URBAN TRAFFIC CONTROL SYSTEM - ADIMOT

The optimal and efficient management of mobility in cities is based on the following four principles:

- rational application of technology,
- 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,
- efficient management operation

For many years, SICE has been implementing projects at the cutting edge of technology for mobility management in cities across five continents. The company offers support and solutions to customers during all project phases, from the implementation of technology to subsequent system maintenance and operation.

These principles are based on the SICE platform, which focuses on Smart Mobility Management through its Smart Mobility solution within the urban area, “ADIMOT”.

Smart Mobility Management

ADIMOT is a comprehensive smart mobility management tool developed by SICE by applying the top technological and traffic engineering standards.

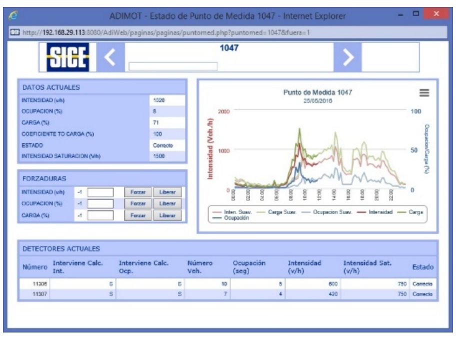
In addition to centralized management of the city's traffic lights, the system allows the integration and operation of systems such as access control, prioritization of public transport, and detection of traffic infractions (enforcement), providing user information through message displays, traffic monitoring cameras, etc.

The platform provides overall centralized control of a city's mobility management, improving service levels and contributing to energy efficiency by reducing delays and providing detailed, real time information to users.

ADIMOT is a vital platform for proper system maintenance and operation, focused both on operators as well as specialist traffic engineering staff.

The platform is designed for any type of city - small or large - as it can be adapted to solve specific mobility problems.

It is based on worldwide standards regarding protocols used for communication with different pieces of on-site equipment; it includes a multi-algorithm management system that can be used to establish different operation strategies such as time-based, dynamic selection, generation, adaptive and micro-regulation plans, etc.

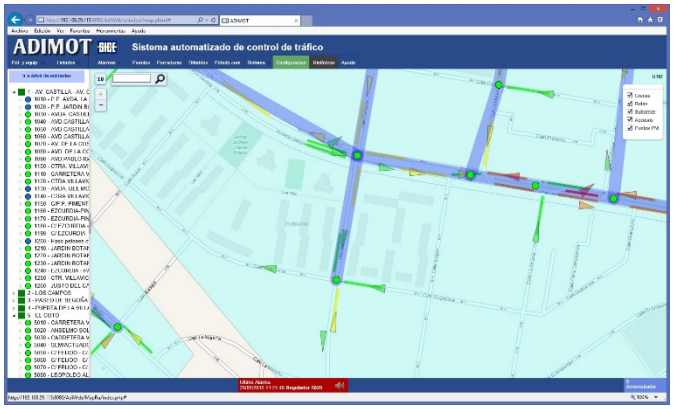


System Overview

Can be accessed from the majority of modern browsers, without needing to install extra software on client machines.

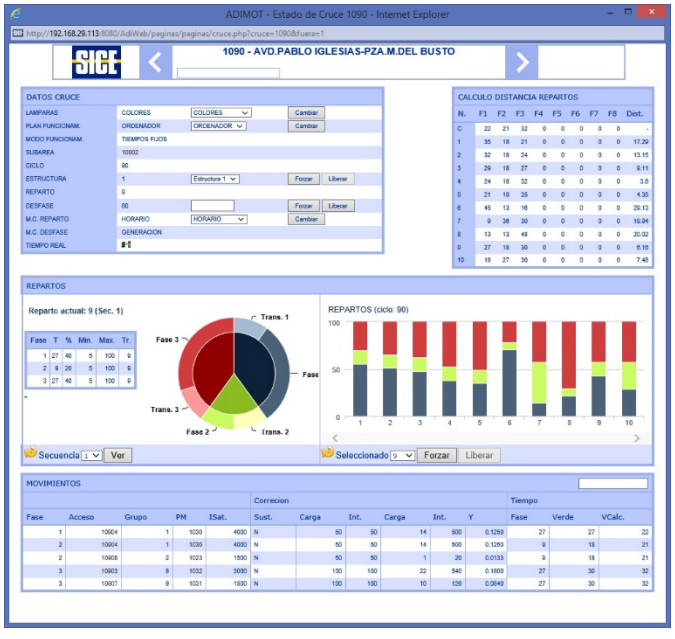
High scalability, adapting to the requirements of each city, from small villages to major cities which require self-adapting systems for its management.

Can manage the system from a graphic map display of the city, offering a brief overview of the status of all equipment and junctions.



Highly configurable, can be used with different profiles: advanced use, basic use and display. As a result it is adapted to the requirements of every type of facility.

Can be integrated with each client's corporate website. Furthermore, some of the information can be displayed publicly.



Basic System Functionalities

System operation takes place through graphic displays which allow the following functions:

- Access to the system through user identification, with different access profiles.
- Access to system sections from a geolocated city map.
- Sector management.
- System configuration from the browser.
- Easy to configure. Basic configuration for small facilities and advanced configuration for large facilities.
- Access to historic data.
- Multi-language support.
- Reports exported in different formats: csv, pdf, excel, etc.
- Real time display of alerts, equipment status and congestion levels at a junction.

- Real time system monitoring and operation.
- Display of traffic control camera images.
- Real time display of a junction.