



# AI-Cure

**Sustainable Smart Building**

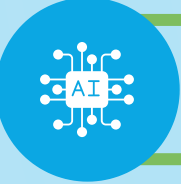




# Aivolution

## AI & ML for Innovative and Sustainable Organizations

Aivolution Srl is a company founded by **researchers** and **university professors**, partner of **innovative companies** and **public institutions**, specialized in human-centric **AI, ML** and **Big Data** software solutions, deployed across **cloud platforms, edge computing environments**, and **on-premises infrastructure**, with the aim of increasing **sustainability, productivity** and **awareness**.

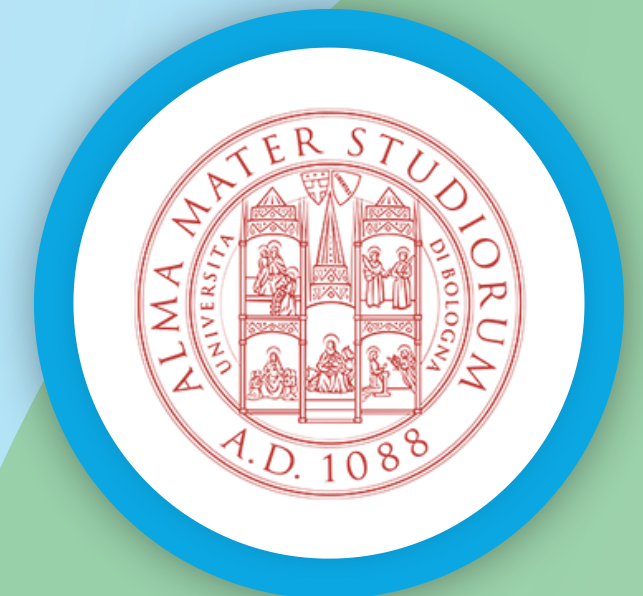
### Our Expertise

-  Artificial Intelligence
-  Machine Learning
-  Big Data

### Our Technology Stack

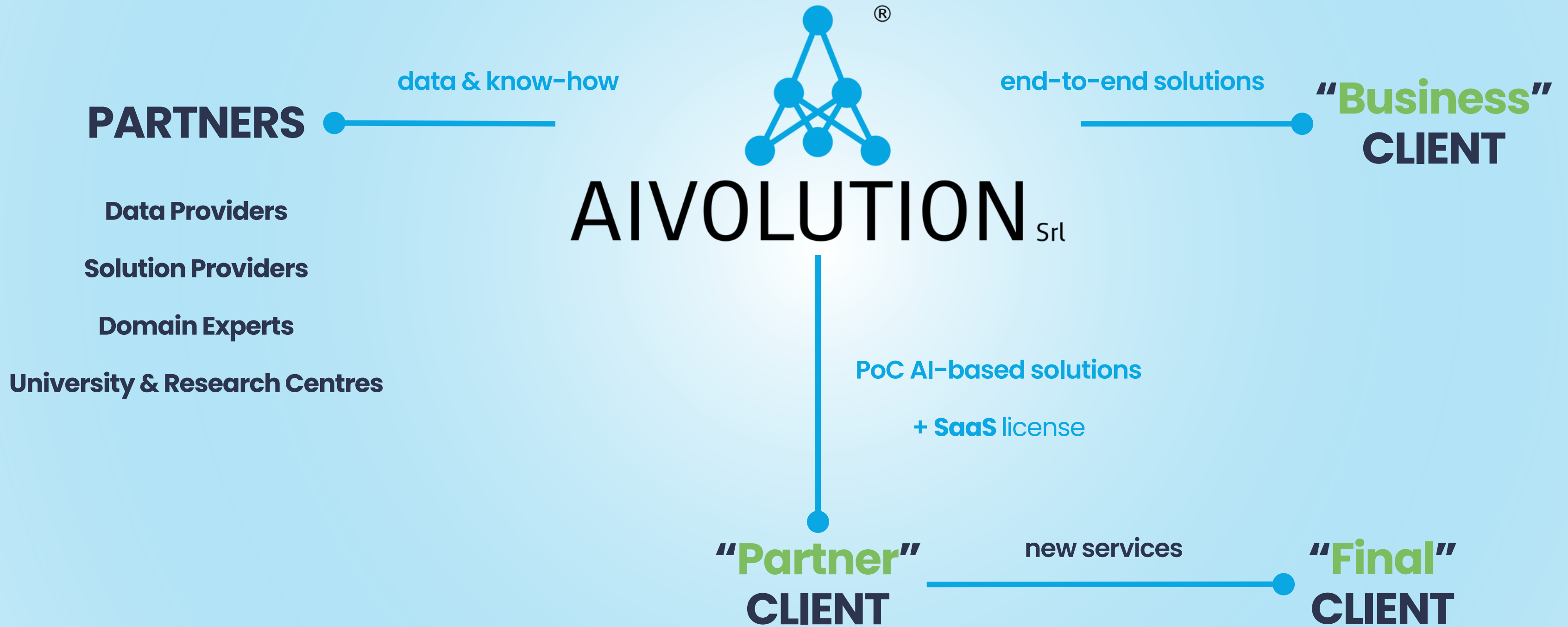


# Our Partners





# Our Business Model



# Energy Market Needs

Energy flow  
analysis



Ease of access and  
understanding of information



Validation of installations  
and telemetry



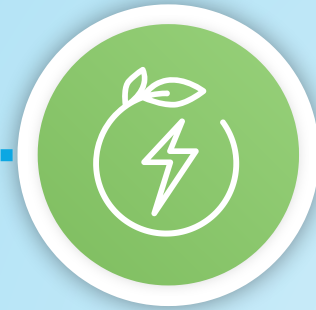
Reducing consumption and  
environmental impact



Demand balancing and  
increased self-consumption



# AI-Cure's response



## AI-Based Virtual Assistant



Accessible via **chat**, **smart speakers** and **web dashboard**, provides real-time information and **intelligent advice** for energy efficiency

## Predictive Device Usage



You will be able to **predict** the usage of energy plants and devices to identify **inefficient behaviors**

## Anomaly Detection



You will be able to verify the **correct installation** of renewable energy plants and smart devices, and **validate** sensor and meter telemetry

## Energy Saving

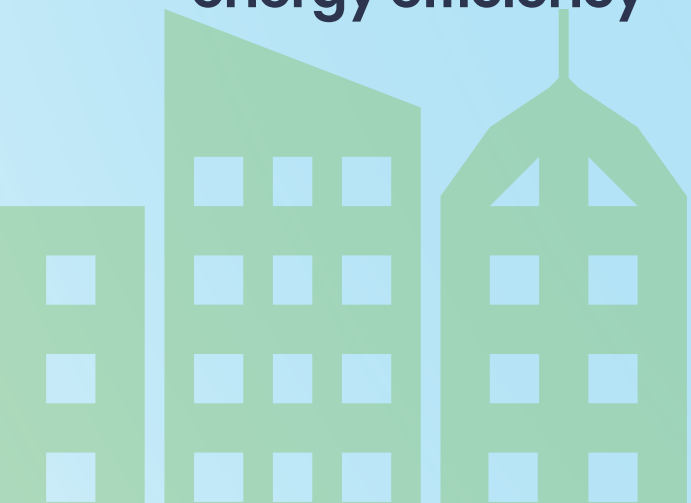


You will be able to identify **consumption profiles**, view personalized **energy advice**, and control real-time systems to reduce consumption, costs, and **emissions**

## Energy Demand Management



You will be able to balance **energy demand** and increase self-consumption in **renewable energy communities**





# AI-Cure's Use Case

**"Partner"  
CLIENT**

- **ESCo specialized in home automation**

**Installations**

- **500+**



**Needs**

- **Installation verification**
- **Energy profiling**
- **Energy advice**
- **Estimated energy savings**

# AI-Cure's impact



**AVOIDED EMISSIONS**

**70\***  
MTCO2e

**ENERGY SAVING**

**150\***  
MWh

**COST SAVING**

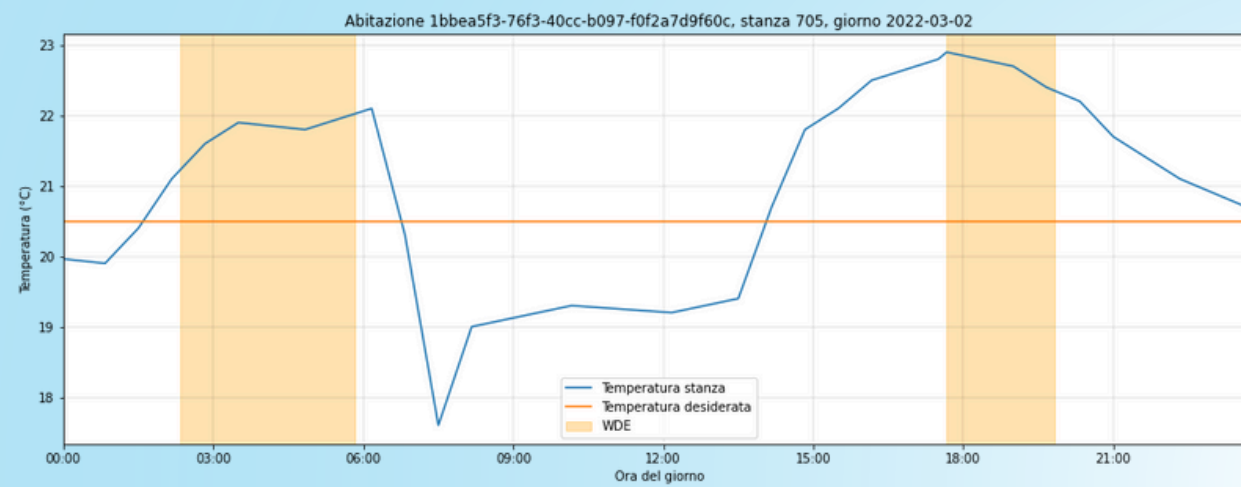
**225\***  
K€

\*Value estimation on annual basis

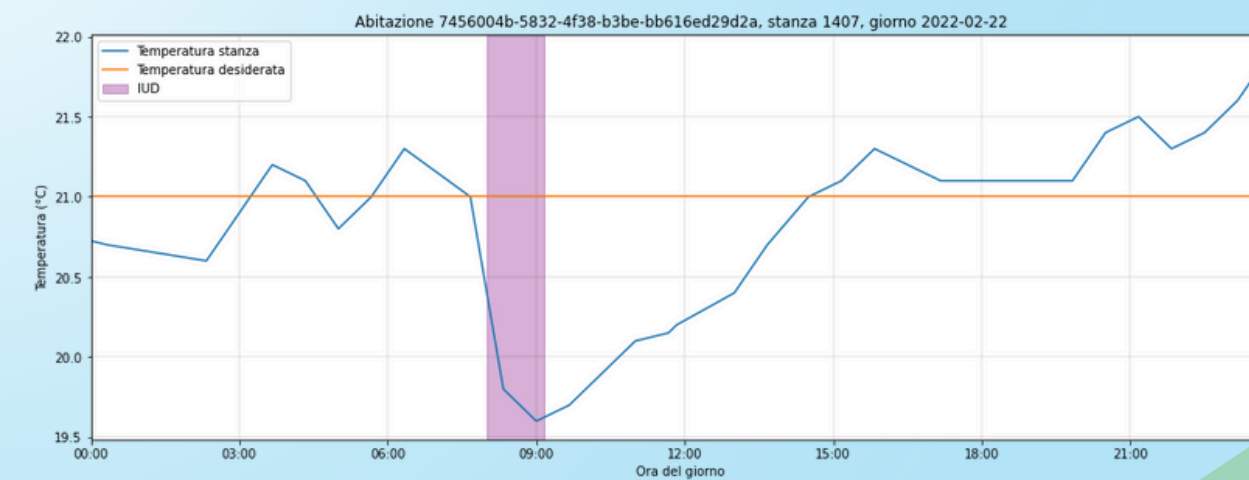
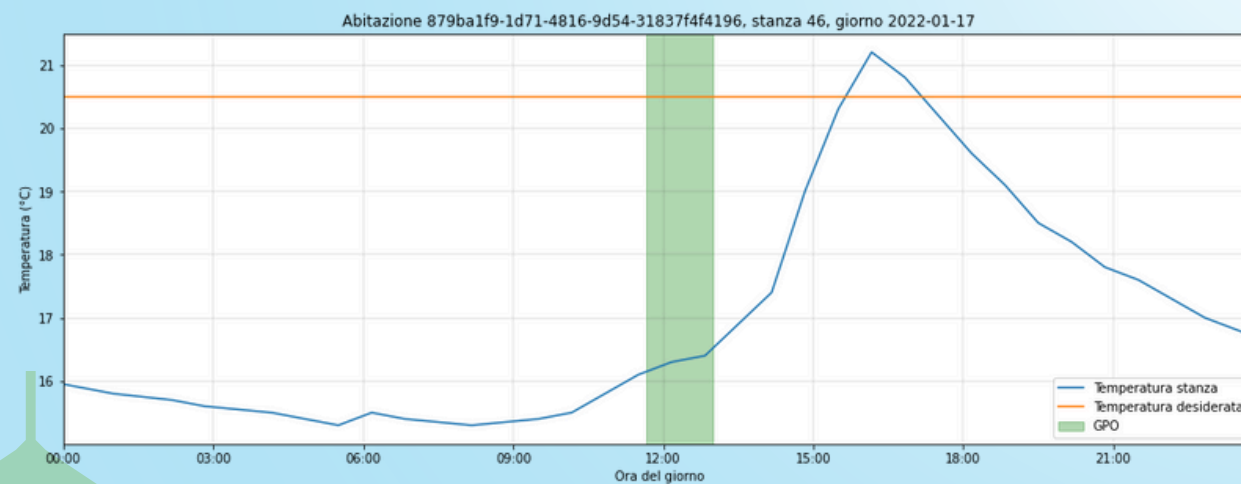
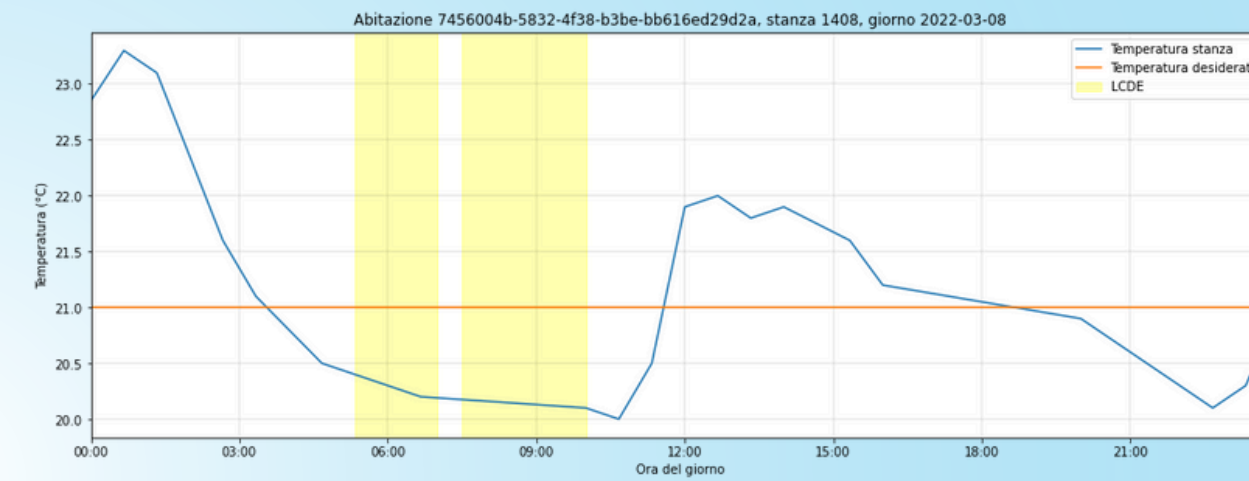


# AI-Cure's AI

## Waste Detection & Estimation



## Smart Activation



## Green Energy Surplus Detection & Estimation

## Wrong Usage Behavior Detection

(e.g. keeping windows open while the systems are operational)

# Our Team

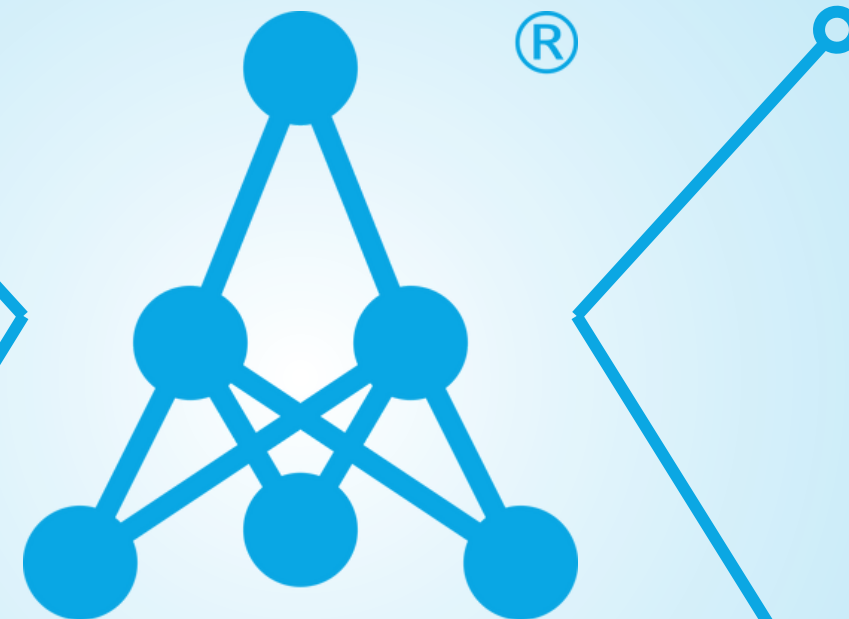
**Integrates AI-Cure**  
with EMSs, BMSs, BIMs, HVACs  
Demand-Response systems

**Makes the results available**  
in your preferred format (e.g.,  
reports, alerts) and mode (e.g., web  
dashboard, chat), or via API

**Fine-tunes**  
AI and machine learning algorithms  
on your historical data

**Trains your personnel**  
to use AI-Cure

**Provides**  
assistance, maintenance,  
and updates





**AIVOLUTION** Srl



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