



SMART CONCEPT

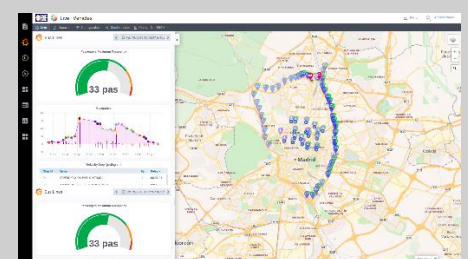
A Smart City could be described as a city that applied Information and Communication Technologies (ICTs) to create infrastructures and services that guarantee sustainable development, an increase in the quality of life of citizens, greater efficiency in the use of resources, appropriate dissemination of the information generated and active citizen participation.

However, the **Smart Concept by SICE** concept goes further, since it also includes the digital transformation of not only a city, in terms of how it manages municipal services, and how it related to citizens and tourists, so that it brings people closer while improving their access to these services, but the entire territory

This is why SICE wants to break down the barriers of smart cities and commit to a broader concept that brings this same sort of intelligence to a group of municipalities, a region/community or even a country. In short, regions or territories sharing common characteristics, their own identity, or certain elements or ties that bring them together somehow. These ties could be tourism, a shared natural environment, the same social strategy or structure, etc.

Many of the proposals included in the Smart Concept have been implemented and have been providing services to citizens for some time. The current goal is to provide these services with more intelligence and interconnect them to obtain a more sustainable development. Smart Concept by SICE thereby includes different technologies. SICE has been developing and applying these technologies for years, becoming one a pioneer company in the Smart concept.

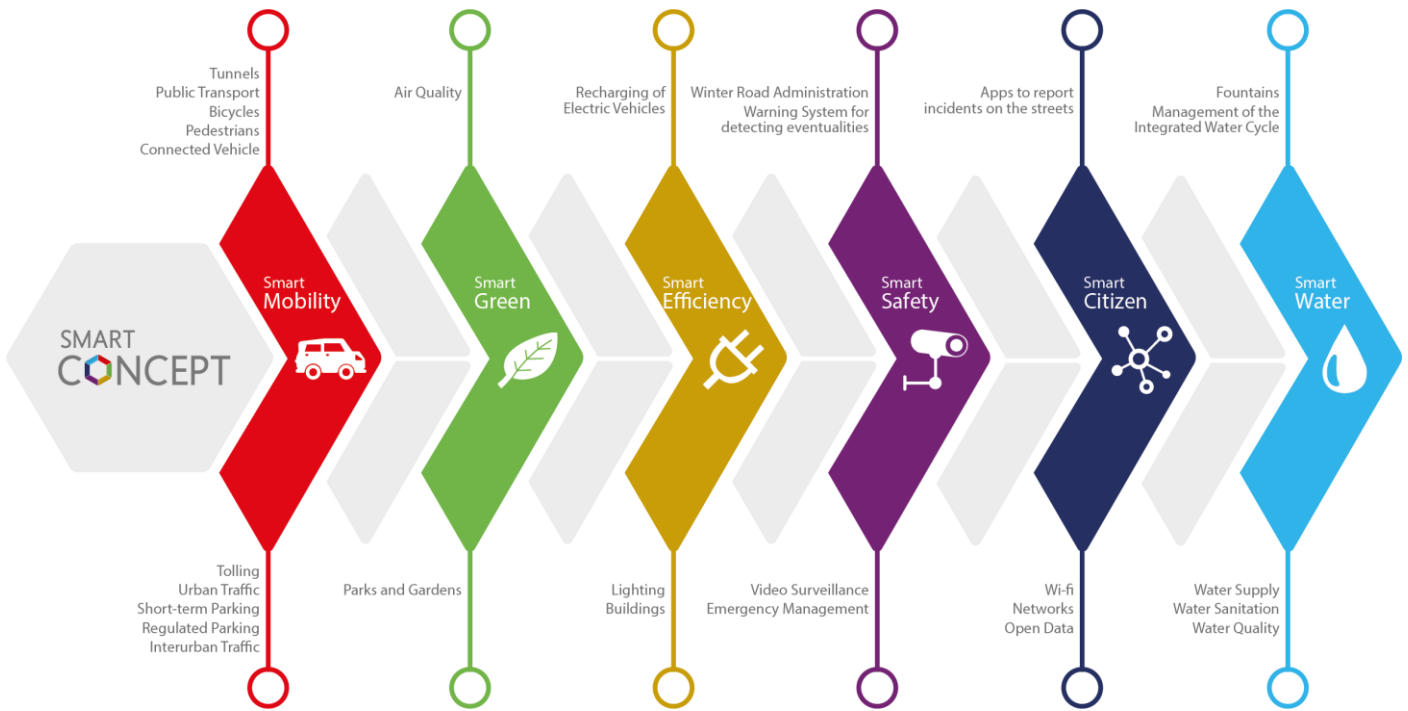
KALIOPE PLATFORM



KALIOPE is a comprehensive management system of all the smart systems within a territory, based on Quality of Service (QoS) indicators that are easily measured and support decision-making processes. This makes it possible to establish active communication channels and allows for the improvement of the coordination and efficiency of the services rendered.

KALIOPE thus becomes the core and fundamental piece that integrates all the services and systems of each project.

COMPREHENSIVE MANAGEMENT OF SYSTEMS



SMART SYSTEMS WITHIN A TERRITORY

SMART MOBILITY: Optimal and efficient management of mobility in the territories.

- Management of **urban mobility** focused on the citizen.
- Increase road safety while improving the flow and comfort of **interurban traffic** and providing reliable information to users.
- Centralized control and monitoring of **tunnels** guaranteeing maximum safety and operativity in everyday management and in emergency situations alike.
- Centralized management of all the adjacent services for any public or private means of **transport**.
- Management of vehicle **parking** facilities, access control and automation, forms of payment, etc.

SMART GREEN: Customized technological solutions to oversee environmental impact.

- Surveillance and control of **air quality** and its impact on citizens.
- Centralized management and control of the efficiency of **irrigation systems** depending on soil and weather conditions.
- Surveillance and control of the **weather parameters** of the city.
- Control of the management of Municipal Solid Waste (**MSW**) in the plant.

SMART EFFICIENCY: Control of energy efficiency of public management systems.

- Management of energy savings in **public lighting** systems.
- Energy efficiency of air conditioning and lighting of **buildings**.
- **Comprehensive and energy management** of urban facilities.

SMART SAFETY: Safety in cities and territories.

- **Public safety**, Civilian Protection and Emergency Plans.
- Centralized monitoring and control, operational and emergency.

SMART CITIZEN: Citizen information.

- It enables data management, which can be humanized and socialized through **information platforms** that are accessible to citizens.
- Management of **communication** and citizen information **networks**.

SMART WATER: Monitoring and control of the state of water supply and treatment networks.

- Monitoring and control of the **Hydraulic Infrastructures** of cities.
- Monitoring and control of **supply and sewage** systems.
- Telecontrol of **Urban Hydraulic Installations and Fountains**.

