SMART CITY PLATFORM – SMART CONCEPT

A Smart City is best described as a city which takes advantage of Information and Communication Technology, aiming to establish infrastructures and services which ensure sustainable development, an improvement in citizens' quality of life, improved efficiency in the use of resources, proper dissemination of information and active citizen participation.

Many of the proposals featured within the Smart City concept have been in place and providing services to citizens for some time. The current objective is to make these services more intelligent, and to connect them together to achieve sustainable development. A Smart City therefore involves a range of different technologies.

SICE has been developing and applying these technologies for years, establishing itself as a pioneer of the Smart City concept.

Given its thorough understanding of the current realities in cities and the surrounding areas, SICE has designed a platform to enable different socio-economic and institutional players to build and add value over the medium and long-term.

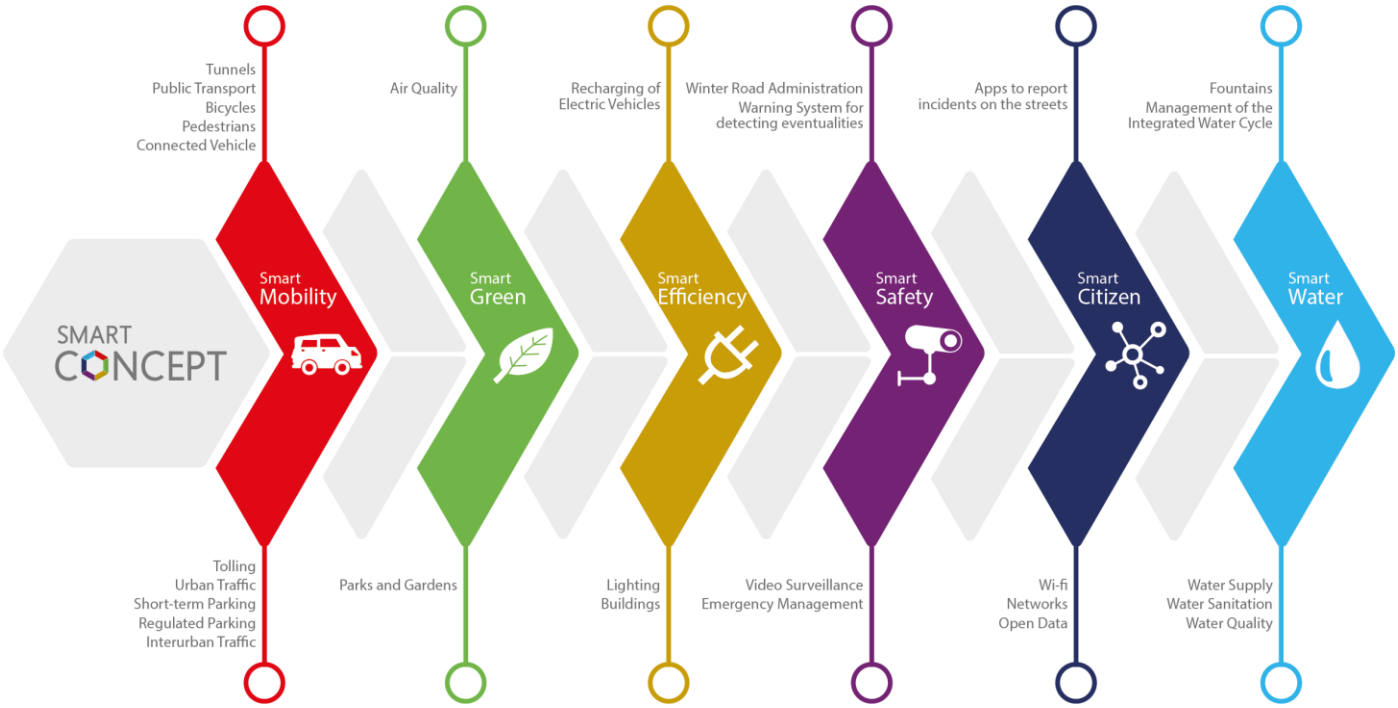
As a result, the proposed platform includes a management system for the local government, using a tool which makes it easy to interact with said government and supporting it in any decision-making processes related to citizens. This allows it to interact and be proactive when faced with the realities of the city and the needs of its citizens, providing better and more efficient services through sustainable development, and taking full advantage of available resources.

SMART CONCEPT PLATFORM

Smart Concept is a comprehensive management platform for all smart city systems, based on Quality of Service (QoS) indicators which are easy to measure and support decision-making.

This makes it possible to establish active communication with the citizen, resulting in improved coordination and efficiency when providing services.

COMPREHENSIVE MANAGEMENT OF ALL SYSTEMS



SMART CITY SYSTEMS

SMART MOBILITY: Optimal and efficient management of city mobility.

- Citizen-centered management of **city mobility.**
- Increased road safety, improving the fluidity and comfort of **intercity traffic**, providing reliable information to the user.
- Centralized control and monitoring of **tunnels,** ensuring maximum safety and functionality both for day-to-day management and emergency situations.
- Centralized management of all services related to any public or private means of **transport.**
- Management of vehicle **parking** facilities, control and automation of access, payment methods, etc.

SMART GREEN: Personalized technological solutions to monitor environmental impact.

- Monitoring and control of **air quality** and its impact on the public.
- Centralized management and control of the efficiency of **irrigation systems** in accordance with soil and weather conditions.
- Monitoring and control of the city's **weather parameters.**
- Control of the management of **solid urban waste** plants.

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

- Management of the energy efficiency of **public lighting.**
- Energy efficiency for lighting and heating facilities in **buildings.**
- **Comprehensive energy management** for city-wide facilities.

SMART SAFETY: City safety.

- **Public Security**, Civil Protection and Emergency Plans
- **Centralized**, operational and emergency monitoring and control (CCOM)

SMART CITIZEN: Citizen information.

- Data management, humanize and socialize them through **information platforms** accessible to citizens.
- Management of citizen information and **communication networks.**

SMART WATER: Assessment and control of the condition of water treatment and distribution networks.

- Monitoring and control of the city's **Hydraulic Infrastructures.**
- Monitoring and control of **water supply and sanitation** systems.
- Remote control of **ornamental hydraulic facilities.**