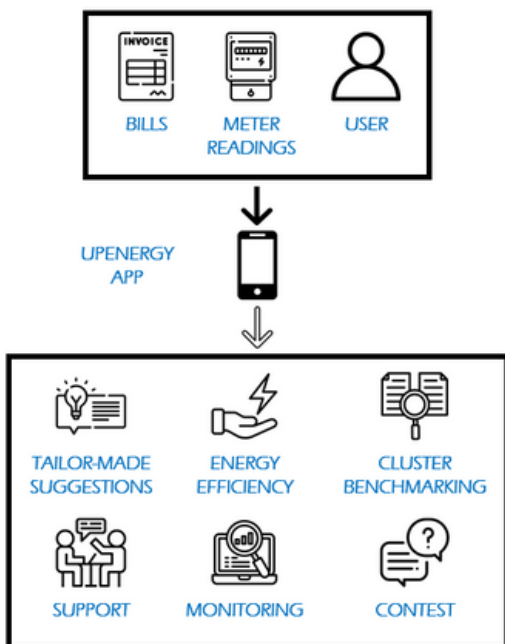




UPENERGY

APP TO CENTRALIZE AND MONITOR YOUR ENERGY USAGE

THE CONCEPT



ADDED VALUE

- Promotes efficient use of energy in companies and the administration
- Facilitates networking and mutual learning

TRL

7-8



CONTACT

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PRODUCT DESCRIPTION

- **Mobile App** that works as an **energy calculator** for all home energy consumptions
- The engine sorts **all the energetic information**, and easily displays daily, weekly, monthly and yearly consumptions per sources
- Based on bills and meter information (both electrical and thermal sources) and end-user self-characterization. Can incorporate real **data from Datadis**
- **Tailor-made suggestions** oriented to **end-user** and **cluster groups**
- Cluster benchmarking & group competitions to save energy

APPLICATIONS

For residential end-users through companies and public bodies, to get:

- Detailed knowledge of the energy consumptions sorted by sources and in a regular time-scale
- Oriented to user energy savings recommendations and tips
- Groupal contents to save energy through gamification scenarios
- Cluster benchmarking for smart comparisons

DESIRED PARTNERS

Local to supramunicipal public bodies, small to large companies, NGO and non-profit organizations.

EXPECTED BENEFITS

- Easy to understand
- Clustering of users
- Creates a network
- Reduces CO₂ footprint

technical details

FUNCTIONALITIES OF THE APP

- Characterization of the user through the definition of energy sources and consuming elements in the home
- Characterization of the user through access to their energy consumption data via billing and/or access allowed to Datadis
- Graphics of consumption according to different metrics and time periods
- Comparison of own consumption
- Comparison of consumption with third parties
- User-oriented energy saving recommendations
- Common and group energy saving challenges

PROGRAMMING DETAILS

- Open code "React native" Framework, in java script
- Backend: Python, bash and SQL
- App downloaded in Android/IOS
- CRM (web): Windows, Mac and GNU/Linux
- Uses Open Source data
- Database: PostgreSQL

IMPLEMENTATION

Energy communities within the Osona region (Catalonia), Xarxa de Dones Cosidores (Barcelona) and CIC have been beta-testers of the App.

