

Billing

Efficiency in management of the billing system and field work.

Request a demo

Integrated management of the billing system.

Collect and automate business processes. This is the result of more than 125 years of experience in the sector.

Optimization of field work

More than 2000t of CO2 saved with increase in efficiency of up to 45%.

Greater user satisfaction

Complaints reduced by up to 60% and 10x increase in the use of the Virtual Office each year.

Reduction in non-revenue water

Thanks to fraud detection. Up to 500 detected every month in less than 24h.

Cost savings in billing

We have already generated more than 5.5 million bills automatically.

Key metrics

Better knowledge of consumption habits. Notifications in case of interruption of consumption to protect groups with special needs.

A modular solution



Automatic billing and payment collection

For each customer, downloadable and adapted to the billing cycle.



Debts and fraud

Management of late payments and non-payments. Fraud alerts, including stopped meters. Payment methods.



Smart Metering

Control and analysis of consumption. Leak alarms. Analysis of consumption in empty houses.



Virtual Office

Customers can consult the information on their billing, payments and consumption.



Customer Service

Centralization of communication, support and management of tickets and complaints.



Reports

Real-time tracking of consumption and export of data. Permissions system.



Inventories

Management of assets and supply points. Maintenance plans.



Personalized maps

Unified management and display of the distribution network and its assets. Route assignment.



Work Orders

Automation of orders and notifications in the field in real time.



Mobility

Management of field work, commercial fleet, metering, WalkBy and DriveBy readings. Route optimization

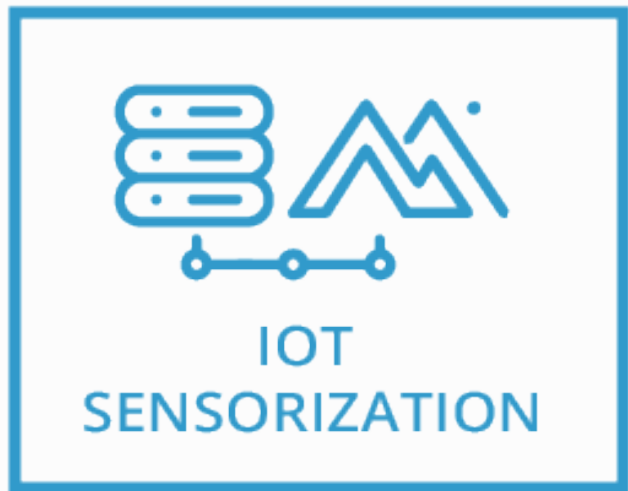
Technologies serving efficiency

A single modular, scalable platform that can be customized to the needs of each organization.

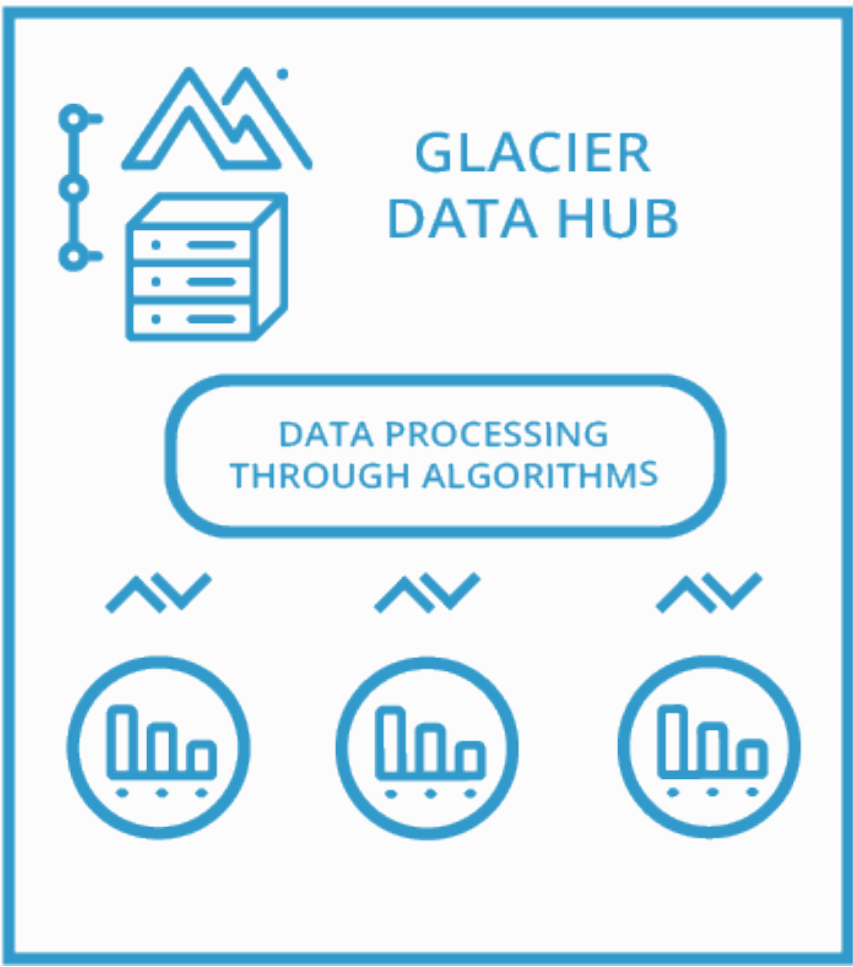
Security is guaranteed by reference protocols in standard authentication and SSL.

In phase one, the consumption data and the data from IoT infrastructures is integrated. Information is then standardized by algorithms to construct the solution's services.

01. DATA GATHERING



02. SYSTEM CORE



03. SERVICES



Leaks

Automatic alert system based on analysis of the water balance of the drinking water distribution network.

Request a demo

Boost water efficiency

Keep potential leaks and fraud in the distribution network under control through detection and prevention. View key indicators in real time and receive alarms when action is necessary.

Monitor key indicators

The personalized reports are generated from the distribution and consumption network data.

A proven solution

With 2,000 sectors and more than 3 million data values analyzed, reliability is 99%.

Reduction of non-revenue water

Savings of 4Hm3 of water every year, with an average decrease in network losses of -18%.

Act immediately

Corrective actions ordered by priority. Receive alarms when action is required

Services for the distribution network



Alerts for leaks and fraud

Detection and prevention thanks to smart algorithms.



Management panel

Easy to use, with key indicators, reports and alerts.



Work orders

Recommended actions for leaks and fraud, ordered by priority.



Informes de eficiencia hídrica

Métricas sobre caudal, presión, balance hídrico, agua no registrada y consumo.

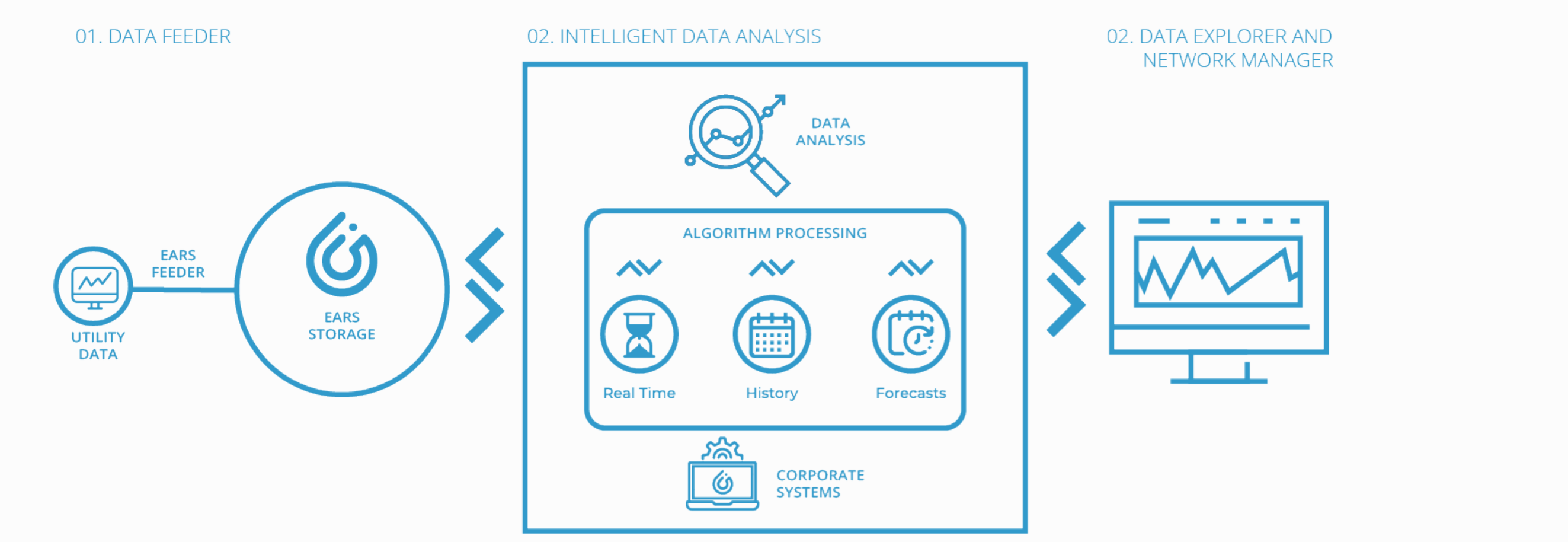


Predicción de la demanda

Mediante algoritmos avanzados aplicados a datos históricos.

Smart data applied to water

We transform consumption data and data from the drinking water distribution network into key information. The consumption and distribution network information is collected and processed in real time. This makes it possible to generate metrics, establish forecasts and provide services to improve water efficiency.



Centric assets management

Infrastructure management platform.
Visualization of processes and predictive maintenance.

Request a demo

Decisions based on digitization

Construct a digital replica of your assets and installations with real-time data. We apply a layer of standardization to pre-existing systems, in order to access all of the information from a centralized control point.

The different services are built on this general environment of monitoring and operations for infrastructures.

100% customizable

Easily create and update your own digital schematics, KPIs, variables and synoptics. Using preconfigured elements.

Multi-manufacturer

Compatible with all industrial manufacturers, SCADA suppliers and communication protocols. Launch integrations with existing systems or create from 0.

Multi-user and multi-device

Possibility of creating multiple users. Access from a computer, smartphone or tablet

Centralized management

Of assets and installations in a digital environment for monitoring and operations in real time.

Lower costs

Up to -70% in system implementation costs, -20% maintenance and -15% in energy costs.

Democratization of data

Digitization makes it possible to use data outside of the industrial environment, in combination with other systems and breaking out of information silos.

“Comprehensive management environment, 100% customizable, currently used in 400 supply networks in 50 countries, for 2,500 assets and in 300 installations.”

Real-time analysis and control of infrastructures



Real-time control of production

Generate reports, evolution graphs, digital schematics and comparative studies between processes and installations.



Predictive maintenance

Management and maintenance of production processes with automatic operating capacity, on industrial computers and remotely.



Granularity in a digital environment

Information by towns, sectors, factories, installations, tanks, assets, wells, dispensers, etc.



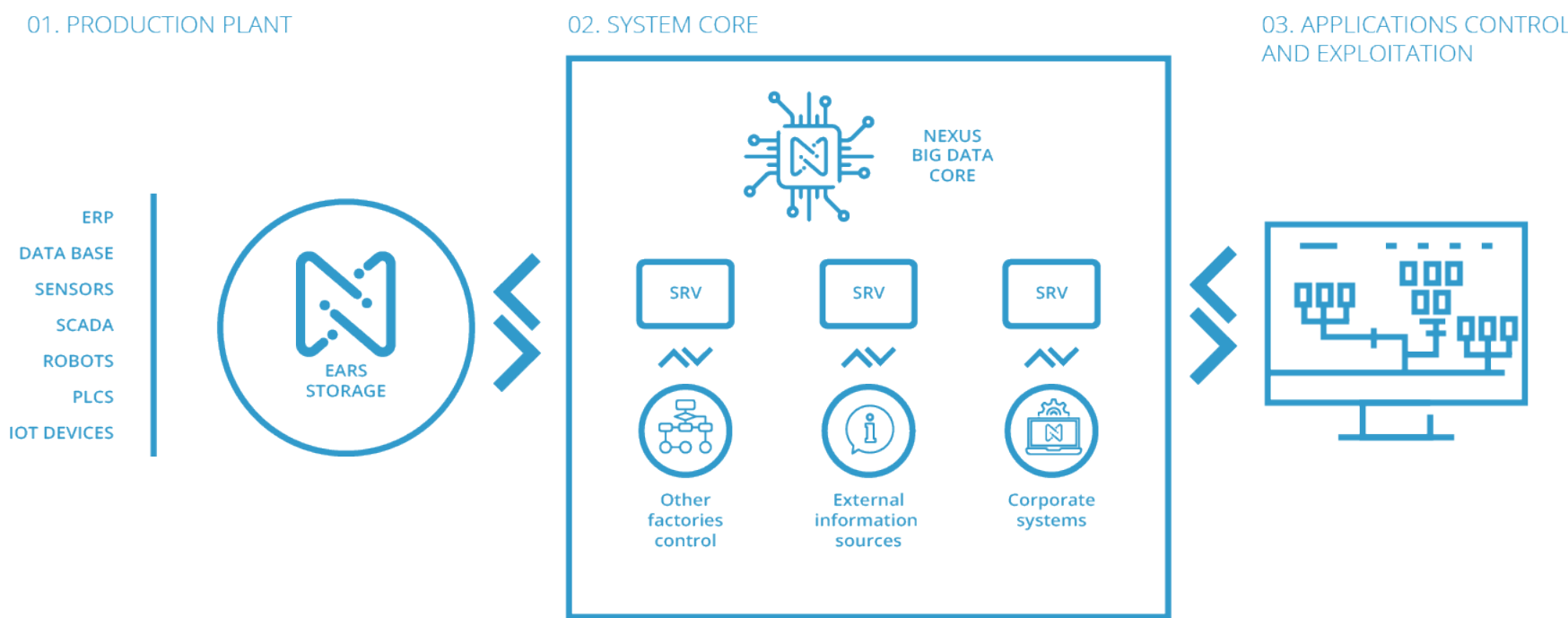
Alarms

Based on the status of processes, installations and assets. By WhatsApp, email or text message.

How it works

The data from the equipment, databases and business systems (ERP, MES, CRM) are integrated in real time. The technology is compatible with all industrial manufacturers, SCADA suppliers and communication protocols.

The Big Data storage system records the information and then uses algorithms to exploit it to provide the services in the solution.



Smart Water Engine

Integrated information in real time for efficiency-oriented decision-making

Request a demo

Information to boost efficiency

See real-time information on your industrial equipment, databases and business systems in a single location.

Analyze trends, detect areas of improvement and anticipate changes.

Customizable modules

In a single interface. Adapt them to your needs at no additional cost.

Everything under control

Decisions based on new analyses. With more than 6 billion data values processed each year.

Total integration of data

From the leading manufacturers, communication systems, databases and third-party business systems (ERP, MES, CRM).

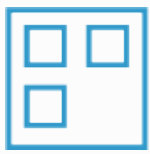
Lower costs

Up to -70% in system implementation costs, -20% maintenance and -15% in energy costs.

"The platform has transformed operations management, centralizing the control of more than 400 assets in our 15,000 km distribution network in a single control center".

Juan Francisco Maestre Picón
Drinking Water Services Director - Global Omnium

From data to decisions



Canvas

Design customized views of assets and installations.



BI Dashboard

Compare data from different sources and processes. Keep your KPIs under control.



Alarms

Create events to monitor trends in real time. Centralization of alarms.



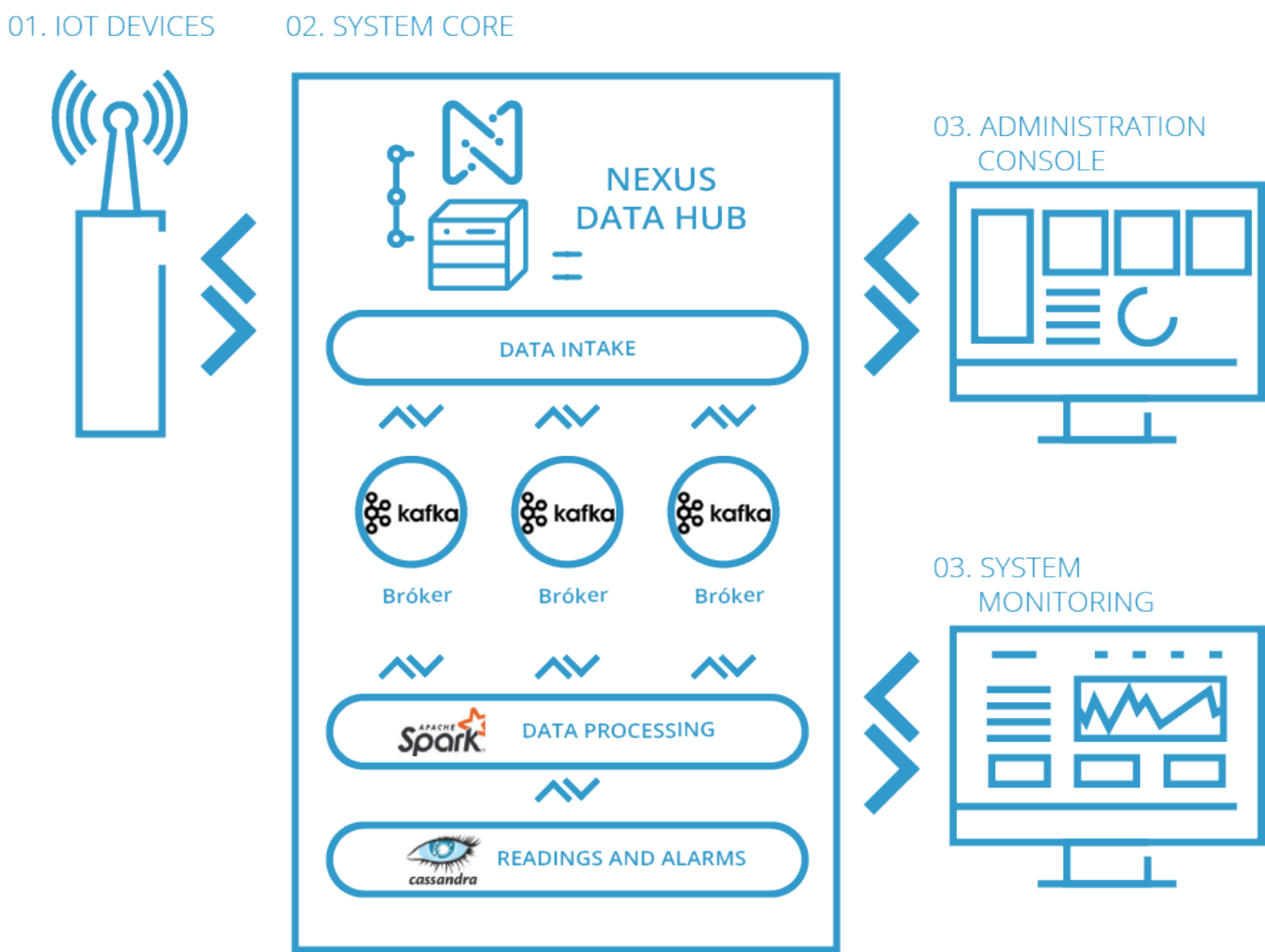
Graphs & Reports

Track customer requests, supplier orders and more.

Technologies for achieving efficiency

We adapt Big Data technologies, computing languages and advanced Machine Learning algorithms to industrial processes and the needs of each organization.

The collection of large quantities of data without integrity gives way to the processing of the data. The information achieved is standard, structured and unified. The different services are built on this base.



Smart Metering

Smart remote reading for water efficiency of the drinking water network.

[Request a demo](#)

Promoting water efficiency

Analyzes and predicts water consumption, detects leaks and fraud and monitors the meter fleet. Receive alarms and the necessary actions based on their priority.

For more than a decade, we have been analyzing information from the leading smart metering fleet in Europe. More than 0.5 million meters sending data in real time. This is the result.

Multi-manufacturer and multi-protocol

Integration with the principal remote reading manufacturers and communication protocols.

Satisfied clients

Thanks to alarms that indicate leaks or unexpected consumption and the resolution of issues with meters.

+45% optimization of field work

Tasks and issues are assigned, prioritized and included in agendas automatically.

Water consumption efficiency

With 2,500 leaks detected each month, it helps with the social responsibility of the organizations.

Smart management

The services facilitate and extract value from the management of the meter fleet. From a single interface.

Forecast of revenue from consumption

By predicting demand based on historical data and the application of algorithms.

Services from a European benchmark



Leak detection

Detection of internal leaks of 0.2 l/min with +90% reliability. Extreme and regular leaks.



Fraud detection

Meter tampering, consumption in empty apartments, without contracts and with blank disks installed.



Demand forecast

At supply points with and without smart metering, for daily values and a horizon of up to one year.



Estimation of water performance

More precise, thanks to consumption estimation by sectors, even in sectors without smart metering.



Real-time consumption

Measurement and geopositioning of meters.



Meter Monitoring

Detection of stopped meters and meters installed backwards, low battery, underspending, overspending, tampering and malfunctions.



Uninhabited homes

Identification of cases in which non-consumption readings are due to empty homes.



Occupancy changes in homes

Recognized by changes in consumption.



Segmentation of consumers

Individual consumption patterns. Seasonal patterns by service connections, sectors, towns...



Alarms for clients

Configuration by water consumption during certain periods, normally long absences.



People with special needs

Contributes to their welfare thanks to the connection to social assistance programs.



Work orders

Automatic identification of anomalies, assigning reviewers who study each case.

Technologies applied to experience

The combination of Big Data and IoT technologies is behind the mass collection and processing of smart metering data in real time.

Data is collected thanks to compatibility with the principal smart metering manufacturers (Itron, Contazara, DIEHL Metering, Elster, Sensus, Conthidra, Abering, arsonMetering...) and the principal communication protocols, both open protocols as well as NB-IoT, LoRaWAN, Sigfox, Arad...

The data is then standardized and processed in real time. Big Data architectures make it possible to quickly access massive amounts of data.

All of this makes it possible to view data and consumption patterns, predict demand and issues and launch corrective actions.

01. IOT DEVICES

02. SYSTEM CORE

03. SYSTEM MONITORING

