

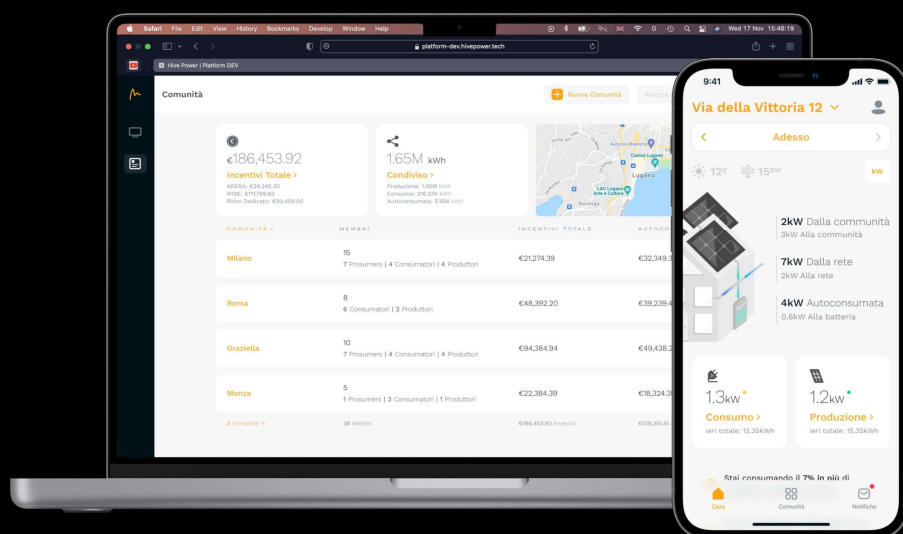


# HIVE POWER

Smart Energy Communities

HIVE POWER

Hive Power's  
subscription-based  
SaaS, **FLEXO**, enables  
companies to  
optimize and manage  
**anything connected to  
the grid.**



# Energy Communities

Sharing local renewable energy

Local use of green energy

Optimal allocation of Renewables

Electrification of Mobility & Heating



# Energy Communities

Sharing local renewable energy | Lugaggia, Switzerland



# Lugaggia Case: Innovation Community

Peer-to-peer self consumption and value for DSOs



## The challenge

- Local energy
- Residents & local entities
- Financial profitability

## What we did

- Flexibility assessment
- Demonstrated replicability & scalability
- Centralized battery for optimization

## The outcome

- Increased self-consumption rate
- Local green energy optimization
- Power bill savings

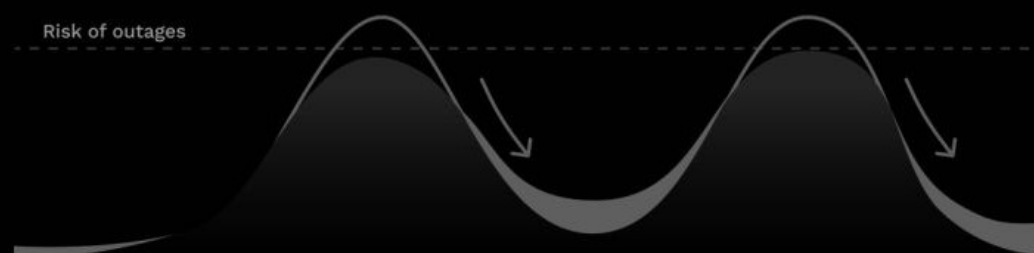
Confidential

# Flexibility Management







An increasing value for the flexible assets

Flexible consumers reduce grid stress and energy bills:

- reducing grid congestion and expensive grid upgrades
- limiting penalties for failing supply or demand balance
- avoiding buying energy when prices are high



## Flexible Assets

-  **Storage Systems**
-  **Electric Vehicles**
-  **Heat Pumps**
-  **Air Conditioning**
-  **DHW Heaters**
-  **Wet Appliances**

# Optimisation for Energy Communities

Takes a wide array of data points to facilitate a number of use cases



## New features

Consumers and prosumers facing a new experience, thanks to digitalisation and optimisation



Automated monitoring platform



Optimal control of assets



User engagement and analytics



Consumer/Prosumer facing app



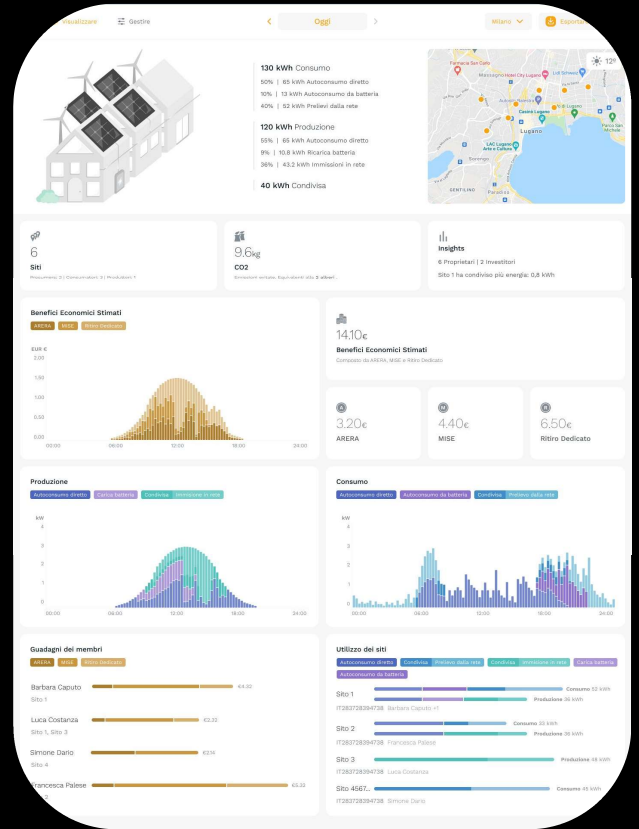
Custom financial models



**FLEXO**  
COMMUNITY MANAGER

## Features

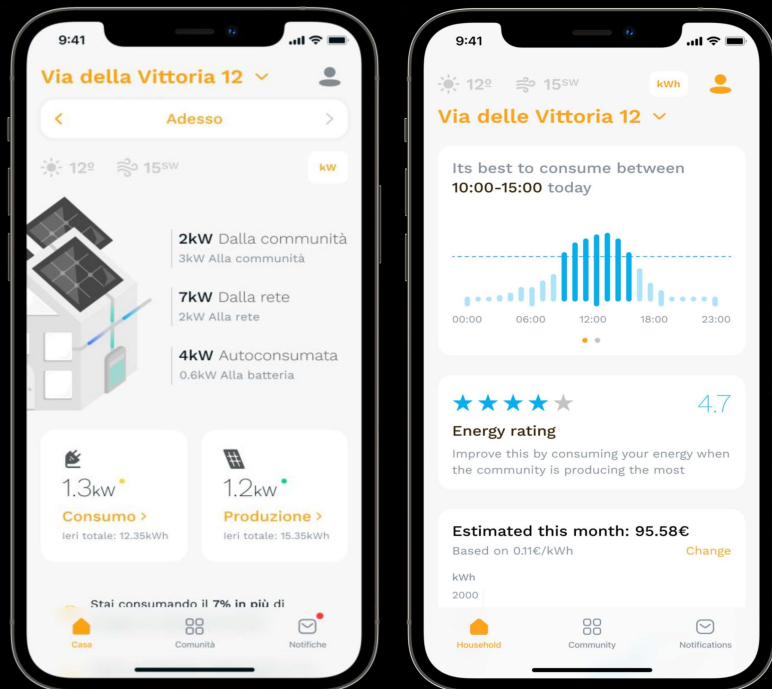
A **web app** to monitor production, consumption and much more.



**FLEXO**  
COMMUNITY MANAGER

## Features

A **mobile app** for end-user community members to see live analytics and insights wherever they are.





Let's talk!



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