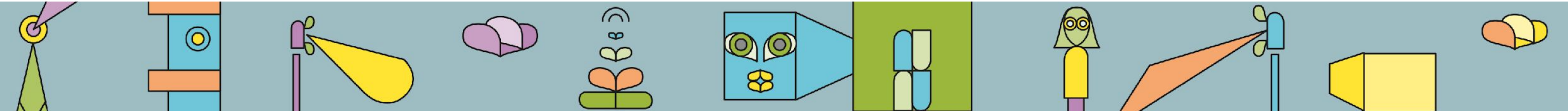# huna
smart up the city

Who We Are

Huna was born with the mission of reducing the distance between imagination and reality: facilitating the digital transition of cities with the goal to **create greener, more sustainable** and **innovative urban ecosystems**

In our vision, **smart cities** are places where technology has the only goal to make his citizens happier, healthier, richer and closer

We serve SMEs such as **ESCos** and planning firms, large firms such as **Utilities** and **Public Service Companies**, **Cities** and **Public Agencies**

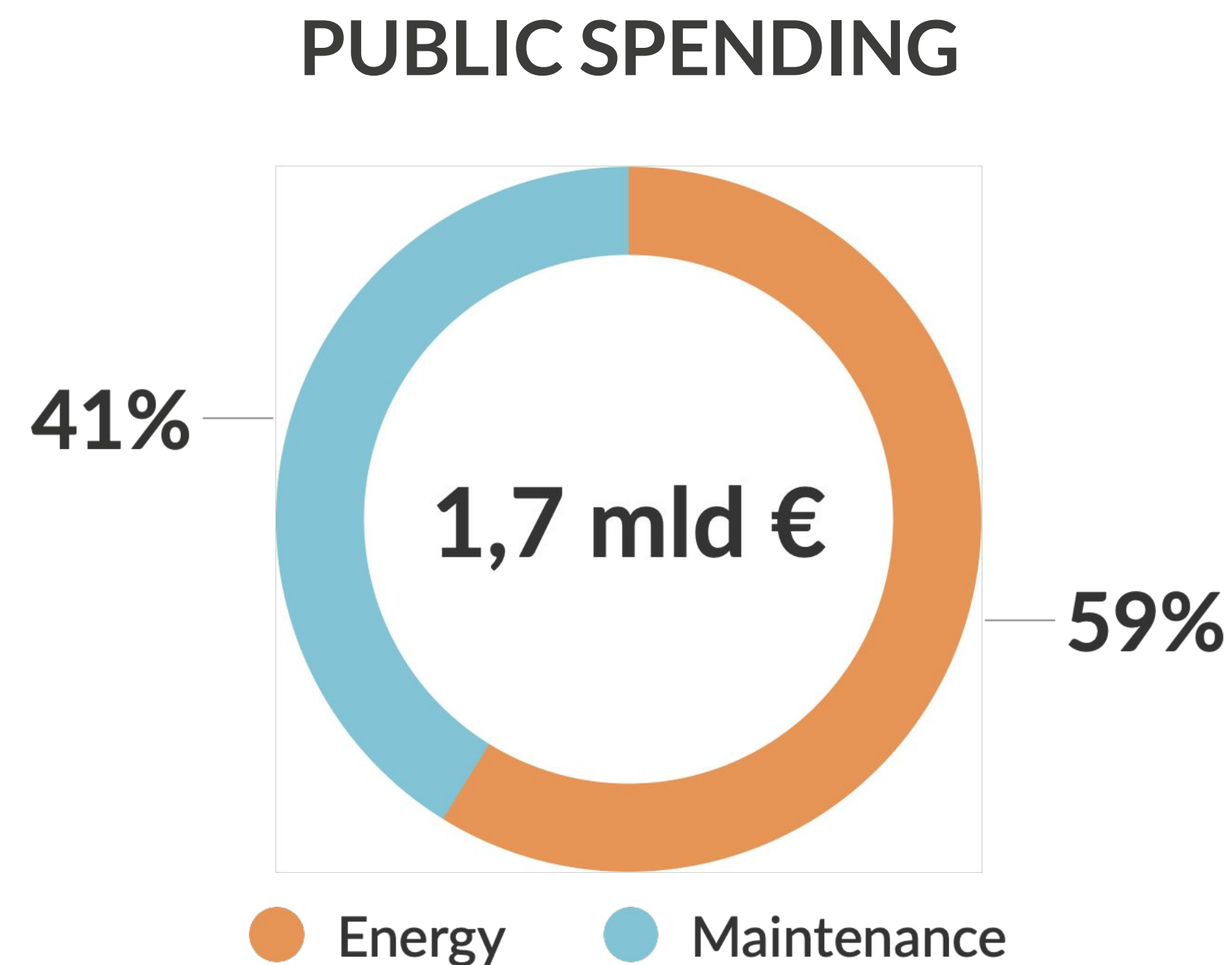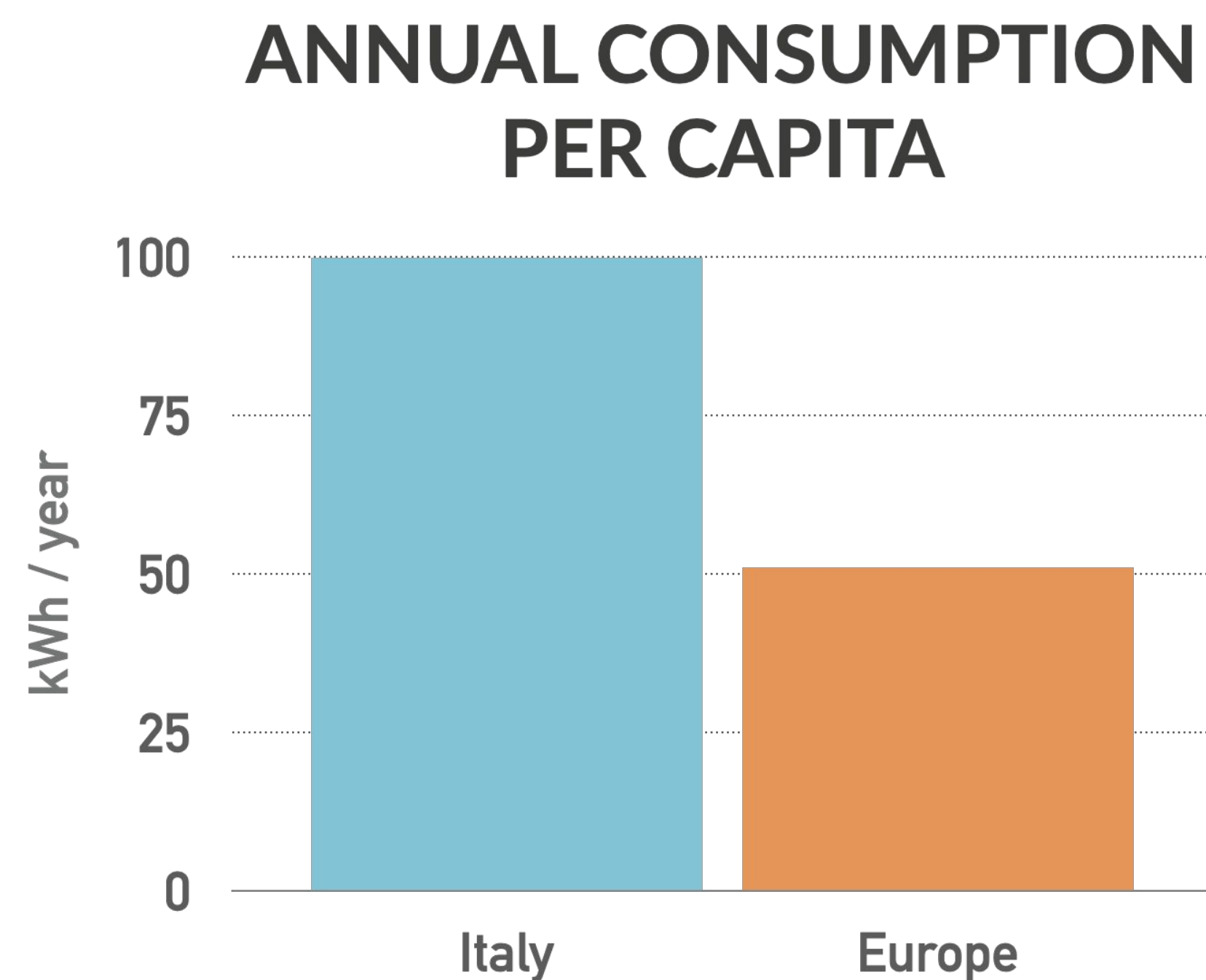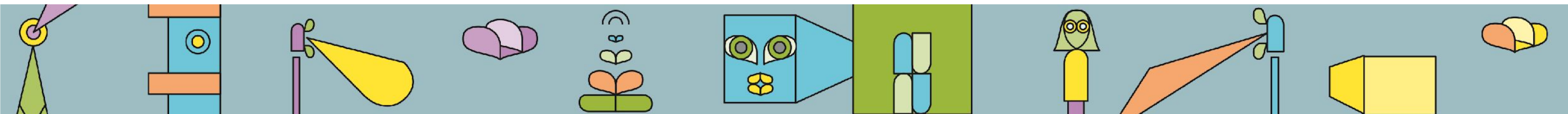Only **3%** of street lighting utilizes **smart technologies**

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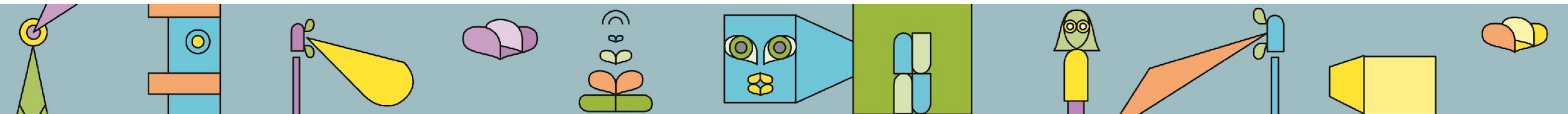
ON-THE-SPOT FAILURE CHECK

NOT REMOTELY ADJUSTABLE

Italy ranks first in **street lighting expenditure**, with a consumption per capita which is **double** than the average

ANNUAL CONSUMPTION PER CAPITA

PUBLIC SPENDING

41%

1,7 mld €

59%

● Energy   ● Maintenance

Source: Osservatorio CPI, Cottarelli, 2018
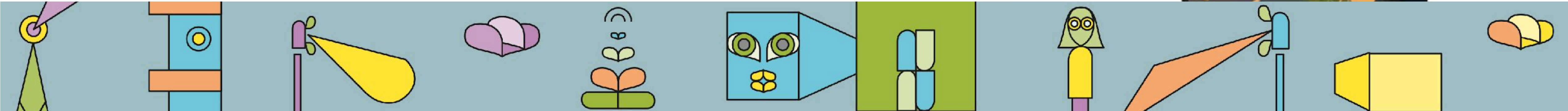
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light touch

Huna offers a **TRL9 integrated** digital platform and IoT devices, allowing **ESCos** and **Utilities** to

Save energy up to **50%**

Reduce operation costs of **75%** and **on site maintenance up to 70%**

Be **more competitive** and **profitable**
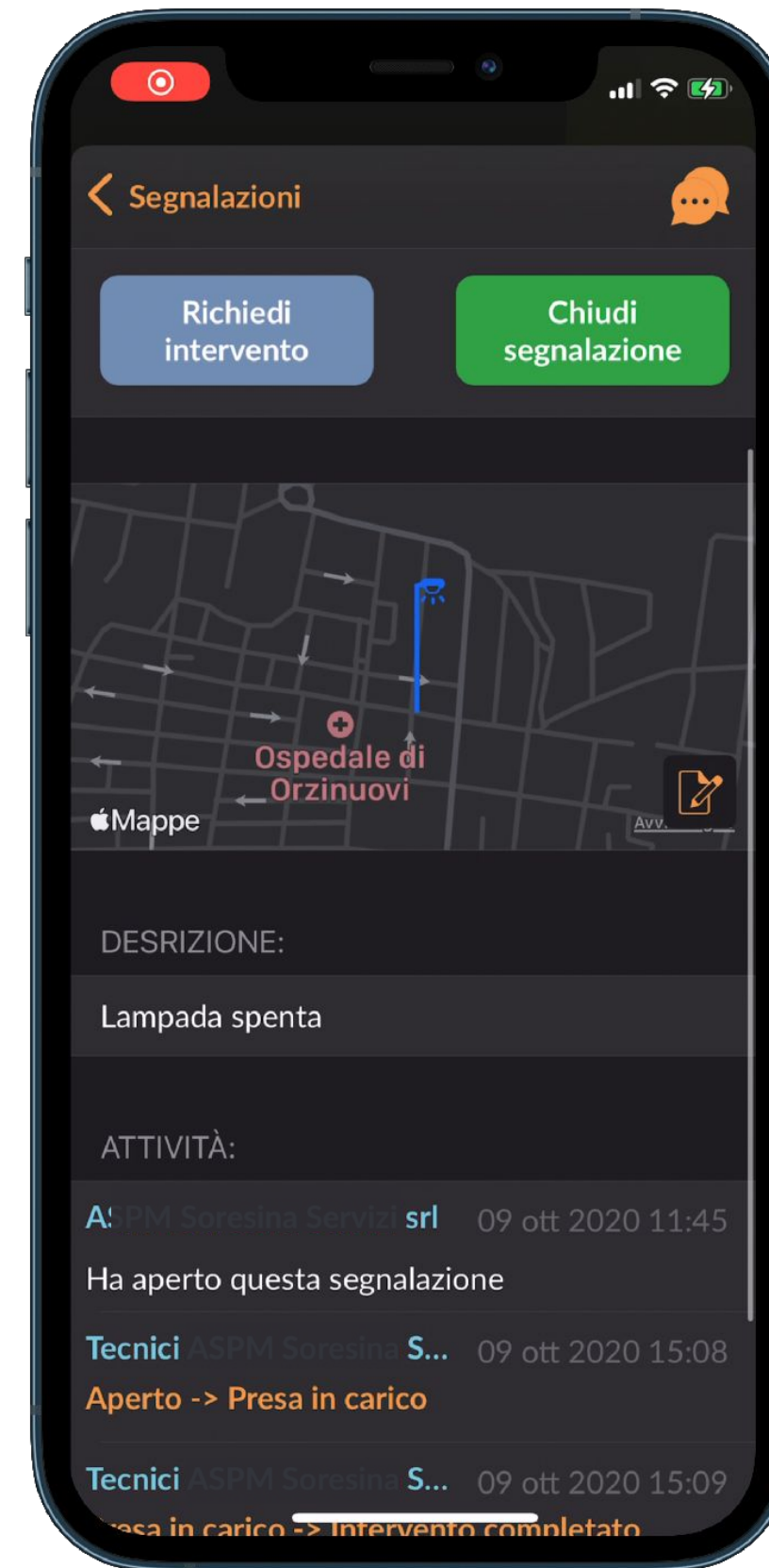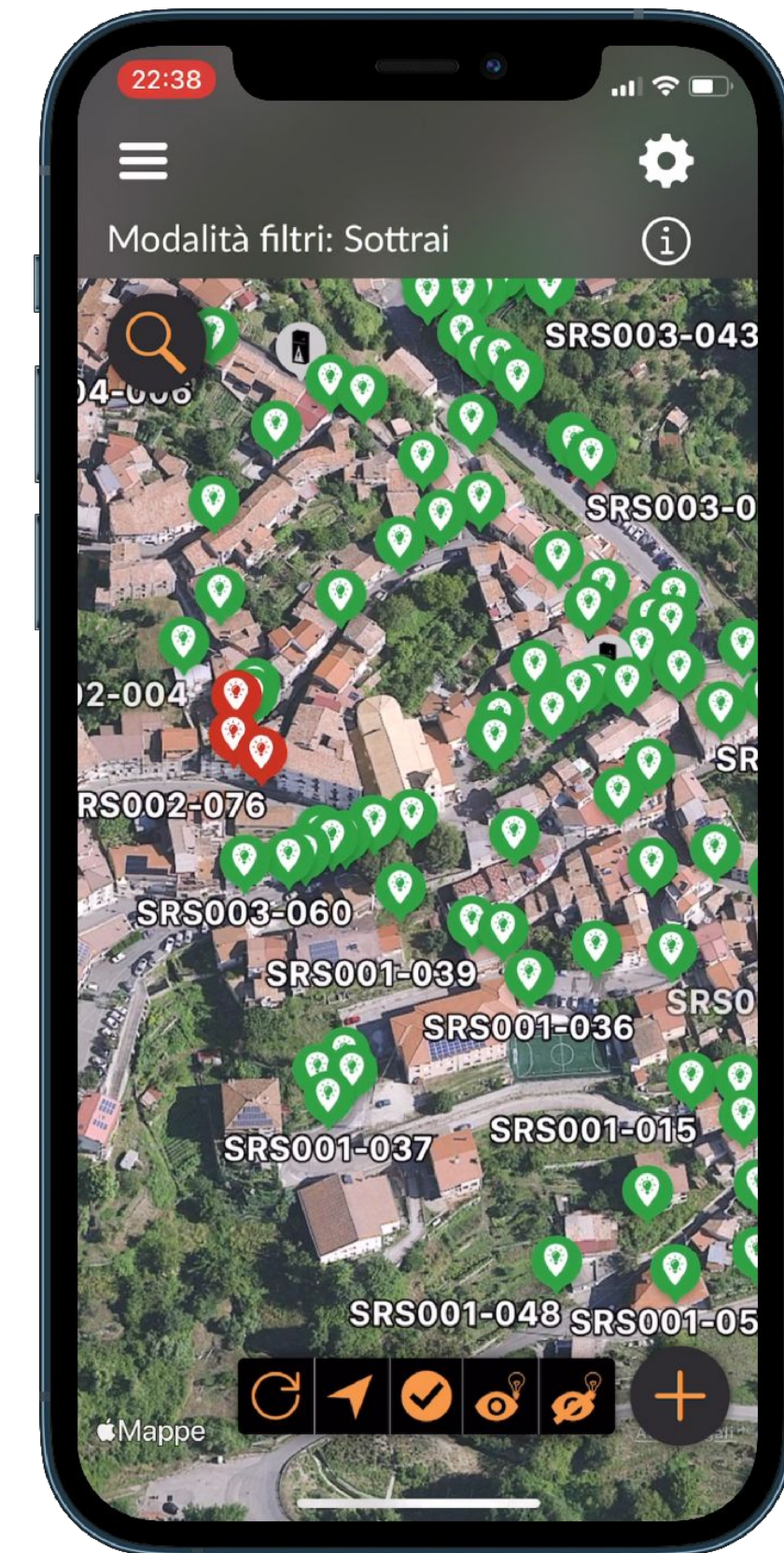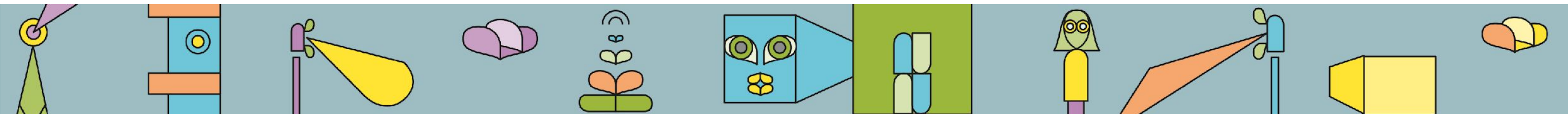
Integrate **multiple smart city** solutions

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light **touch** Modules

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Design

Management

Remote Control

Our Clients

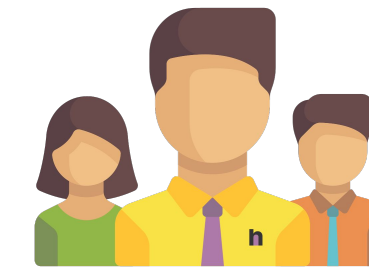Huna addresses

Energy Service Companies
(ESCos) - SMEs

Utilities - Corporates

Local Governments, Public Agencies, Public Service & Public Transport Companies, Airports, Shopping Centers & Malls

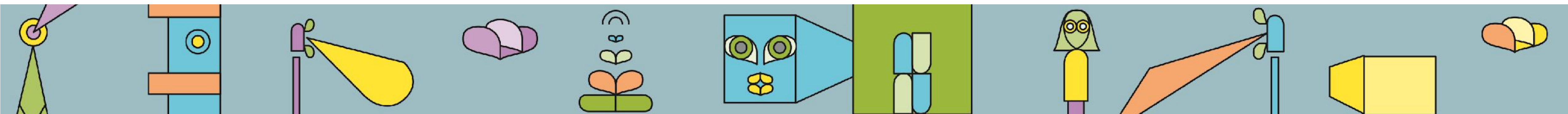light **touch**

Save Energy up to **50%**

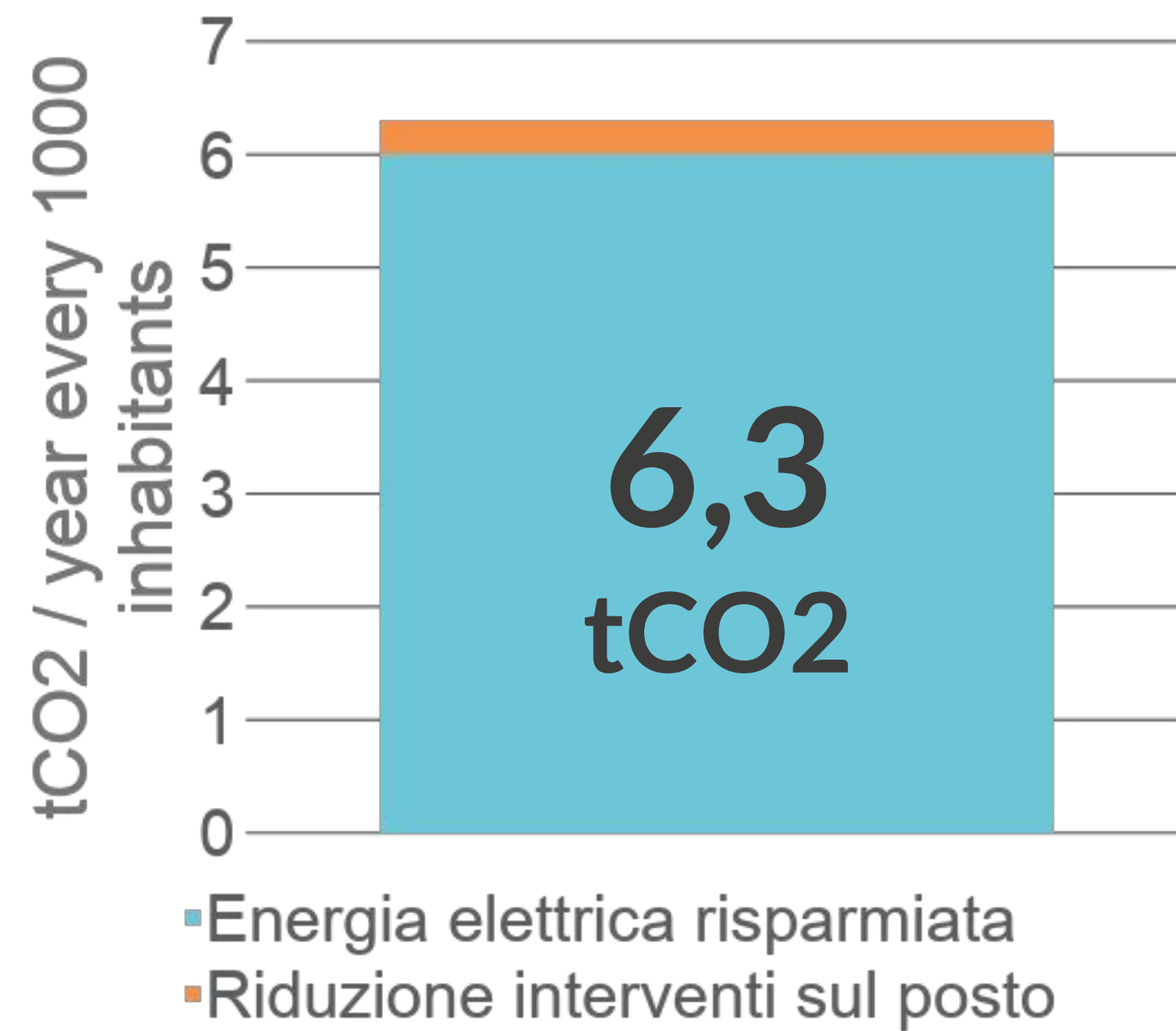**Reduce operations costs** of **75%** and **maintenance** of **70%**

Sustainable Impact

Be **more competitive** and **profitable**

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Impact

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ENVIRONMENTAL IMPACT

tCO2 / year every 1000 inhabitants

7
6
5
4
3
2
1
0

6,3 tCO2

▪ Energia elettrica risparmiata
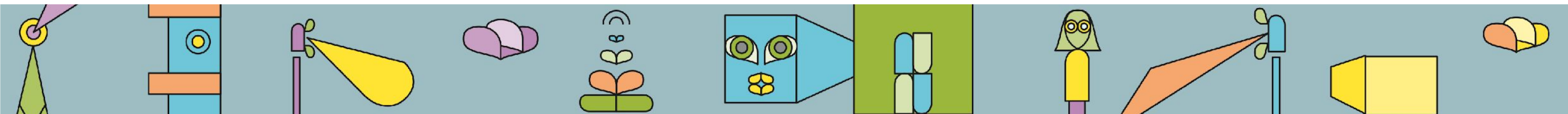▪ Riduzione interventi sul posto

SOCIAL IMPACT

⬆ **Quality of lighting**

⬇ **Costs** for the community

◎ **Service Level Agreements**

Our achievements
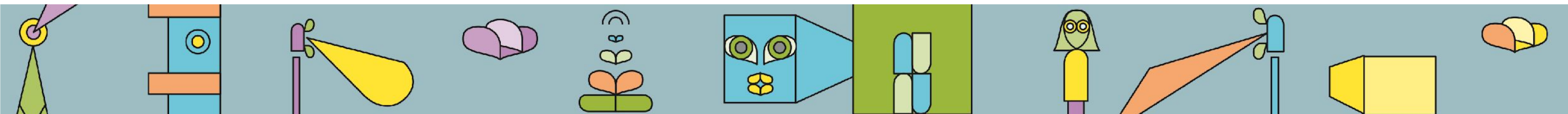
20+ municipalities have installed our devices

300+ projects made with Light Touch

10000+ km of lighting networks mapped

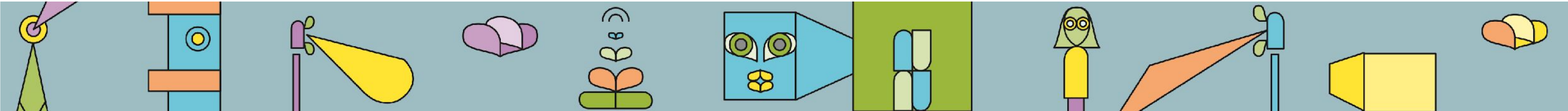**40+ Mln** of data handled by Light Touch every month

152 tCO2 saved in 2020

431 MWh saved in 2020

LOMBARDIA

LIGURIA

LAZIO

CALABRIA

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Outside Italy

Thanks to the great **versatility** and **simplicity of use**, Huna impacts the sustainability of **Spanish cities** as well
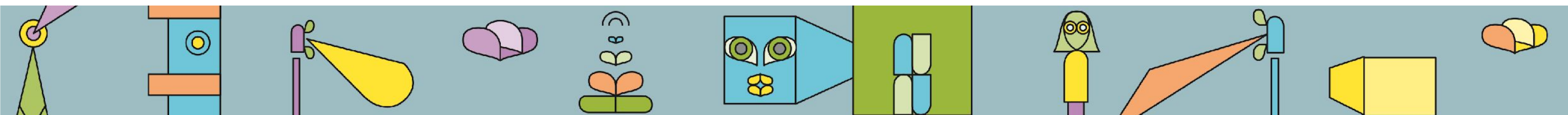
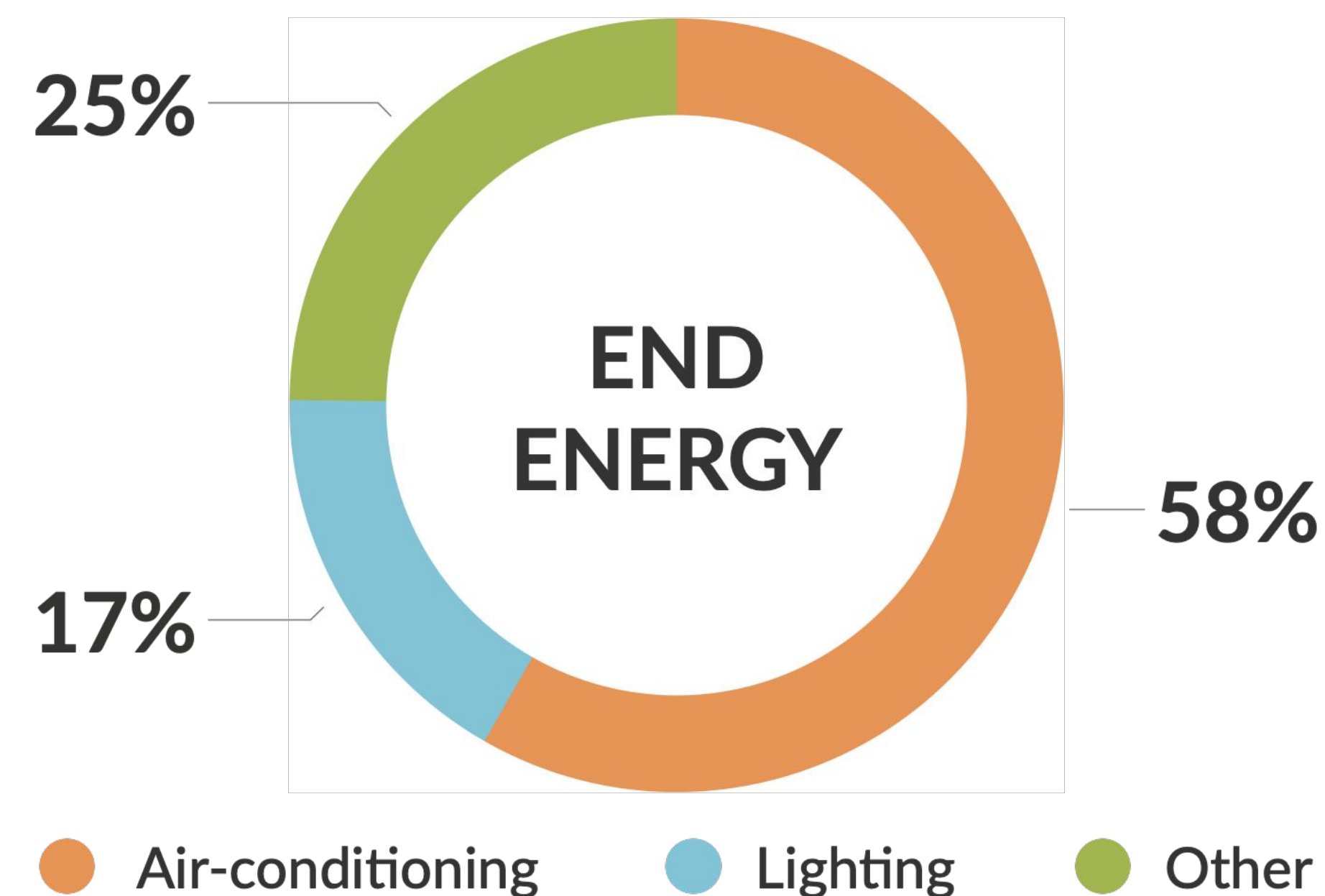BARCELLONA

In Europe **buildings** are responsible for **40%** of **energy consumption and** are the source of the **36%** of **CO_2 emissions**

Energy demand
2,3 TEP/ 100 m2

Costs
3000 €/year per 100 m2

25%

17%

58%

END ENERGY
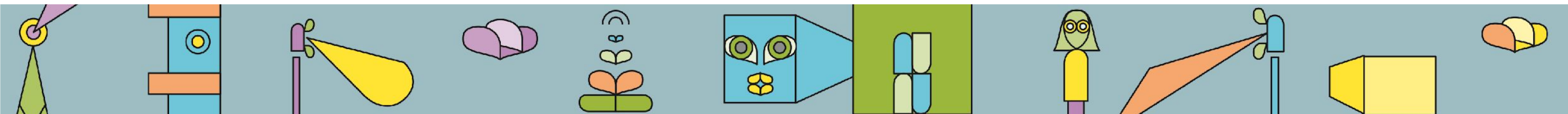
● Air-conditioning   ● Lighting   ● Other

home**buddy**

The **domotics** solution made by Huna for the smart building
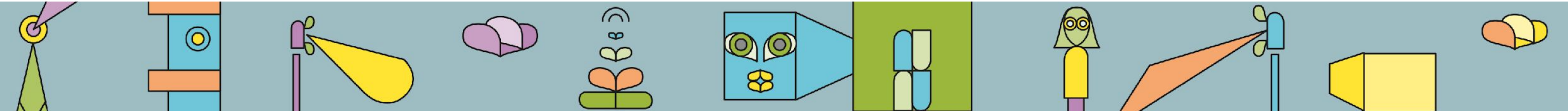
Through an app, HomeBuddy

- monitors **photovoltaic production**

- monitors **energy consumption** of the building and its main users (eg. heat pump)

- monitors the **level of the battery**

- **manages heat consumers**
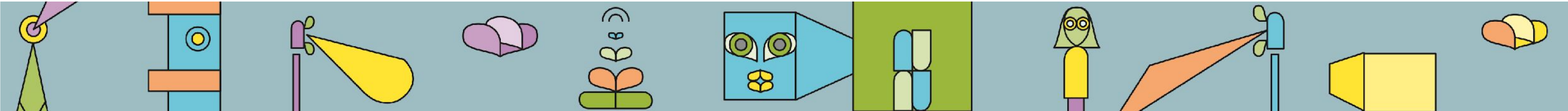
home **buddy**

Our Projects

- Gualini SpA headquarter, Bergamo
  - 6 solar power plants and general consumptions
- 2 full Houses
  - Superbonus 110%
- 25 houses ongoing
  - Superbonus 110%
- Sewage plant, Reggio Calabria

Why Huna

1. It is an **integrated solution**, made of a software and IoT devices, from design to management

2. **Reduces investment costs** for hardware devices

3. **It's easy** to integrate, install and utilize

4. **Halves** the **project implementation times**, from the proposal to the installation

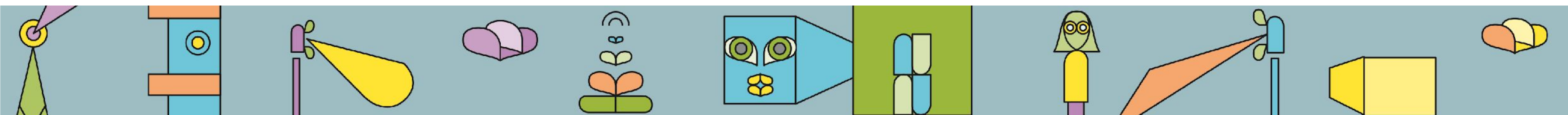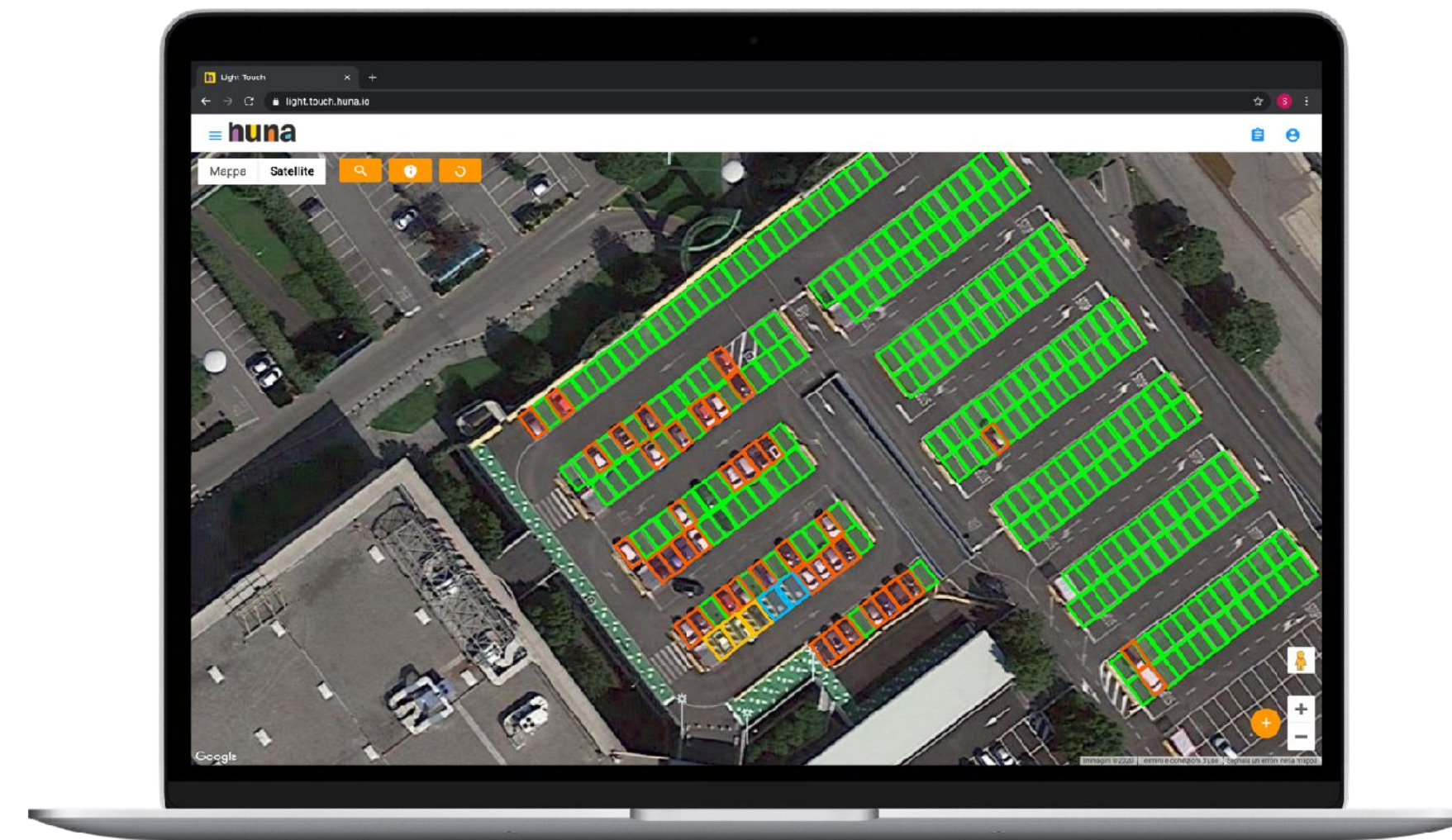5. **Integrability with third parties'** devices and softwares

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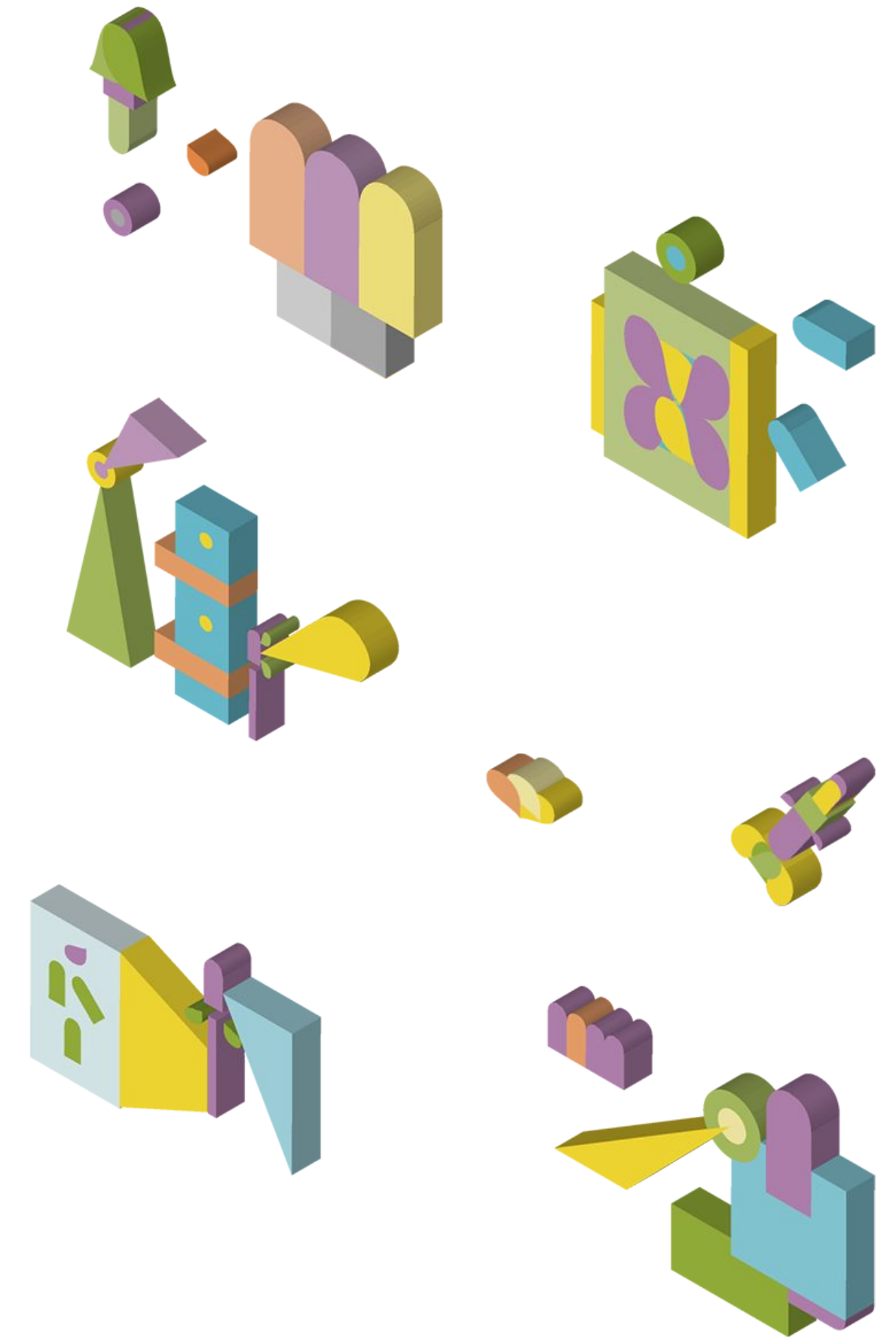
What if we enabled further smart city services and gather more data - all on the same platform?

Huna cares about mobility and environment, too
We have created solutions for **smart parking**, **traffic monitoring** and collection of **environmental data** - all on the same platform
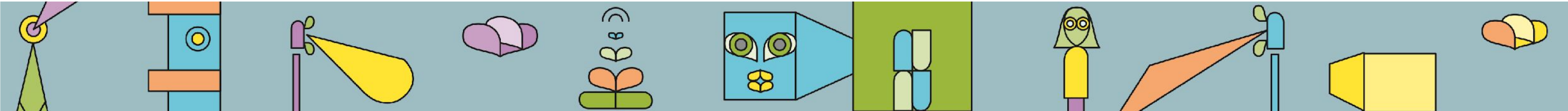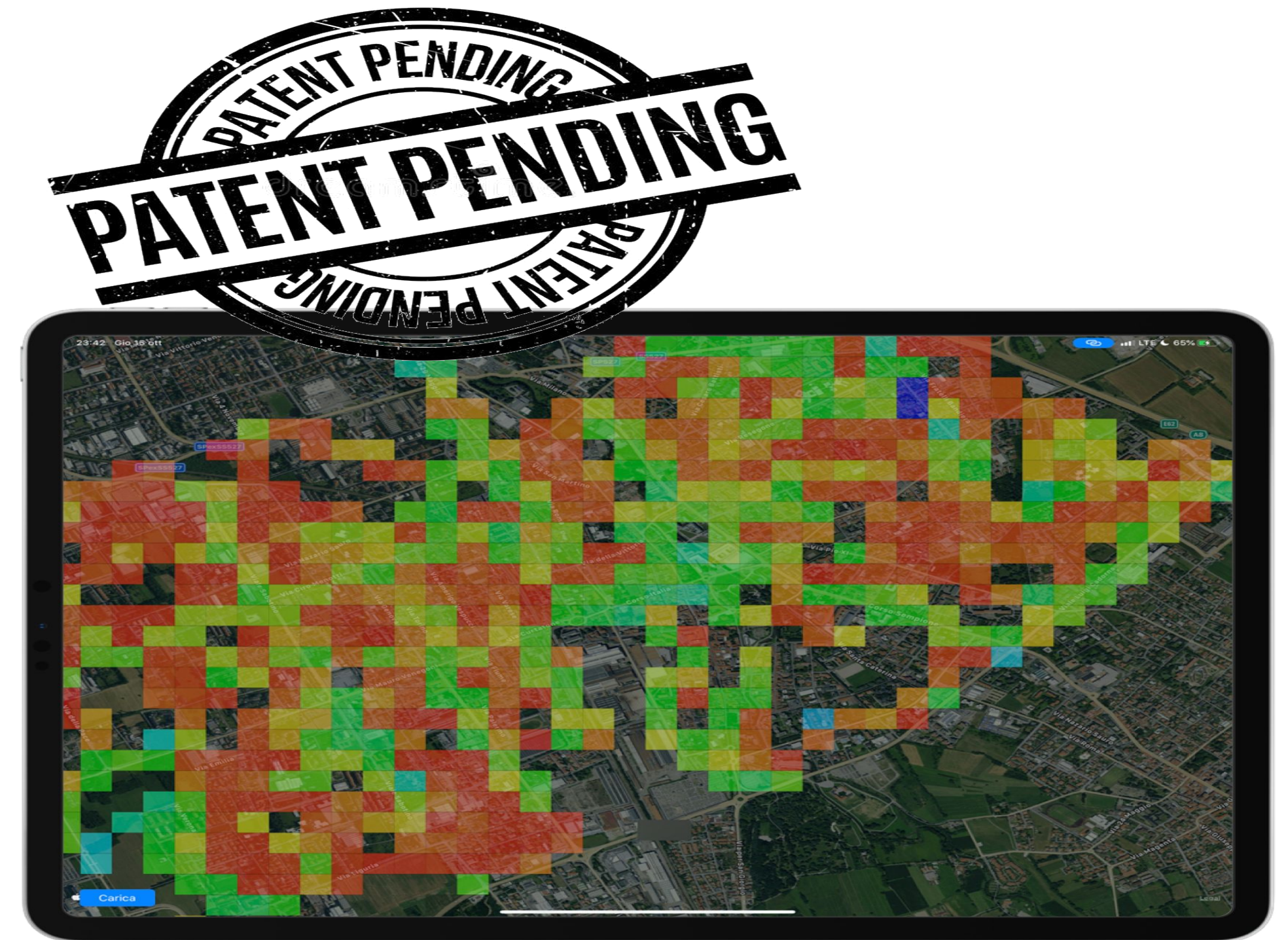
city sense

The innovative system for the **mapping of air quality**, made of a network of sensors and a cloud platform

Through **citysense** you get maps with **ultra high levels of detail** than today's devices

To obtain near-real time value maps, with a **street by street** detail, a city like **Milan** would need only **200 sensors**
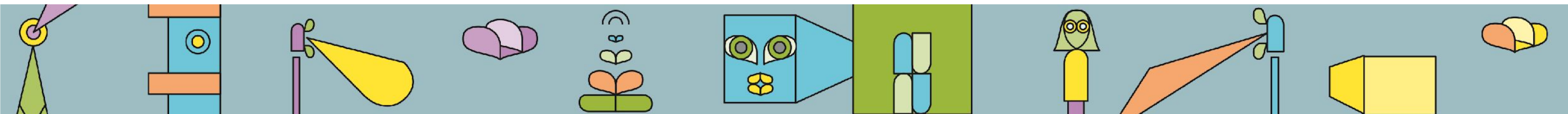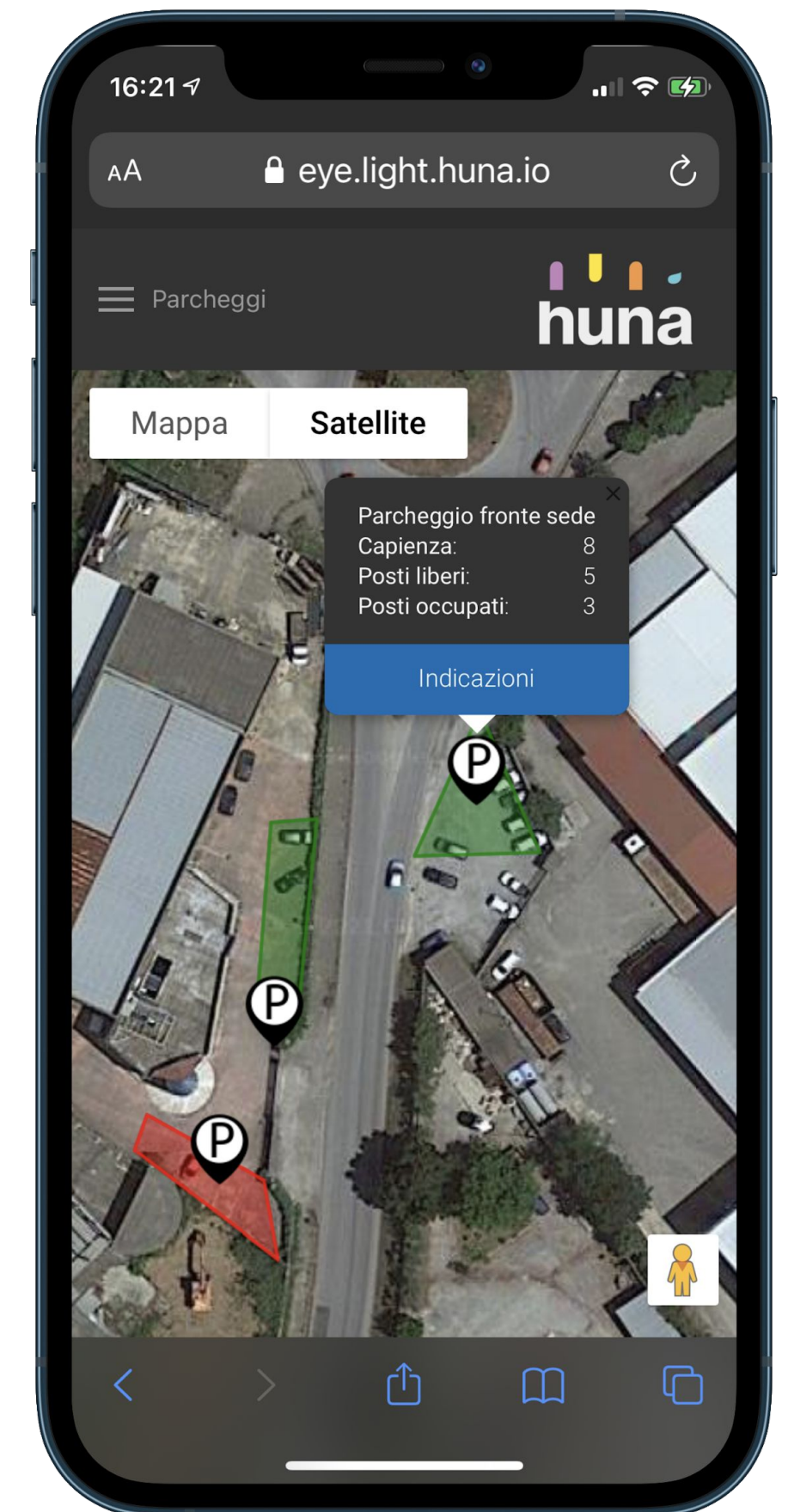
eye light

The **easiest** to install **smart parking solution**

Through EyeLight **drivers** can find **parking immediately**

The system works by **analyzing** the **images** through **Artificial Intelligence** from common **video surveillance cameras** and **guiding the driver** via an **App**

No sensors required - no need to disrupt the ground

Roadmap - eyelight & citysense
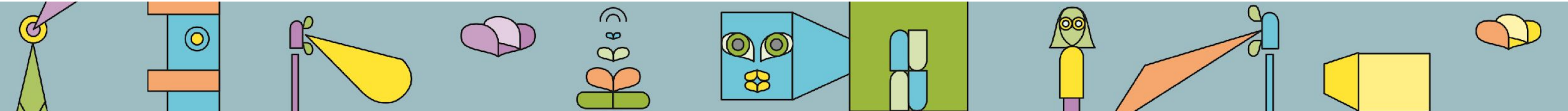
Pilot Projects and Living Labs

Go - to - Market

Scale Up

September 2022

2024

![huna — smart up the city]

Santo Lico
CEO & CO-Founder

Chiara Altieri
Financial & CO-Founder

Massimo Valente
SW Engineer

Alberto Ferrari
Business Development Manager

Simone Corallo
Advisor

Carlo Dell'Acqua
SW Engineer

Adriana Ferrari
SW Engineer

Danny Bottone
SW Engineer

Partners

![huna logo] huna
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https://youtu.be/iQGFW-fgpw8
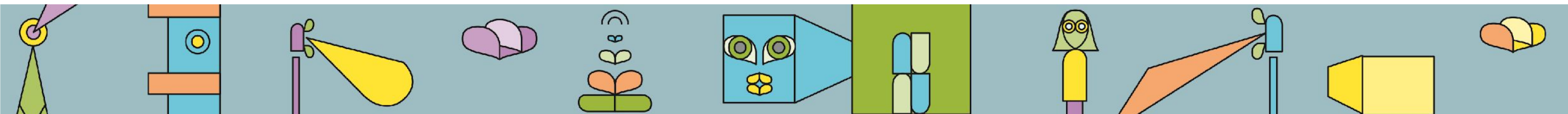
www.huna.io

info@huna.io

+39 0280896950