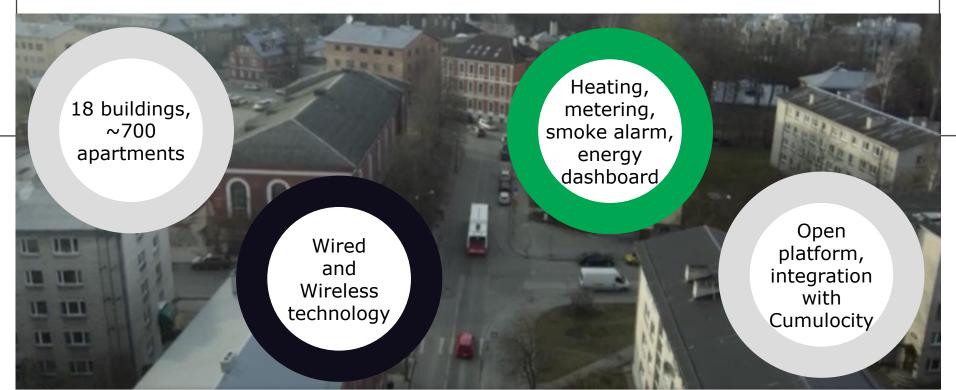
JUSISMART Tartu SmartEnCity

Smart City for the Citizens: The Game Changer for the Cities

Raivo Raestik
CEO of EnLife OÜ



Smart Home solution by EnLife





Structure

- → Cloud → Cumulocity
 - - 2-3 staircases per building
 LAN/Modbus connection
 - 4-5 floors

Wireless repeaters

◆ 4 apartments per floor

♦ Smart Home devices

• 0..2 bedrooms in apartments



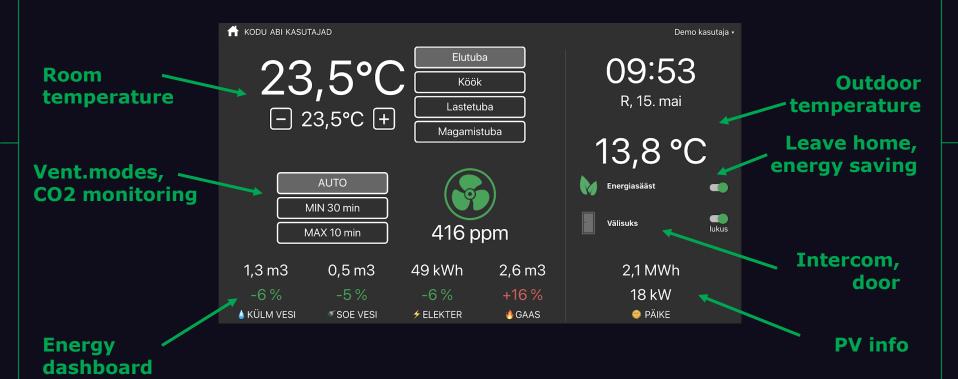


Home Features

- Temperature monitoring
- Heating control
- Remote metering
 - electricity,
 - cold and hot water,
 - o gas
- Smoke alarm detection
- CO2 monitoring
- Ventilation intensity control
- Energy dashboard on tablet
- Intercom video calls



User interface, onwall tablet





Integration with Video Intercom

- common user management
 - no need to manage users separately in smart home and intercom systems
 - self service for habitants

Possible to make a photo on entry





Info



Remote metering

All meter readings are reported to Property Management Systems

Connected to cloud

Smart home system integrates with smart city cloud platform to push and pull data





Wireless technology

Floor repeaters - 3 radios:

- Z-Wave gateway
 - Thermostat
 - Smoke detector
- 868MHz repeater
 - Remote meters
- WiFi Access Point for tablets
- LAN switch for floor-to-floor connection



Home devices

- Zwave
 - Thermostat
 - Smoke detector
 - (repeater)

- 868MHz RF
 - Electricity counter
 - Water counters
 - Gas counter



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