



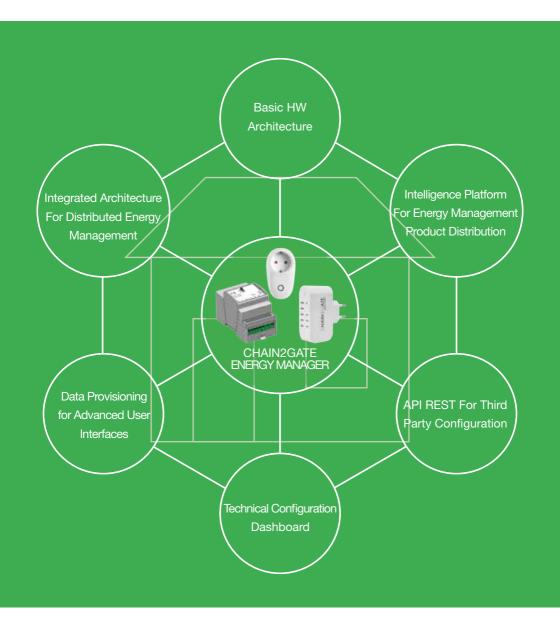




Plug&play, Standalone, Auto-discovery

Thanks to the Energy Manager, it is possible to know the energy footprint of your appliances quickly and easily, and in a timely manner. The solution, designed for both the residential and the corporate market, facilitates energy efficiency choices in order to save on bills and preserve well-being in buildings.

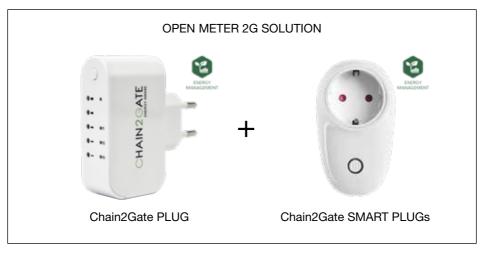
CHAIN2GATE ENERGY AWARE PLATFORM

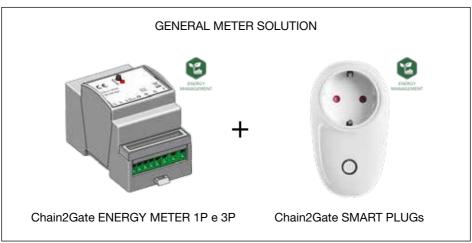


Solutions

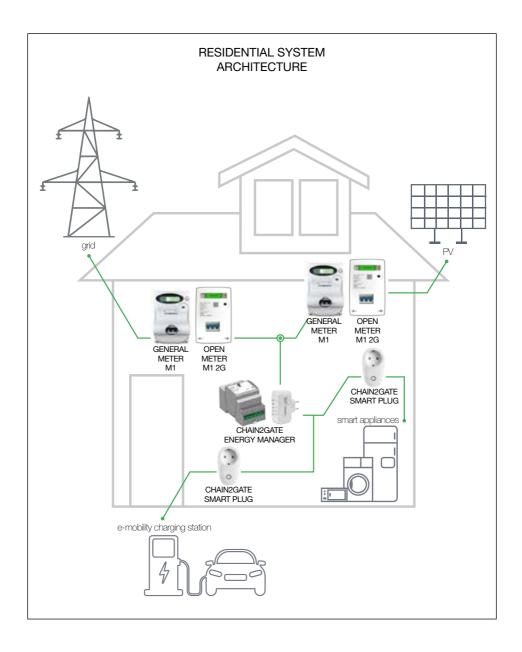
The Chain2Gate Energy Manager is an innovative solution and Chain2 native which integrates functions for monitoring energy consumption and load control.

Through Chain2Gate Energy Manager, it is possible to directly manage the loads. Thanks to Chain2 technology, the Energy Manager communicates with the Open Meter and enables energy management and energy awareness services in residential and commercial settings such as Small Offices and SMEs.





CHAIN2GATE ENERGY AWARE PLATFORM

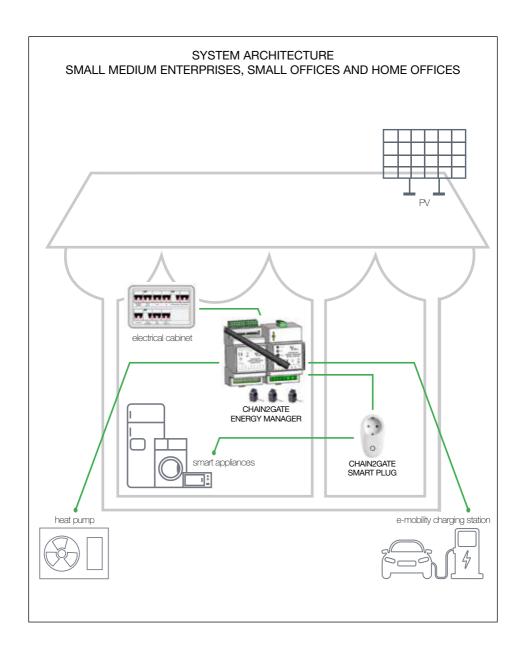


Solutions

In cases where the electrical panel is set up to control specific load lines (household appliances, lighting, and electric car charging stations for example), it is possible to adopt the following solutions for direct control of load lines and/or individual appliances via Chain2Gate SMART PLUGs.





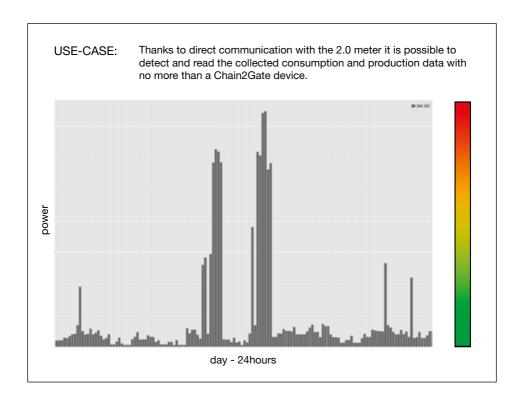


Features

WHAT ARE THE IMMEDIATE BENEFITS OF CONSCIOUSLY USING YOUR OWN ENERGY?

The awareness of consumption (collected and individual) and production:

- measuring and visualizing your own electricity;
- the ability to access reports of consumption, production, savings, etc.;
- the ability to set target thresholds for consumption and energy savings;
- the reduction of waste between from 7% to 10%.

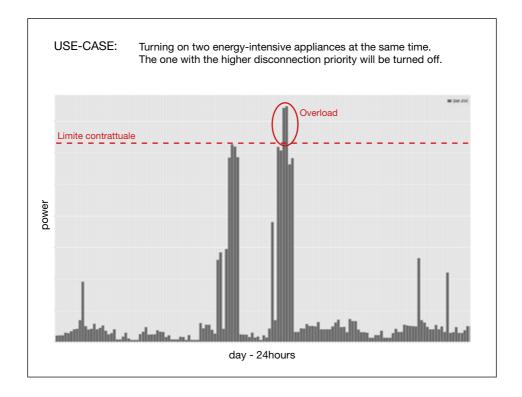




HOW CAN UNPLEASANT BLACKOUTS BE AVOIDED?

Advance notice of disconnection:

 when the available power is exceeded, the electronic meter implements a disconnection policy. The Chain2Gate Energy Manager (automatic coordinating system), enables the control of the main loads with its intelligent devices and with logical priority in order to avoid any possible power disconnection.

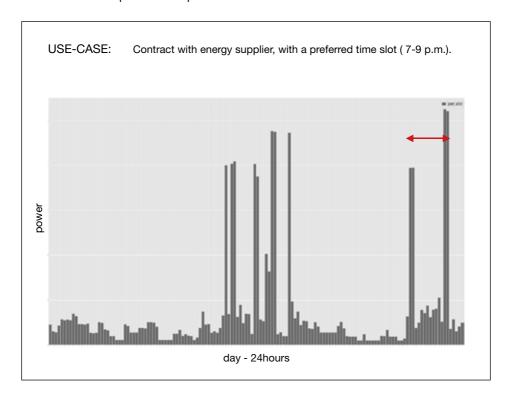


Features

HOW CAN YOUR ENERGY CONSUMPTION BECOME GREENER, MORE EFFICIENT AND MORE ECONOMICALLY CONVENIENT?

Cost reduction:

- it is possible to schedule the start-up of loads by activating them in the time slots that are most convenient as well as avoiding rush hours. In the case of Smart Meter 2G in Italy, the time slots are communicated directly through CHAIN 2;
- the customer optimizes the absorption from the network during the most economically convenient times by "shifting" its loads (Load Shifting). The priority loads (set up by the user) are activated according to the most advantageous consumption ranges given by CHAIN 2 which can then optimize absorption from the network at the most convenient times.

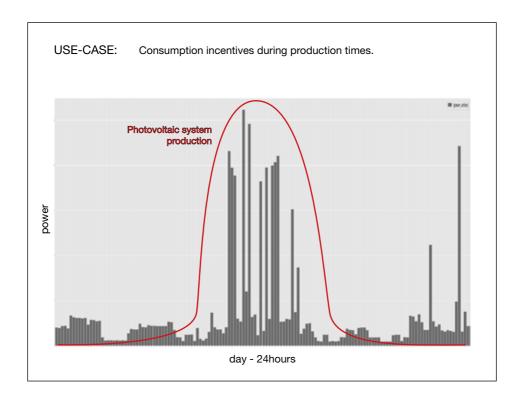




HOW CAN YOUR ENERGY CONSUMPTION BECOME GREENER, MORE EFFICIENT AND MORE ECONOMICALLY CONVENIENT?

By maximising the self-consumption of photovoltaic production:

- in the presence of local generation plants (photovoltaic, for example) and accumulation systems, it is possible to program the ignition in order to maximise self-consumption;
- in the presence of renewable energy systems, it is possible to choose the priority appliances to which a possible surplus of energy can be allocated (electric car charging stations, the boiler, the heat pump, etc.).

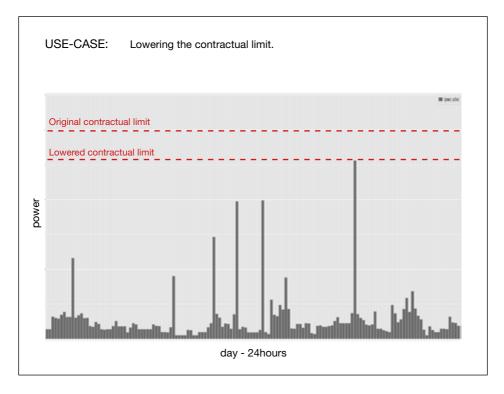


Features

HOW CAN YOUR ENERGY CONSUMPTION BECOME GREENER, MORE EFFICIENT AND MORE ECONOMICALLY CONVENIENT?

By reducing peak demand:

- making it possible to schedule the switching on of the load in order to avoid exceeding certain power thresholds, set personally by the user, imposed by the Energy Distributor for grid balancing or for peak hours aimed at reducing the global energy consumption (see European Commission instructions);
- making it possible to configure which loads are considered to be the priority in case
 of a power failure and in accordance with the consumption of individual loads (Peak
 Shaving), and maximising energy management through the automatic shifting of
 energy consumption by avoiding peak hours.



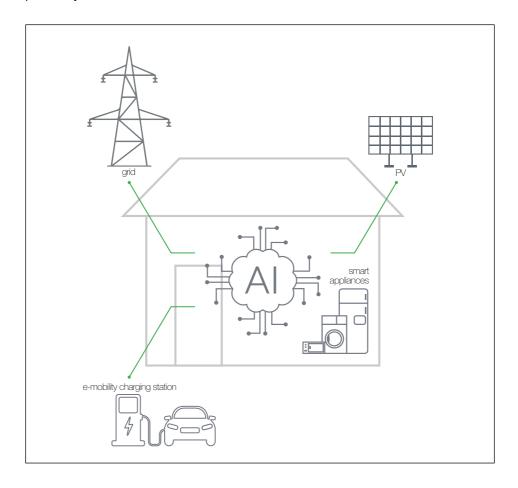


Future Development

Management policies based on Artificial Intelligence (AI)

Thanks to **Artificial Intelligence (AI)**, it is possible to implement a system that can learn the user's needs and habits for load usage.

This system will be able to manage load activations autonomously, respecting the previously described constraints.



FAMILY OF PRODUCTS

CHANGE	The Chain2Gate PLUG can be used by plugging it in to any electrical outlet, connecting it to the Wi-Fi network and pairing it with your own 2G meter via APP procedure, available both on Mobile and PC.
Vol.	The DIN Chain2gate, which is recommended for connection directly to the switchboard to ensure that it works quickly and is always active.
	The Chain2Gate ENGINE is proposed as an OEM solution to be inserted directly into products such as home appliances, heating appliances, inverters or electric charging stations, thereby transforming them into CHAIN2 native products.
Voc.	The Chain2gate DIN LTE is able to meet the needs of long range communication in the absence of Wi-Fi communication.
Taranta Anna Anna Anna Anna Anna Anna Anna	The Chain2gate DIN LoRaWan can meet the needs of short range communication within an apartment building; it is recommended for connection directly to the electrical panel and it guarantees data collection that is fast and always active.
Land Land	The Chain2gate ENERGY METER LoRaWan can facilitate the transport of production and consumption data to the Network Server.

CHAIN2GATE

