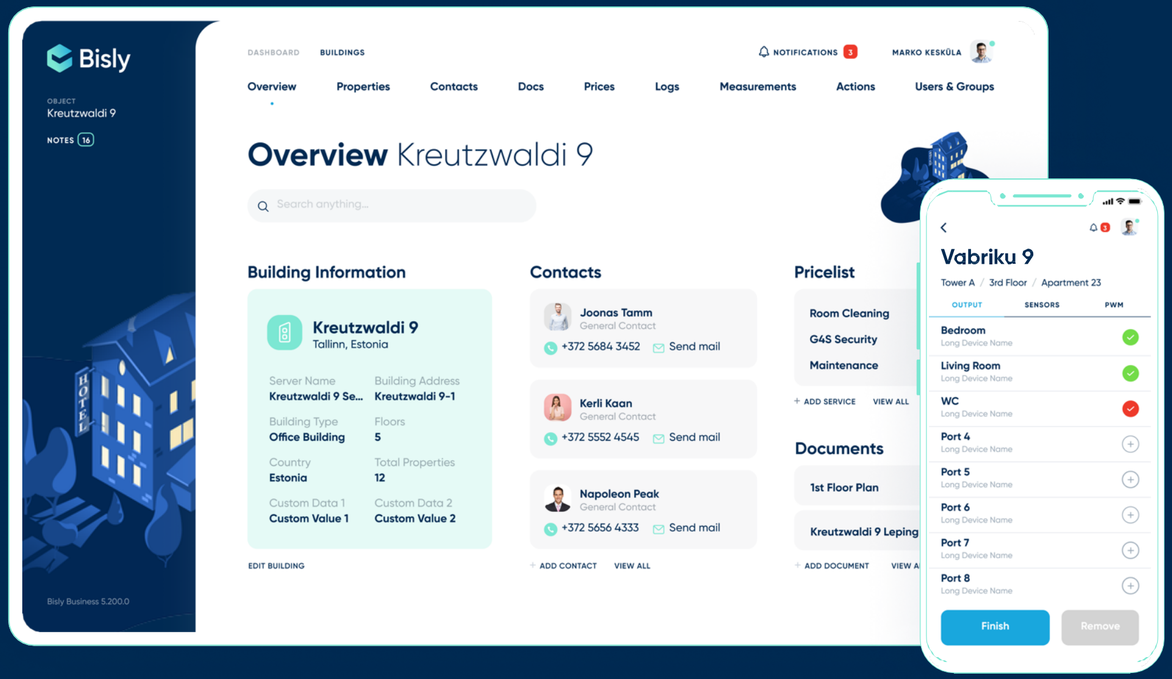
More than 20 000 automated control points installed to date with more than 500 000 transactions daily.


Bisly smart home functions
Display
Sauna
Ventilation
Cooling
Lighting
Video intercom
Audio
Passes
Security
Video surveillance
Shades
Meters
Heating
Bisly
LIGHTING
CLIMATE
VENTILATION
CURTAINS
COUNTERS

Bisly smart office functions



Bisly – Single Cloud Platform



Bisly cutting-edge proprietary hardware

Controllers

Touch screen

Sensor

Integrates through open standards with all available hardware on the market

Access control

Servers

Network

Sensors & switches

Works in perfect harmony with all available smart home gadgets

Amazon Echo

Google Home

Apple Homepod

We make saving energy simple

- Providing better functionality, Bisly **hardware cost in all installations is 60% less** when compared to KNX and others
- Cloud connected timeless hardware is **always up to date** and enables to continuously improve the user experience and energy savings
- Scan to connect hardware and automatic building mapping architecture **reduce integrator pain and cost by 50%**
- Through dynamic software and sensor feedback loop Bisly is able to get the most savings out of every installation being **38-46% more efficient** than competitors

Science and story behind the Supersensor

- Co-operation between entrepreneurs and scientist in government supported program
- Cross department collaboration within TalTech university contributed to the success of the project
- Market prediction turned into a opportunity in swift response to post pandemic world

Euroopa Liit
Euroopa Regionaalarengu Fond
Eesti tuleviku heaks
Eesti Teadusagentuur
Estonian Research Council
TAL TECH

Bisly – we make saving energy simple!

Bisly

Energy savings of up to 50% thanks to Bisly building automation...

Up to
5%
automated heating management

15...20%
energy savings from heating

10...15%
automated ventilation management

25...30%
automated demand-based ventilation management

Up to
50%
need-based lighting control

According to the US Energy Information Administration, the building sector in the US accounted for 40% of all energy consumption in the country, 38% of CO2 emissions, and 36% of greenhouse gas emissions in 2017.

Source: https://www.marketsandmarkets.com/Market-Reports/building-automation-control-systems-market-408.html

Products and specifications

Controllers

UM8 Pro
RS485, Dali, ModBus 8 putputs. 3xRS485, 4x digital, 4x analog i/o

UMD
2x250w Dimmable, RS485, Dali, ModBus

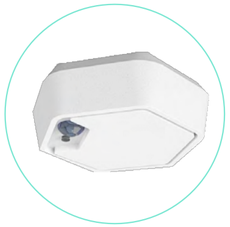
Touch screen

10.1'' HD Bisly screen
On wall and in wall mounting options. POE, LAN (preferred), Wifi, Options for di erent frame materials

Access Control

Modular reader NFC BT, fingerprint, keypad. Integrations with phono panels (2N etc)

Sensor



Supersensor
Particles filter, C02 sensor, temp/humidity, lux, sensor

Servers

Server
Range of servers, from support to 1 to 500 units each

Network

Network
Standard LAN network equipment with select partners

Sensors and switches

Wide range of OneWire, Analog, digital, sensors. Compatible with all switch series.