TECHNOLOGIES NOUVELLES

Urban space

Suburban

Locate

Supervise & regulate

Data collect & process

SYMART

CONTROL & ADAPT TRAFFIC IN REAL TIME

REGULATING **AND** MONITORING TRAFFIC WITH EFFICIENCY IMPROVES SAFFETY AND TRAFFIC FLOW.

SYMART, THE TRAFFIC CONTROL SYSTEM, ADAPTS TO NEW MOBILITY NEEDS AND ALLOWS FOR BETTER MULTIMODAL TRAFFIC MANAGEMENT.

SYMART **SUPERVISES** MORE THAN 4500 TRAFFIC LIGHT JUNCTIONS **IN THE WORLD**

SYMART, MODULAR & SCALABLE TRAFIC CONTROL SYSTEM

Centralised management of dynamic equipment and all modes of transport

Fast and efficient implementation of on-call services : quality an reliability of the information processed

Interoperable system for easy implementation and use

**Adaptable** to the size and needs of your projects

Customized configuration and additional modules can be added at any point

Personalized support and follow-up of your projets

SUPERVISE & REGULATE TRAFFIC LIGHTS JUNCTIONS IN REAL TIME

A FULL BESPOKE SERVICE

- Traffic regulation systems engineering
- Installation, connection, and commissioning of the system
- Connection to the equipment on the ground via Ethernet networks, fibre-optics, xDSL, serial link, GPRS, 3G, 4G, Wi-Fi Mesh, and LoRa
- Configuration & operation assistance
- Staff training
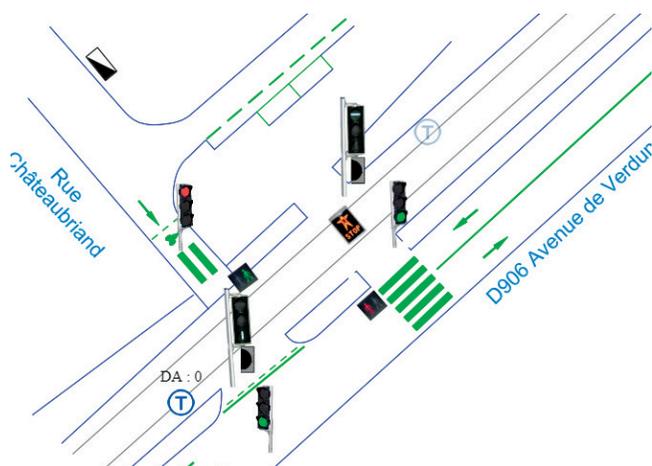
EASIER OPERATION & MAINTENANCE

- Real-time supervision and information on equipment status in map view format
- Remote monitoring, alarm management on synoptic, summary table and logbook
- Exploitation of acquired data
- Operator may intervene at any time: configuration changes are immediately applied
- Automatic initiation of on-call services and generation of event files for better maintenance monitoring
- Supplement the supervision with further connected objects via an API interface : iOT sensors (air pollution, weather conditions, collision, water level, events...)
- Simple login online via web browser on PC, smartphone or tablet
- Offer available on the Cloud with subscription

CONTROLLING TRAFFIC

SYMART allows the control of traffic lights junctions:

- ■ Various traffic light plans based on time of day, traffic status and external information (weather or pollution level)

- ■ Manual & automatic override

- ■ Reference time synchronisation traffic plans and tops traffic plans

- ■ Special actions: define routes, manage special events

The system can interface with all dynamic equipment: Variable message signs, controllers, sensors, etc. Zone management is independent from the physical equipment connection architecture.

Additional software options can be added by simply updating your licence.

This solution can be used to connect to all crossroad controllers regardless of generation, including those without the DIASER protocol.

This makes it easier to manage your facilities and control costs.

SITER Traffic Contol Center
Hauts-de-Seine

MONITORING PUBLIC TRANSPORT PRIORITY

Promoting public transport in cities improves safety and reduces pollution.

Optional modules will help you:

- ■ Store data for real-time analysis or later analysis of information gathered by sensors

- ■ Analyse recorded data and track the impact and quality of public transport priorities on the road network

COLLECTING REAL TIME TRAFFIC & MANAGING TRAVEL TIME

The system offers the option of gathering physical data on traffic flow and occupancy rate to:

■ Establish travel times

■ Establish regulation strategies or VMS display plans

CONSOLIDATING PHYSICAL, FCD & BLUETOOTH DATA

SYMART collects and consolidates traffic data captured by Floating Car Data, bluetooth and physical sensors.

Floating Car Data is used to capture GPS positions in real time for a range of vehicles (light vehicles, taxis, heavy goods vehicles) in order to provide travel time information.

Bluetooth sensors installed on the roads are used to calculate travel time through connected objects (smartphones, hands-free kits).

Software solution for classified road traffic counts

A traffic flow evaluation tool for mobility observatories: this software solution for classified road traffic counts allows a detailed monitoring of different vehicles classes in circulation by line and lane(bicycles, motorbikes, HGVs, Light vehicles, …).
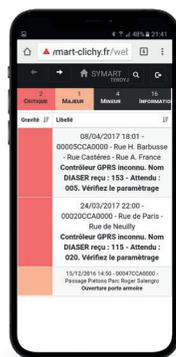
TELEMONITORING VIA SYMART ONLINE

Symart Online is an economical monitoring solution based on our intuitive Cloud application.

All you need is an internet connection to use the software on PC, smartphone, or tablet:

■ Real-time information on equipment status

■ Automatic initiation of on-call services in case of anomalies

■ Optional operational overrides

■ Compatible with all crossroad traffic light controllers

■ Documentary database available for each traffic light controlled crossroads

Crossroad controllers are connected to the internet via 4G/ 3G/ GPRS/ LoRa. Based on an annual subscription per crossroad, pricing is flexible and scalable.

OUR
KNOW-HOW

A key player in road and transport engineering, Technologies Nouvelles offers its expertise and innovation capacity to the service of infrastructure managers and Organising Mobility Authorities, in order to assist them in their projects, and ensure sustainable mobility.

OUR
MISSIONS

SECURE AND IMPROVE TRAFFIC FLOWS
on your territory

DESIGN INNOVATIVE AND RESPONSIBLE MOBILITY SOLUTIONS,
that improve the quality of daily life for our fellow citizens

SUSTAIN OUR ROAD INFRASTRUCTURES
sources of social link and economic growth

3 BUSINESS LINES

● **TRAFFIC ANALYSIS & CONTROL**

● **TRAFFIC STUDIES & DESIGN**

● **DIAGNOSIS & MANAGEMENT OF YOUR ROAD ASSETS**

TECHNOLOGIES NOUVELLES

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