

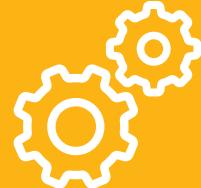


ETHERMA

Team RALM



TEAM



PROBLEM



ANALYSIS



IDEA



MISSION

Meet Our Team



Luisa Serpi

- Computer Eng
- Engineering & Management



Marzieh Mirzaei

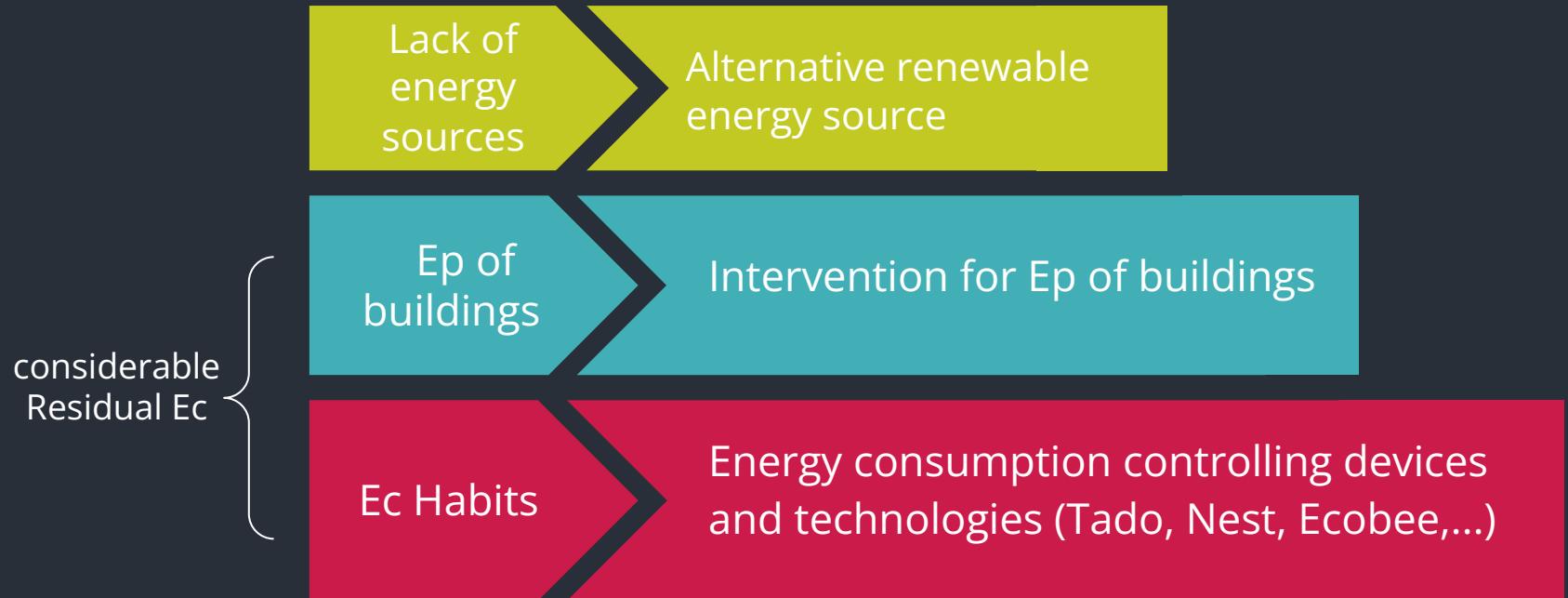
- Civil and Environmental Eng
- Digital Skills for sustainable societal transition



Ang Li

- Architecture
- Architecture construction city

The Problem - Current solutions



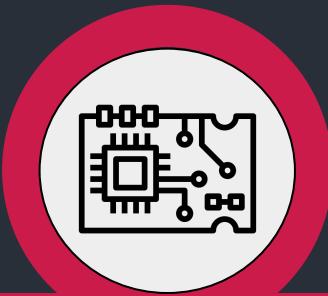
ETHERMA components

Smart HVAC system



Sensors

Collect temperature, humidity and motion data in real-time



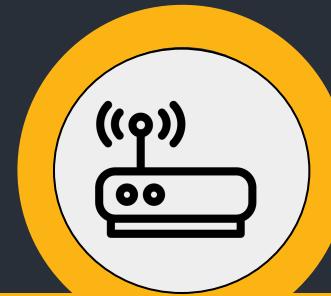
ESP32 Thing board

Receive, process, and send data to an MQTT broker



OpenHAB server

Monitoring sensor data and controlling the thermostat

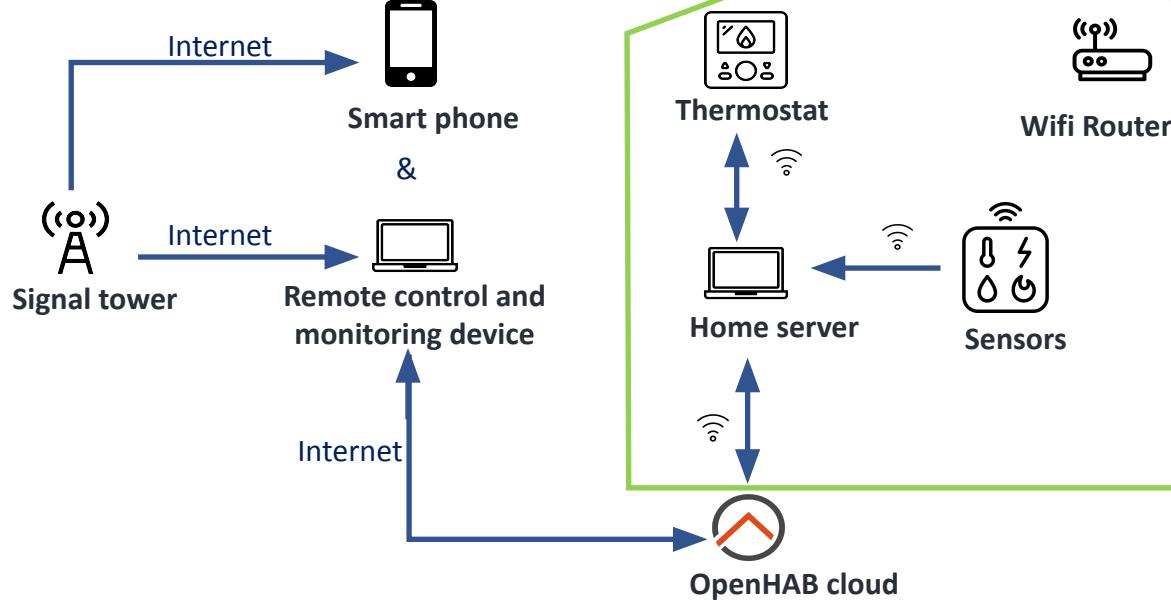


Wi-Fi router

Create the communication channel



ETHERMA architecture



ETHERMA features

1 Remote control

2 Multi-zone management

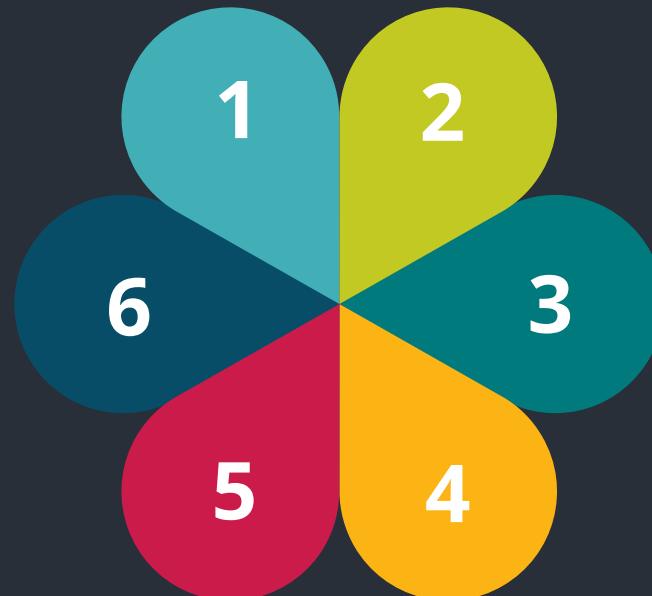
3 People detection

4 Air quality monitoring

Integration with smart appliances

5

6 Easy installation



ETHERMA innovations



Improves **reporting**

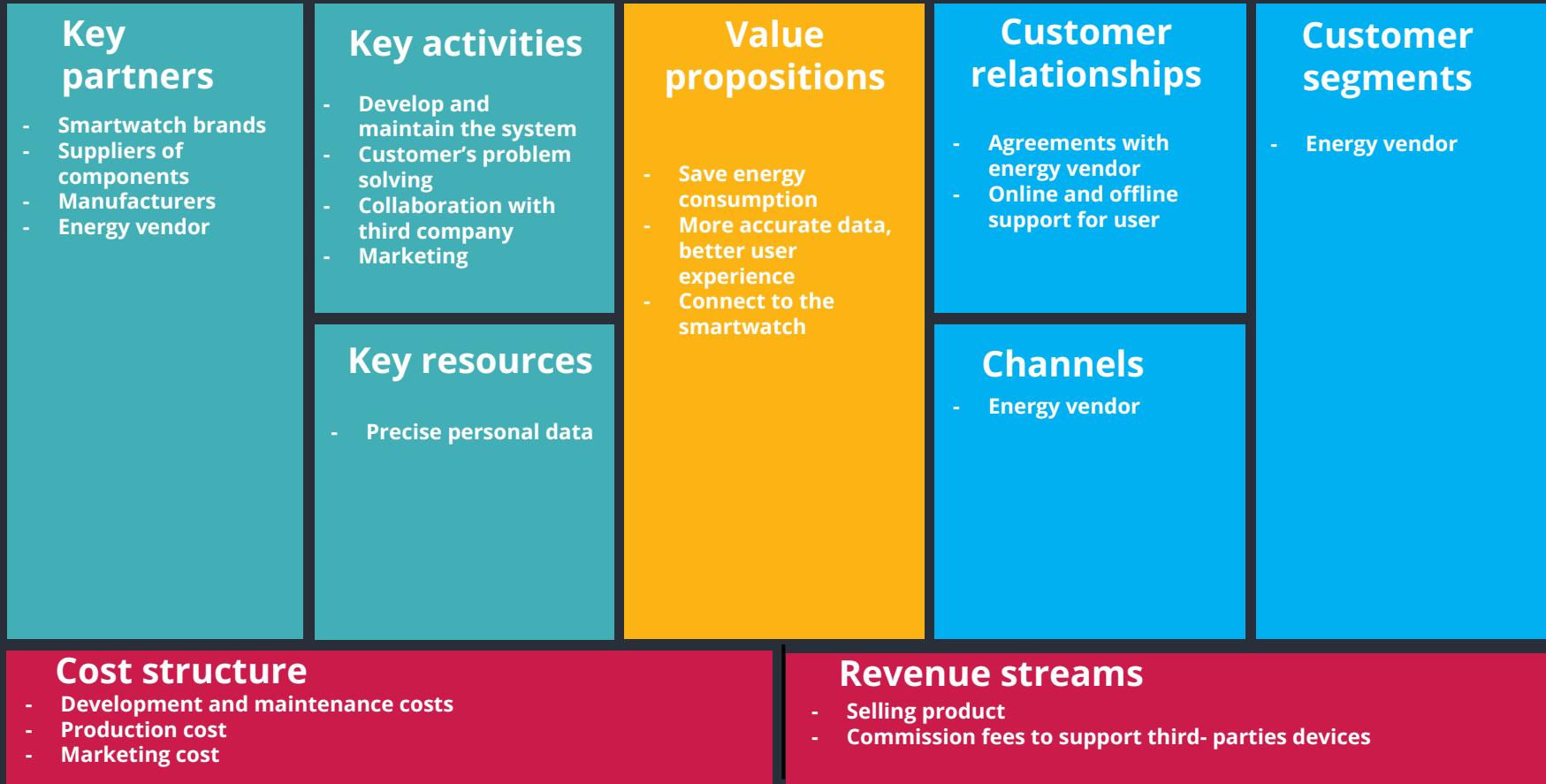


Revolutionize air exchange

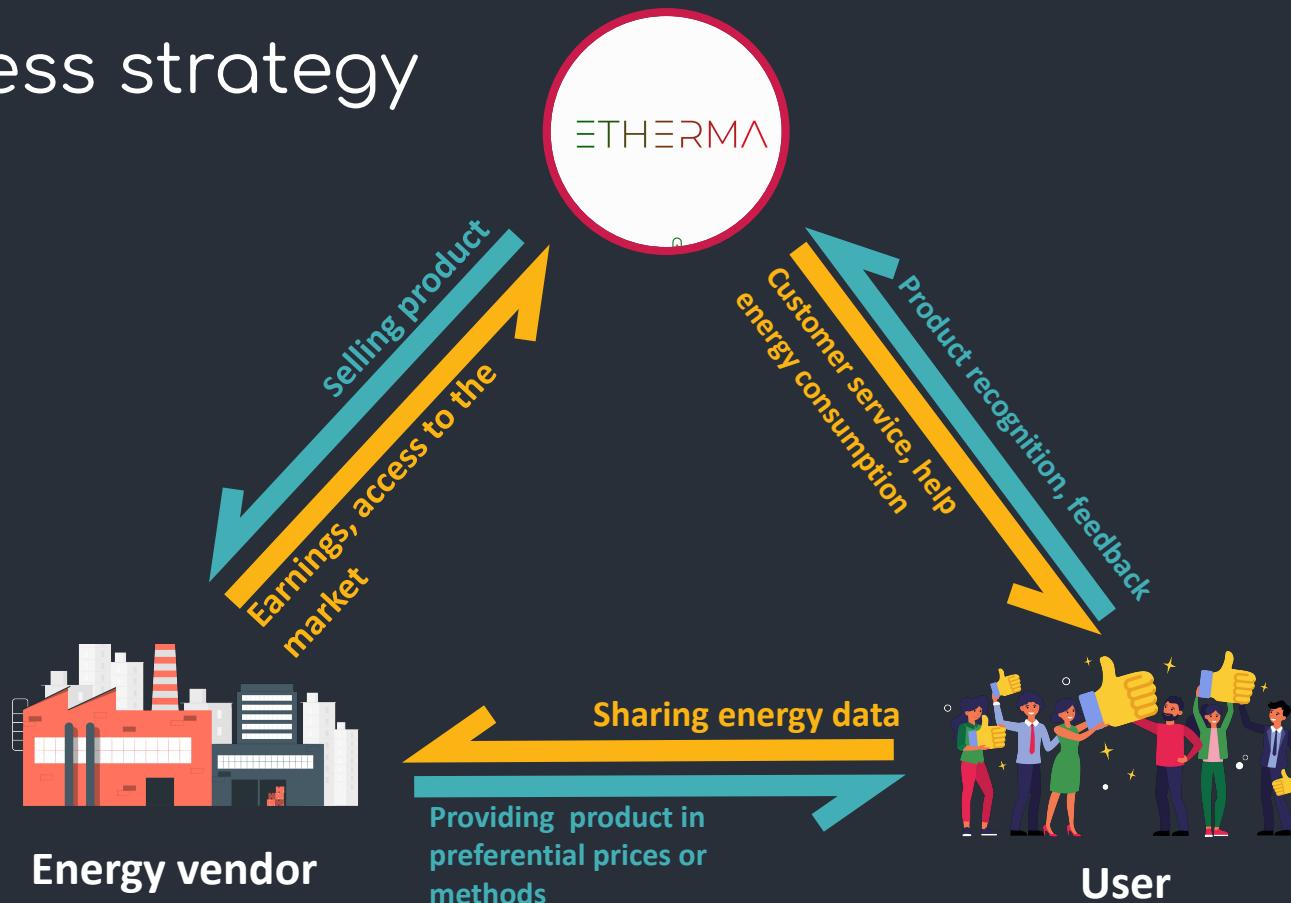


Better integration between data

Business Model Canvas



Business strategy



THANKS

Team RALM