Main features

V8

Definition of global energy policies

Automatic energy planning and review

Definition and continuous monitoring of energy objectives, targets and implementation plans

Operational monitoring and control

Simplification of internal audits of the EnMS and management reviews

Full compliance with ISO 50001 and IPMVP

And all the features of Smarkia Monitor

WHY SMARKIA?

Flexibility
Multi-vendor, multi-protocol, multi-energy

Simplicity
A comprehensive energy management platform

Cost and time efficiency
Save time and expense at all levels of the process

Reduction of environmental impact
Helps to reduce CO_2 and other greenhouse gas emissions

Scalability
With the SMARKIA Cloud platform you can manage all your measuring points
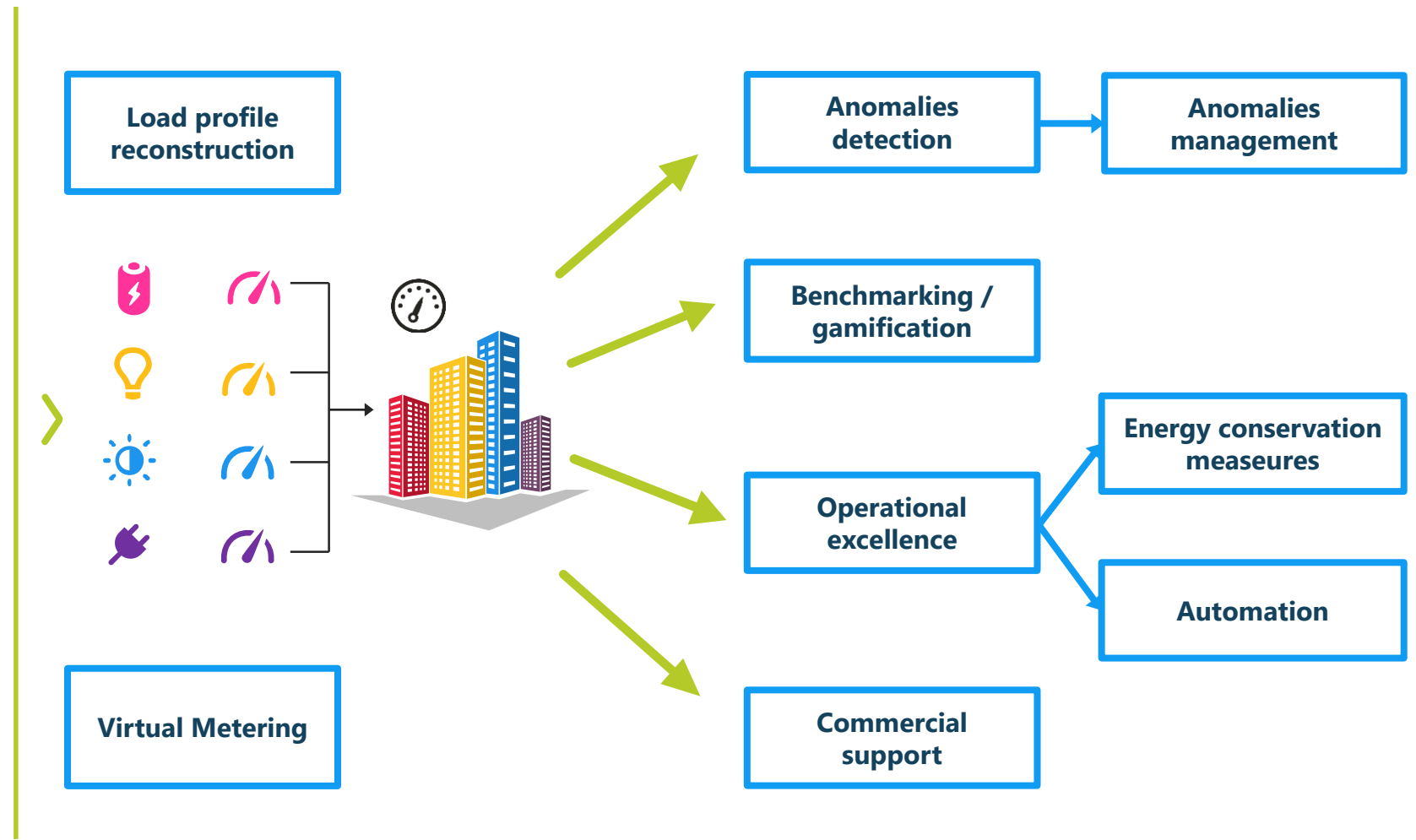
Accessibility
Anywhere, anytime

Security
SaaS platform with maximum security and confidentiality

Fast, easy implementation
No licences or specific hardware are required. Minimal set-up time and cost

AI-POWERED ENERGY ANALYTICS

CNN
GAN
LSTM
AE
ONE SHOT LEARNING

Load profile reconstruction

Virtual Metering

Anomalies detection → Anomalies management

Benchmarking / gamification

Operational excellence → Energy conservation measeures
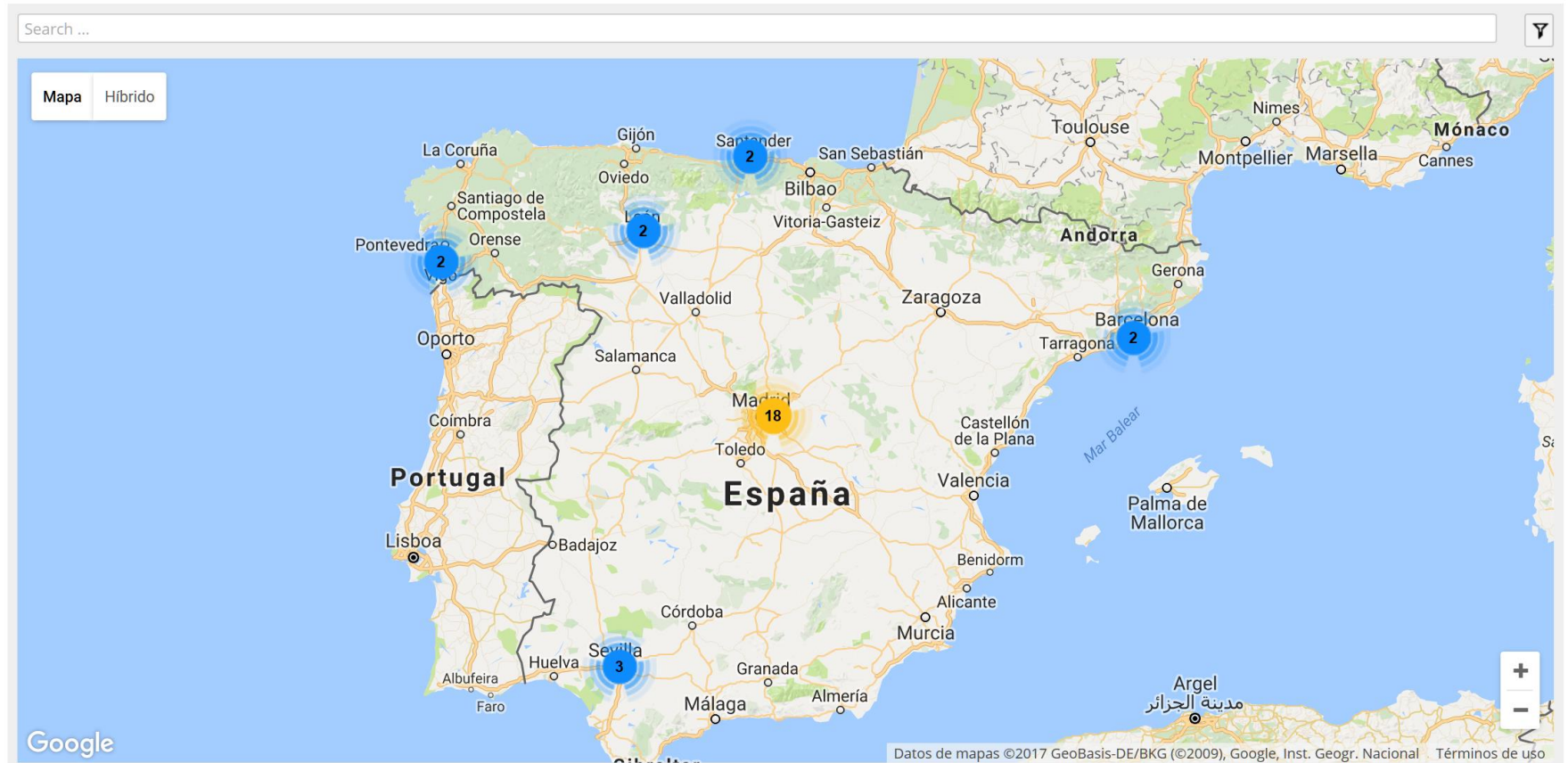
Automation

Commercial support

TELEMETRY

❭ Multi-Energy monitoring (electricity, gas, water...)

❭ Agnostic regarding measurement technology

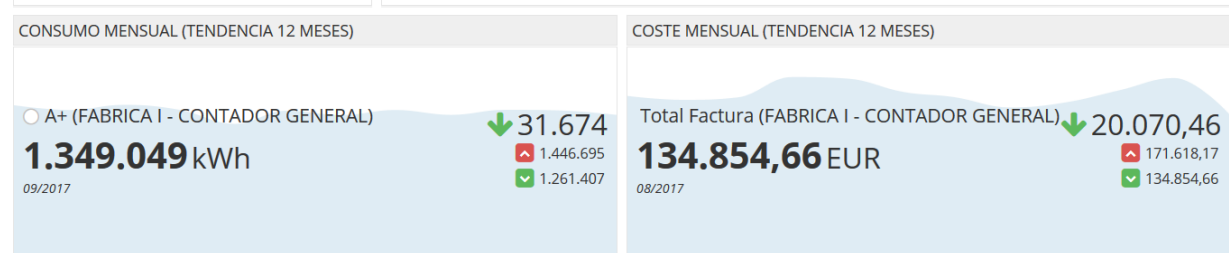❭ Compatible with new IoT protocols (MQTT, Sigfox ...)

❭ Multiple read frequencies (including Real Time)

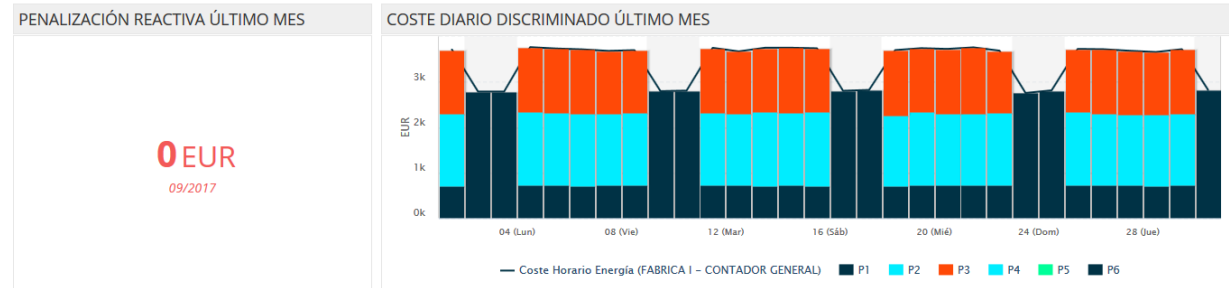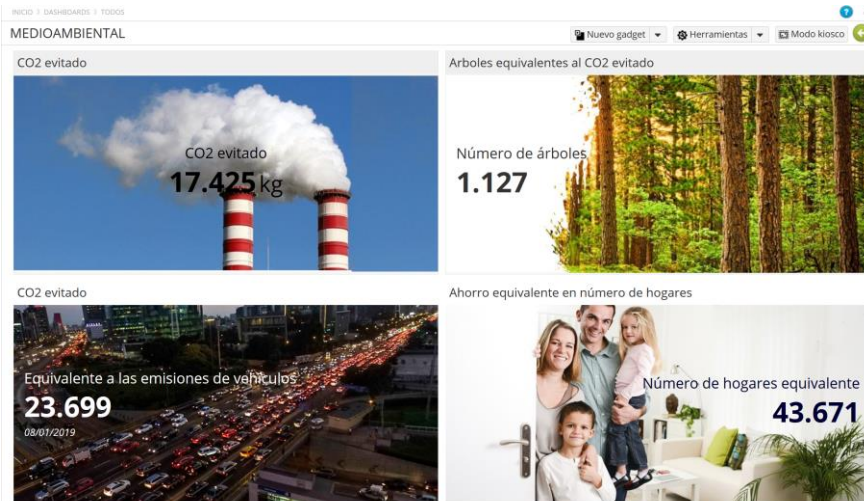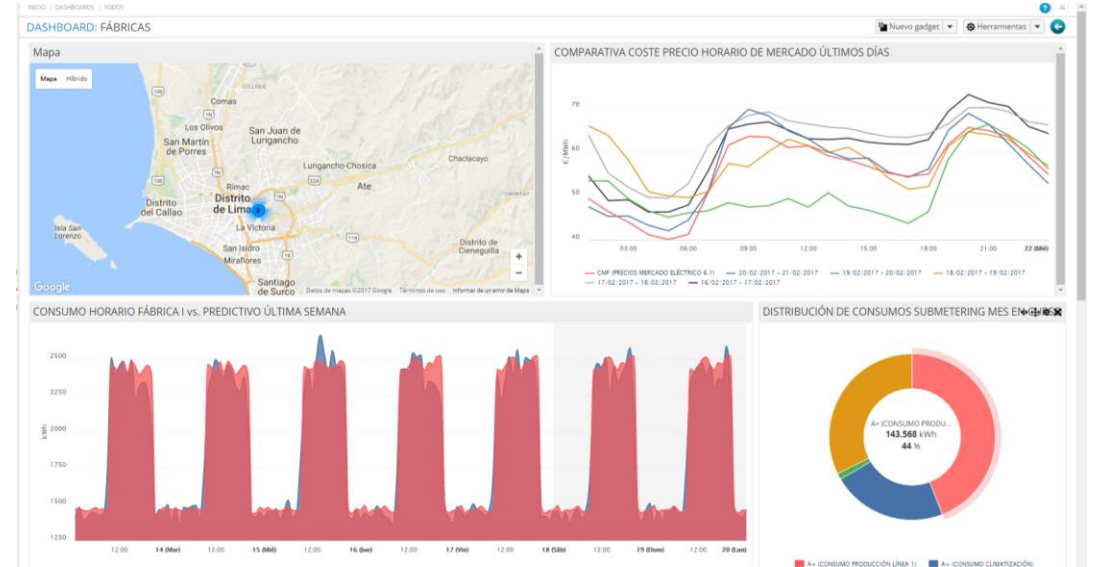# GEOLOCATION

CUSTOMIZED DASHBOARDS

KIOSK MODE

Equivalent trees to the CO2 avoided
Number of trees
2,010

Avoided CO2 emissions
17,031 Kg

Equivalent to vehicle emissions
20,511
13/03/2019
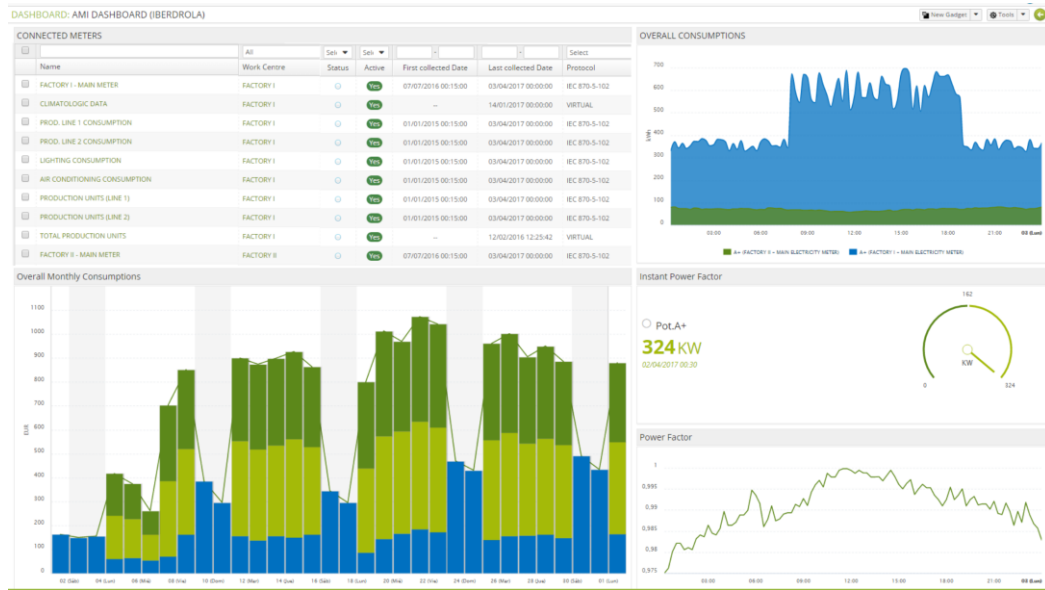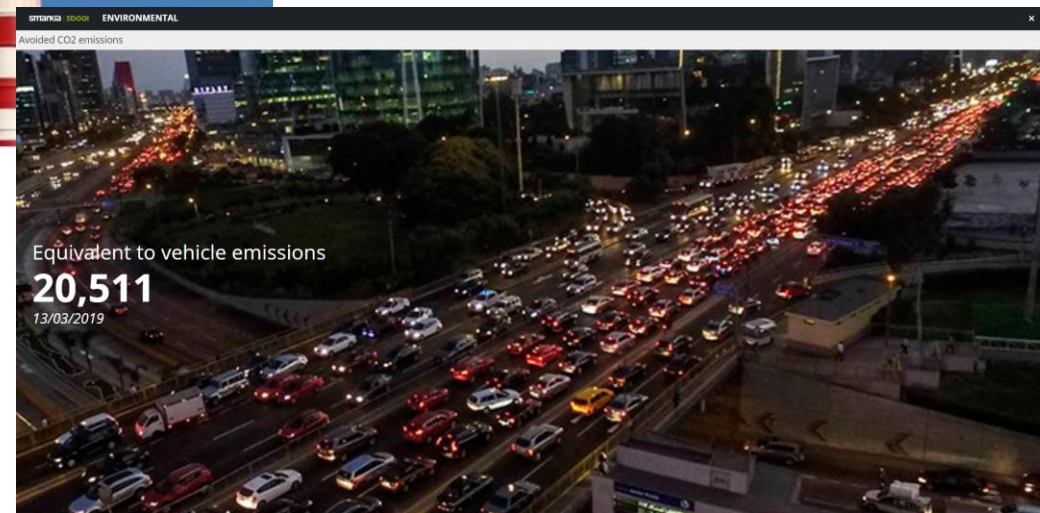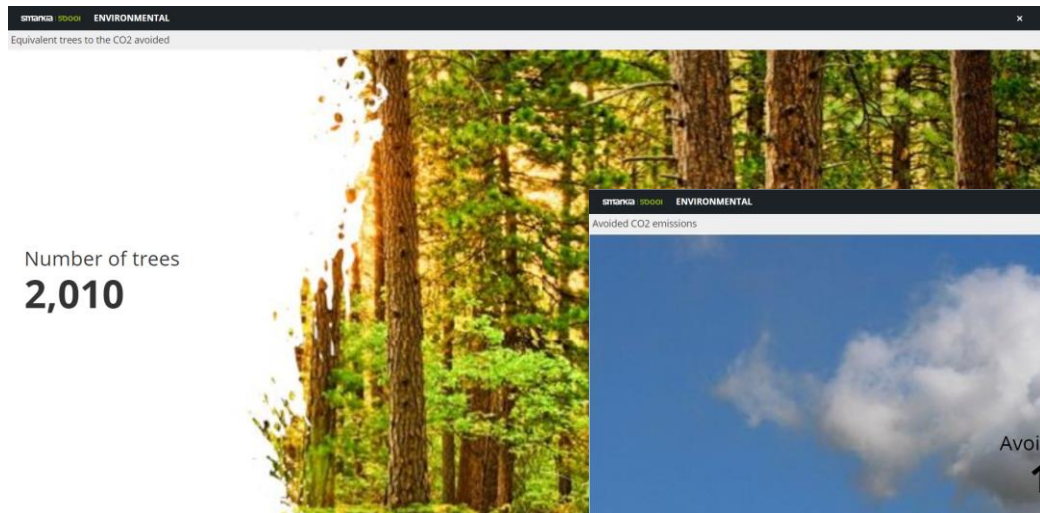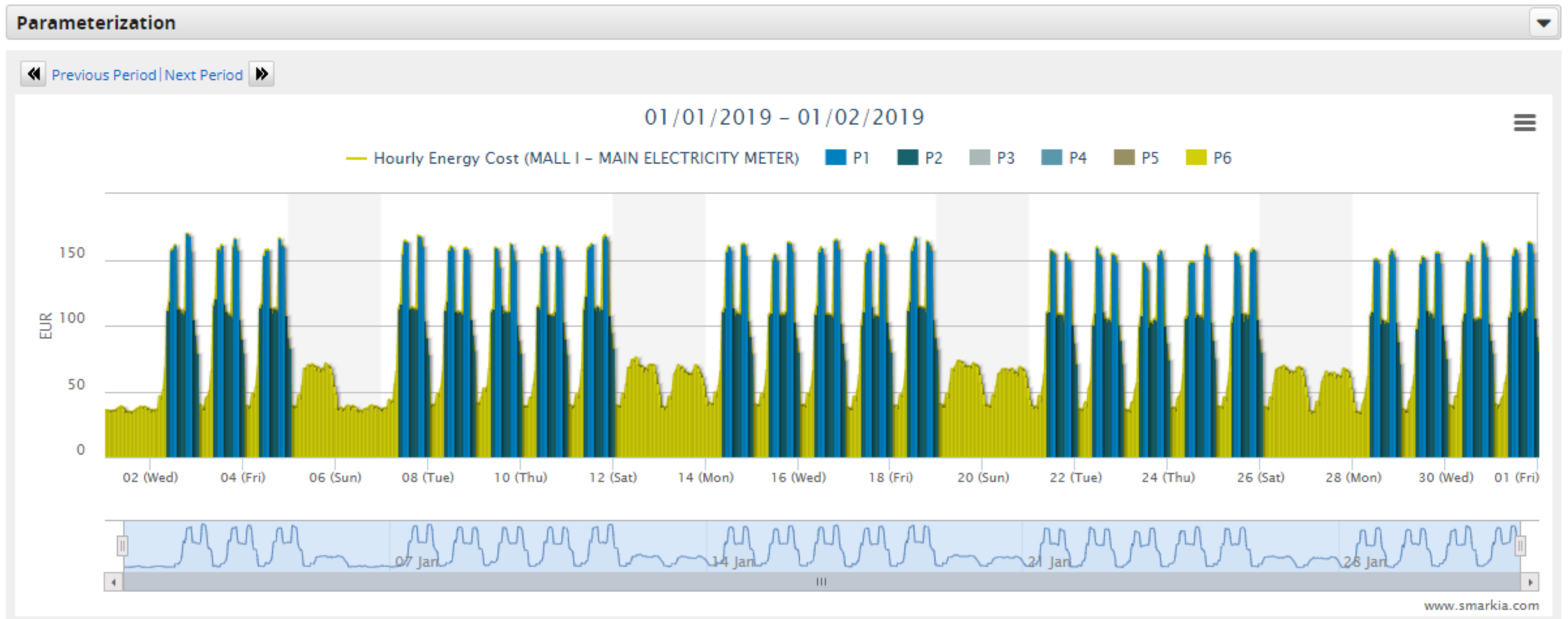
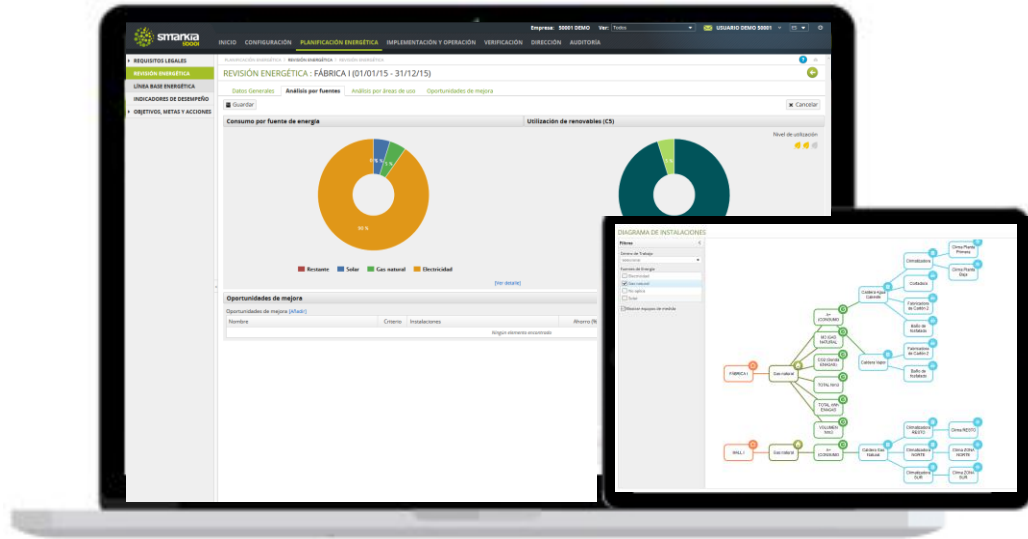# MULTIPLE MAGNITUDES (TECHNICAL, ECONOMIC, ENVIRONMENTAL...)

DEFINITION OF GLOBAL ENERGY POLICIES

› Smarkia 50001 offers simple tools to plan all the activities needed to implement different energy policies (ISO 50001 e IPMVP) and compliance with legal requirements

Objetives

**Action plans**

Goals

ENERGY PLANNING AND REVIEW

Simple performance and documentation of energy planning consistent with the policy established. Smarkia 50001 configures the areas of use automatically and allows planning all the activities necessary to improve the energy performance.

Through an in-depth review energy, the tool indicates the areas where the energy consumption is more significant and automatically identify savings measures.

SANKEY DIAGRAMS
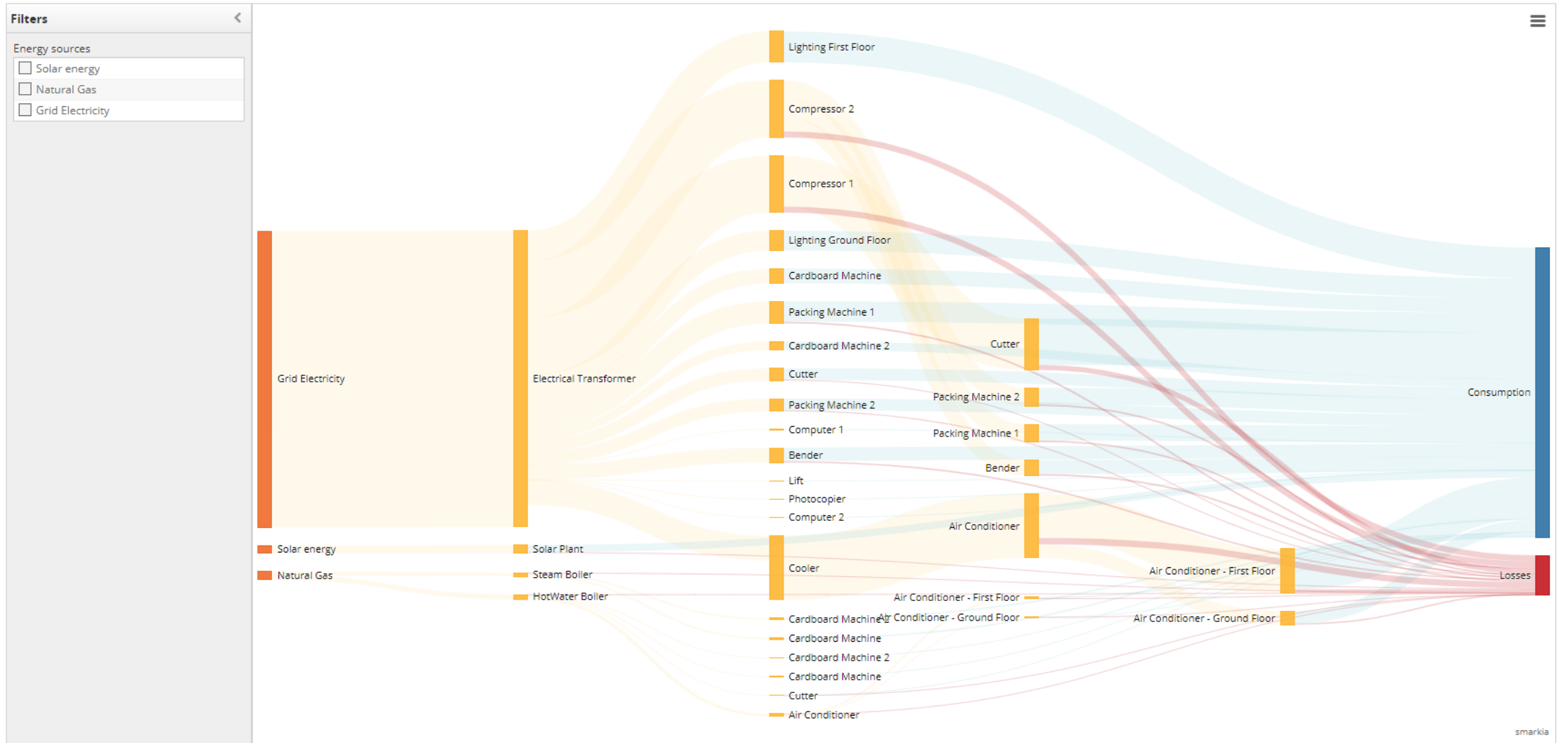
〉 DEFINITION OF OBJECTIVES, GOALS AND PLANS

Smarkia 50001 allows establishing energy saving measures and opportunities for improvement that are more convenient for the organization, among the proposals in the energy review process in this way constituting the goals for improvement

KPIs

› Automation of monitoring energy performance indicators and with alerts on any disparity, simplifying the management of non-compliance, corrective and preventive actions.
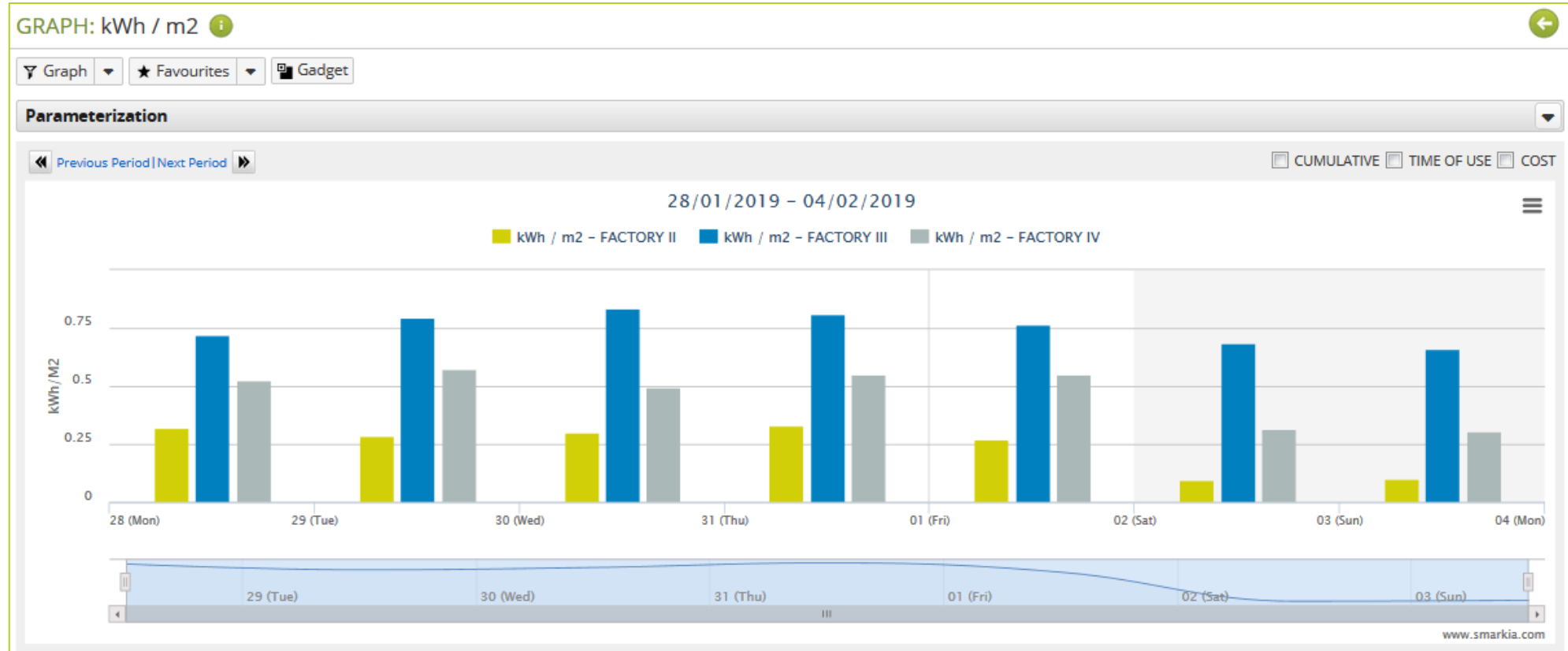
ALERTS

› Automatic notification of deviations, errors, anomalies, excesses …

Calendar of activation

☐ Any

Name	From – To Time	Week days	From – To Date	Acti...	⊕
Night consumption		Mo, Tu, We, Th, Fr, Sa, Su	01-JAN - 31-DEC	🗑	

Select hourly interval:

☐ The whole day

00:00 ⌃⌄ | ⌃⌄ | ⊕

No value set

✔ Accept

INFRASTRUCTURE ALERTS

Notification

☐ Active notifications alert

Additional notifications

Email / Group	User type	Acti...	⊕
50001_EN@smarkia.com	Internal	🗑	

Current   Log

✔ Accept   ▼ Filters ▼

List of active infrastructure alerts

☐	All ▼			Select ▼	Select ▼	-	
	Work Centre	Measuring device	Measurement	Energy Source	Select		Action
					🟡 Outdated		
					🔴 Communication problems		
					⚪ Updated with hold		
☐	FACTORY I	COOLER SOUTH CONSUMPTION	COOLER SOUTH CONSUMPTION	Electricidad		9 10:00	✔ 🗑
☐	FACTORY I	COOLER SOUTH CONSUMPTION	COOLER SOUTH CONSUMPTION	Electricidad			
☐	FACTORY I	COOLER SOUTH CONSUMPTION	COOLER SOUTH CONSUMPTION	Electricidad			

smarkia in 🐦
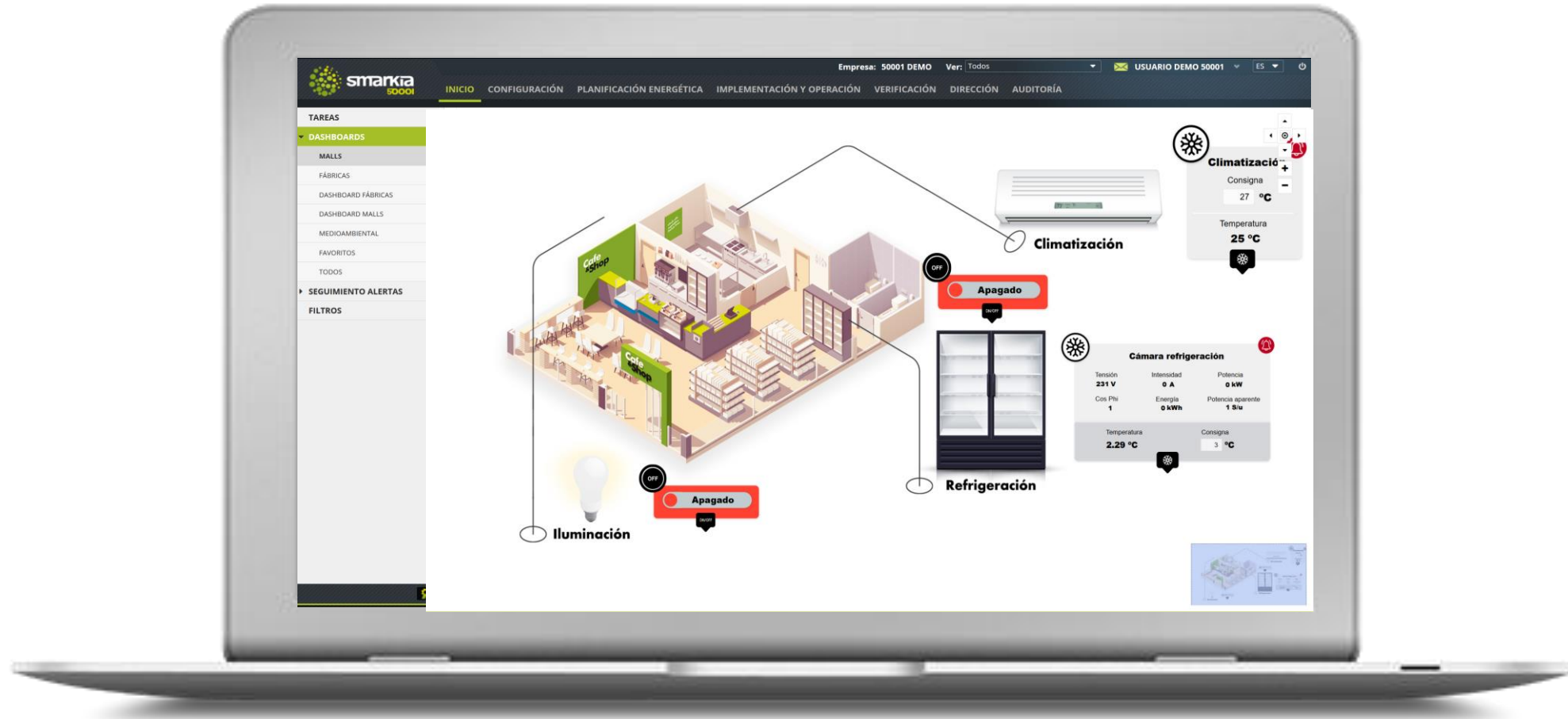
BASELINE AND PREDICTIVE ALGORITHMS

› Automatic calculation of baselines through advanced algorithms.
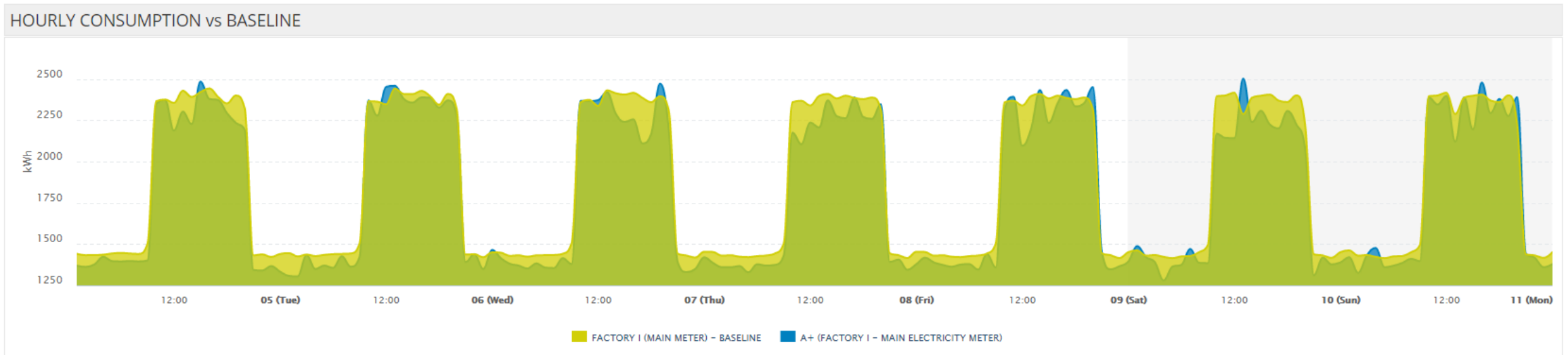
AUTOMATION

› Control system to operate facilities in real time, manually or through AI algorithms, that can generate savings of up to 30%.

TASKS MANAGEMENT AND NOTIFICATION SYSTEM

› Simple management of the tasks of all those involved in the energy management system of an organization. Total traceability and web/app follow up.

INTERNAL AUDITS

The internal audit process required by ISO 50001 becomes a simple task, since Smarkia automatically provides the specific information on what is occurring at each moment.

REVIEW BY MANAGEMENT

› All the information on the energy performance of an organization at a click. Make consultations and extract reports anytime and anywhere, and direct the future energy of its business thanks to Smarkia 50001.

Managemente review tracking

Area	Supervisor	Start D.	End D.	Status
Tracking of past management reviews and energy policy	EMS MANAGER MALL	--	--	Not completed
Energy performance - indicators- Achievements of objectives - Next period energy projection	EMS MANAGER MALL	--	--	Not completed
Legal requirements - Internal audit - Corrective and preventive actions	EMS MANAGER MALL	--	--	Not completed
Improve recommendations	EMS MANAGER MALL	--	--	Not completed
Management review results	EMS MANAGER MALL	--	--	Not completed

❯ Generation of personalized reports on the degree of attainment of goals such as the savings obtained or disparity regarding goals and on the different parts of energy management process.
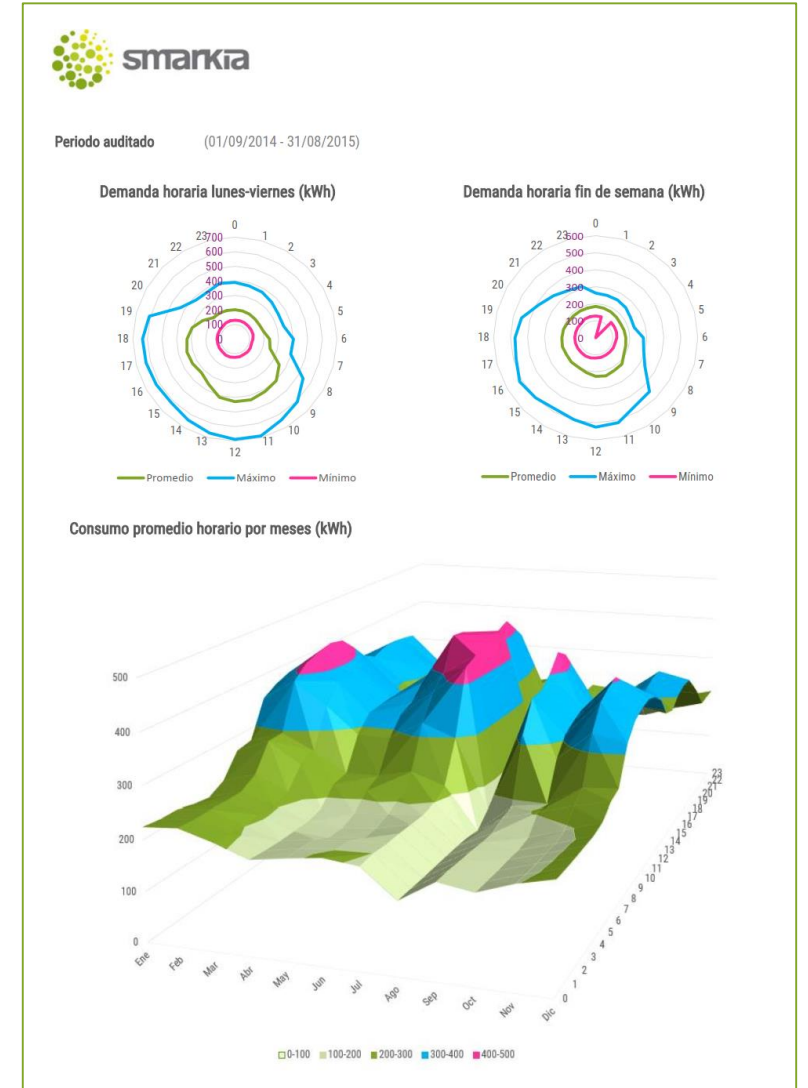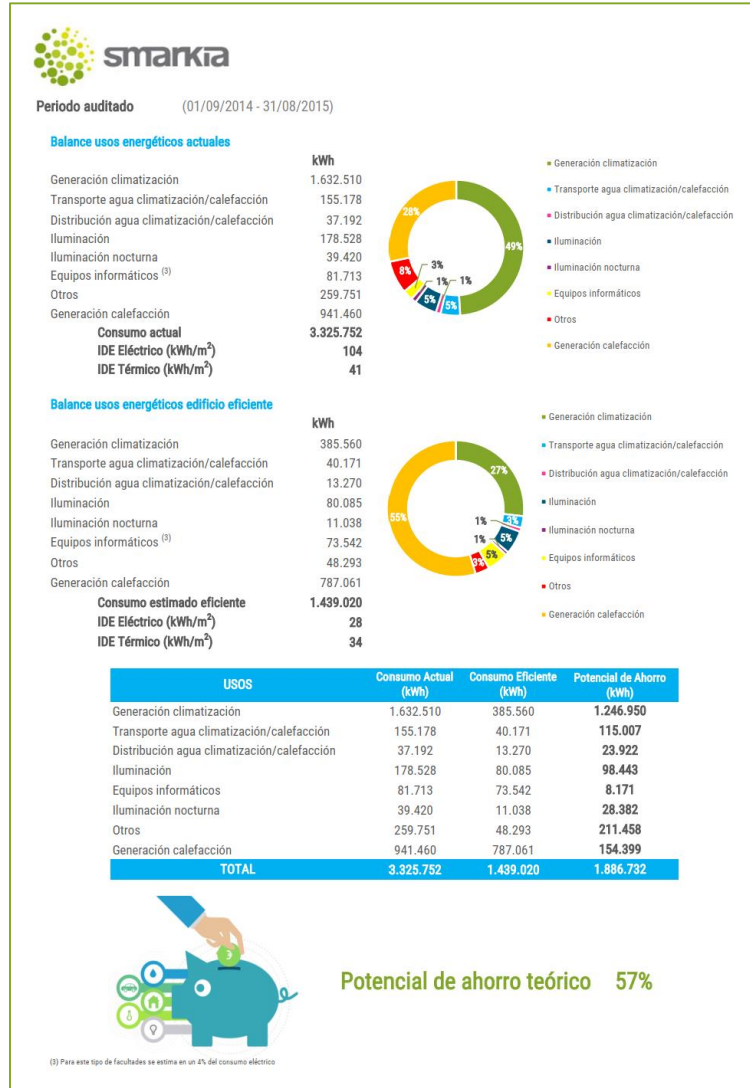
DOCUMENTATION MANAGEMENT

> Complete document management system with document versions and possibility of creating any type of file structure. The system also has a powerful search engine that allows locating the documents both by name and by the text of its content.

SMART BILLING

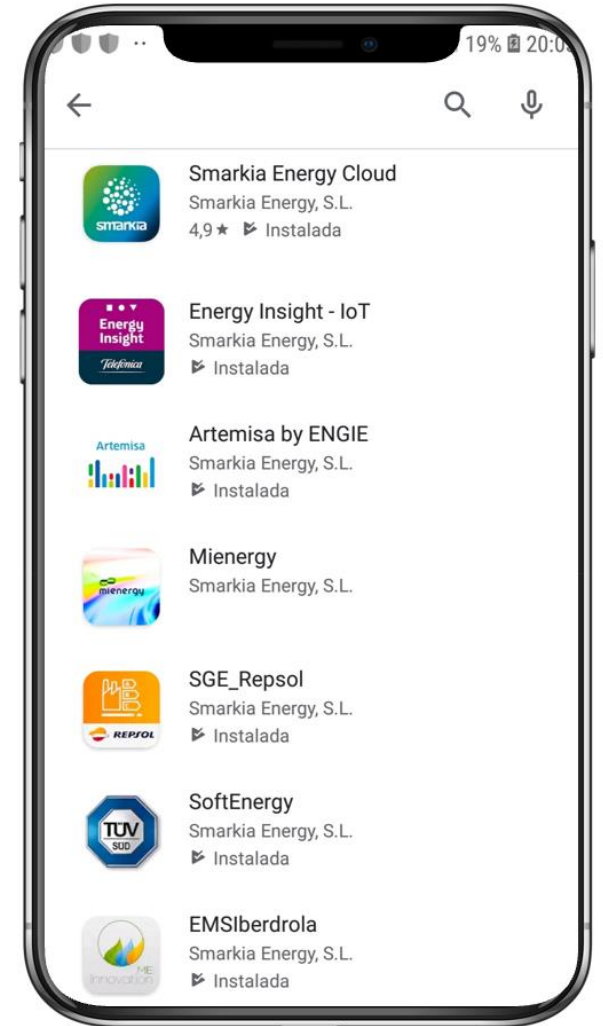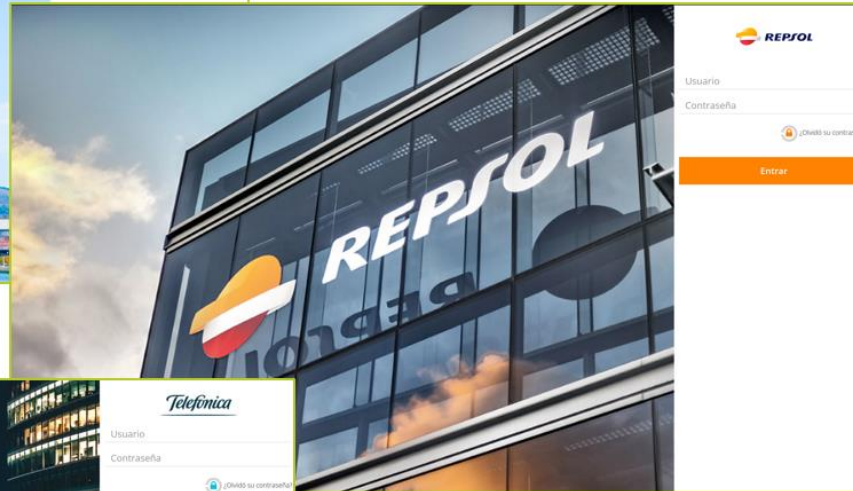> A powerful multi energy billing system that allows the adaptation to any billing method and automatic pricing systems integration
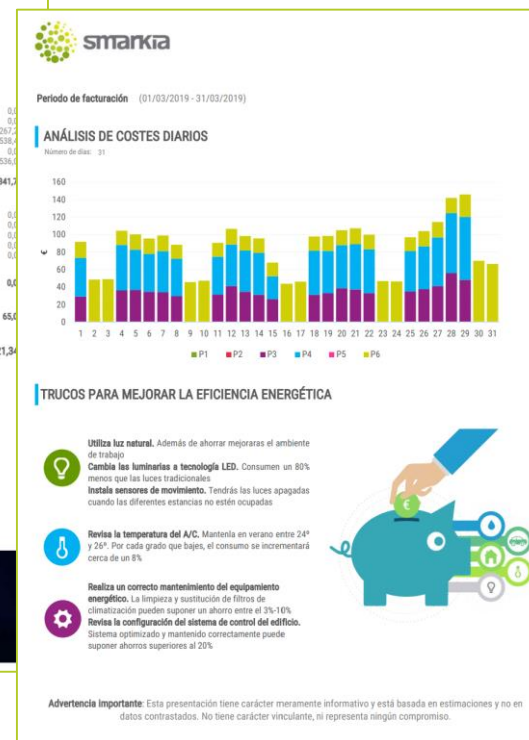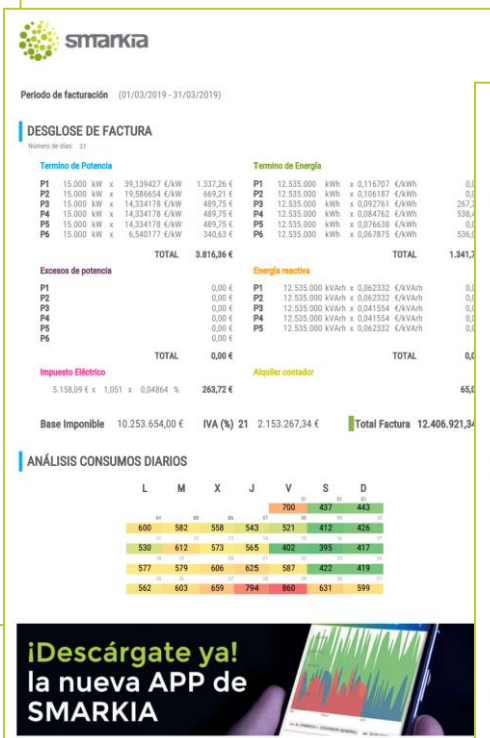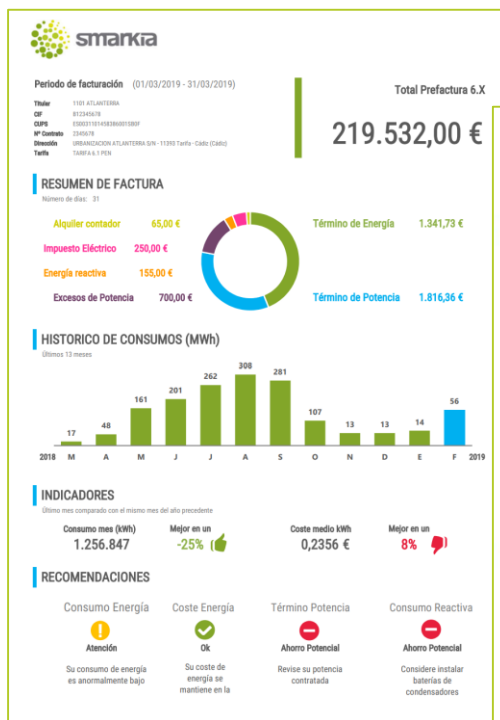
SMARKIA APP

LOOK&FEEL CUSTOMIZATION

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