



WeSave

An energy monitoring platform.

WeSave is a flexible technology solution for monitoring energy consumption and other environmental parameters in buildings or industrial settings.

WeSave focuses on capturing all kinds of data on both energy consumption and other external parameters that help define whether the use of energy is being efficient (temperature, humidity, person count, etc.).

Scenario:

If only it were possible to monitor everyone's status today. Energy consumption is one of the main costs for business and government, which is why its efficient control, efficient control and management are necessary. Moreover, complex systems need custom monitoring for energy and other possible parameters such as temperatures and number of people inside the facility.

Solution:

WeSave is a flexible platform designed to monitor all kind of environmental parameters. WeSave can incorporate a multitude of sensors to measure different environment variables of interest, such as temperatures and energy consumption.

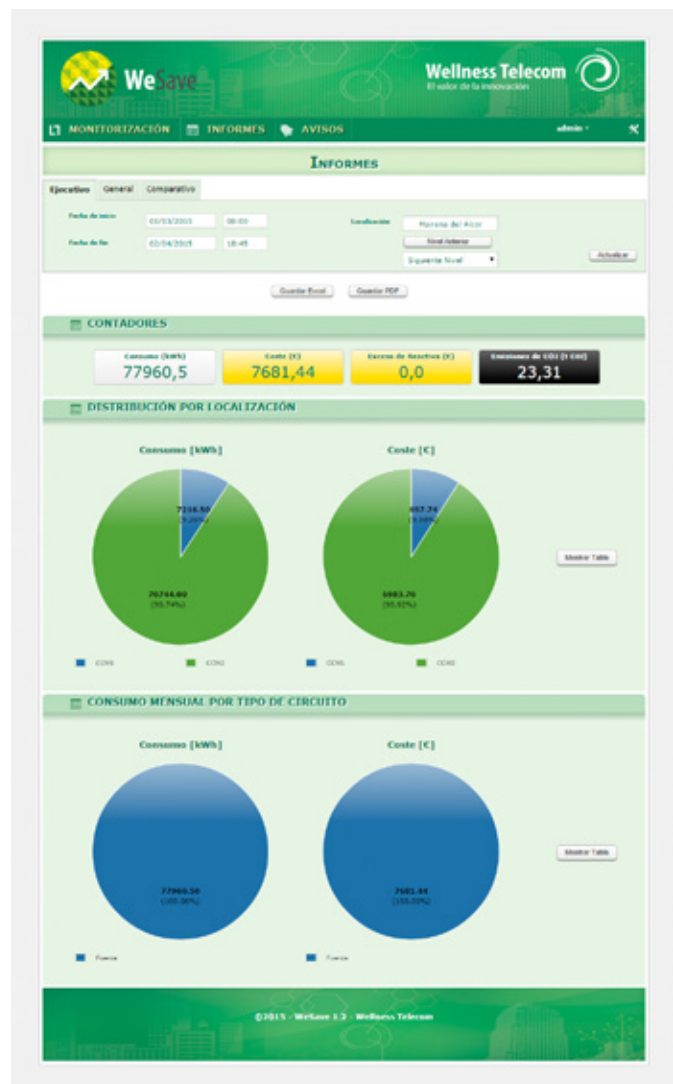
The IP-based communications architecture centralizes information in a simple dashboard. In addition, its open architecture makes it compatible with existing systems and allows the inclusion of new elements.

WeSave can incorporate various types of sensors:

- People counter, in order to correlate this information with the energy consumption of a given location.
- Presence detectors, to prevent intrusion, theft and burglary.
- Temperature probes.

Applications:

- Energy Management in Buildings.
- Improving energy management in WWTPs (Waste & Water treatment plants).
- Cable theft detection in electrical substations.



Benefits:

- Be able to monitor as many circuits as needed: climate, lighting, IT, computer equipment, machinery, etc.
- Gather information from other sensors.
- Analyze and identify where fluctuations are occurring thanks to its capacity for information segmentation.
- Access the web tool from anywhere with an internet connection.
- Implementing behavior and use policies.
- Educating organization members on energy saving habits.

How does it work?

MONITORING

WeSave captures consumption information from the various circuits in a building for further processing. WeSave monitors the different types of energy consumption (Lighting, HVA, IT, etc) thus providing useful and highly detailed information for efficient management.

ANALYSIS

WeSave keeps track of the different consumption sources and notifies detected fluctuations suggesting corrective actions. When an anomaly occurs it enables a faster reaction time and increases efficiency and savings.

PERFORMANCE

WeSave can communicate with different control solutions for air conditioning, lighting and hardware. Thus, based on the information obtained it is possible to activate the most convenient policy that generates the most savings.

WeSave has an architecture and open communications protocol that allows existing systems to be integrated, so the number of supported solutions increases daily.

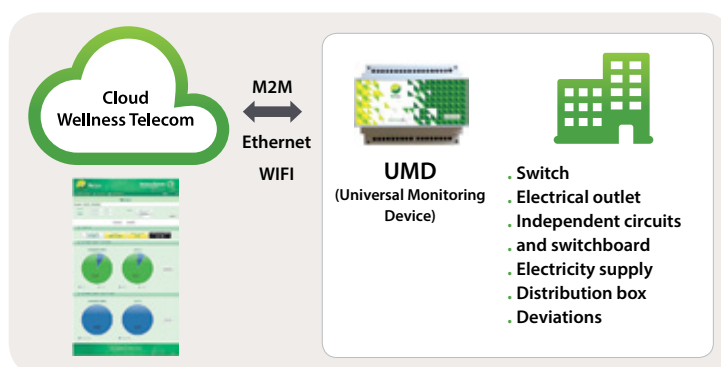
AWARENESS

How a building is equipped is only a portion of its savings capacity. User consumption is a key factor and awareness is therefore critical.

WeSave is also an awareness platform, from which you can send personalized information about a building's achieved energy efficiency to its users (email, mobile phone, apps, etc.).

Solution online:

The WeSave architecture is composed of various elements: the software tool for monitor and data analysis, the data collection equipment and the communications equipment.



The data collector is placed in the electrical panels of the building and includes a control unit (UDM, Universal Measurement Device), and other internal or external sensors (e.g. temperature).

The software component runs on Wellness Smart Cities' servers in the cloud under a SAAS mode, based on a monthly fee per electrical panel box. This reduces the need for CAPEX, lowers the operating costs and provides great flexibility. Alternatively, the system can be installed on customers' premises. Any existing system that leverages the clients' own internet connection (WIFI, Ethernet, etc.) can be used for communication, as well as GPRS (or other independent connection) if independence from pre-existing facilities is desired. Whichever the case, the solution works with any type of communication system.