



SMART
MOBILITY

SMART MOBILITY. CENTRALISED TRAFFIC CONTROLLER

An improvement in city mobility requires a management system which is able to integrate with the same philosophy of citizen inter-modality.

These days traffic control is not just about moving cars, but about being able to manage other users such as pedestrians, bicycles, vehicles, public transport, etc., each with their own characteristics and fixed specifications, whilst using the same road infrastructure and in the most efficient manner possible.

To achieve this, we need to use a system which is based on three principles:

- Proper interoperability between all individuals and entities which are part of the system, regardless of whether they are public or private and whatever the means of transport
- Correct preventative, corrective and ongoing maintenance, resulting both in improved management but also road safety for final users.
- Efficient management operations, which can only be achieved using centralized management, which is able to see a city as a whole and not just as a combination of different component parts.

SICE offers a complete and comprehensive solution which is able to assist the different authorities that are responsible for city mobility, based on more than 90-year experience in systems with these characteristics which have been implemented worldwide.

The SICE ADIMOT Smart Mobility solution supports and provides specific solutions to its clients during all project execution stages, including initial engineering, technological implementation, maintenance support and system operation.

ADIMOT CONTROL SOFTWARE

The mobility management and control software - ADIMOT Smart Mobility - is built on a solid basis due to SICE's experience of building various facilities worldwide, adapting the application to the specific needs of each city.

The client side of the system operates through a web browser, making it available on any device (including mobiles) which has access to a communications network (with the appropriate permissions), leading to lower installation and maintenance costs as well as an increased productivity in terms of maintenance.

The system works with the most common database managers, allowing information to be sent to a higher profile (called the zero layer).

Traffic operators or engineers can configure the system so that it works with the following strategies:

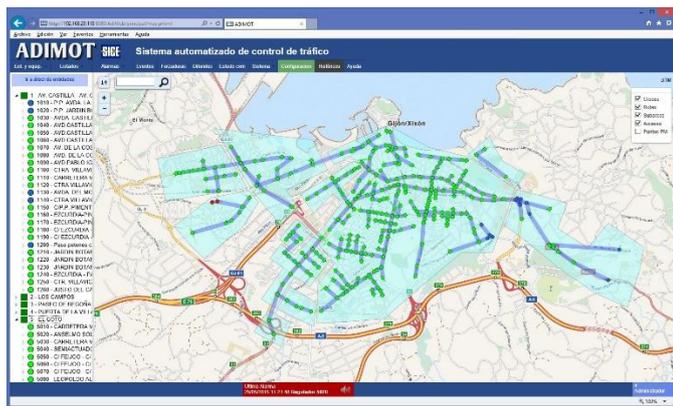
- Fixed Times through scheduling
- Micro-regulation.
- Systems based on Real Time (Dynamic Selection, Dynamic Generation or Adaptive systems).

Through the ARCADIA algorithm, the system is able to function in a totally adaptive way.

In addition to its own junctions, it can manage any network equipment, how it is accessed, data collection stations, general information displays, parking information, etc.

BENEFITS OF THE ADIMOT SYSTEM

Geolocation of all mobility elements with access to real time traffic information from a sole location.



Modification of traffic parameters from the control center in an integrated manner and with an overall view of the city.

Highly scalable, allowing the future integration of other equipment into the SICE Smart Mobility platform.

Real time access to raw data but also any type of useful information for the traffic engineer or operator (e.g. television cameras).

Improvement in downtime measurement parameters, journey times and delays, etc.



MFU TRAFFIC CONTROLLER

The MFU traffic controller is the result of more than 40 years of experience installing junction management equipment in cities across the world.

Built with the key principle of high security in mind, the equipment, which is completely modular, is designed with the latest advances both in technology and in Traffic Engineering algorithms to be able to provide features such as micro-regulation, public transport prioritization, programming and wireless road maintenance.

Support from three main CPU for different functionalities and two microprocessors for each output module to two traffic light groups.

The equipment has certifications demonstrating its compliance with different regulations (Spanish and international) relating to road safety equipment, traffic safety regulations, electrical safety, environmental safety and electromagnetic compatibility (EMC).

In addition, its modular nature means that it can be fitted with Bluetooth technology for remote maintenance, a GPS clock for correct synchronization in isolated mode, etc., making it the most versatile traffic controlling system on the market.

