



SCAE



EXPO 2015

STCWEB

Urban Traffic Control System



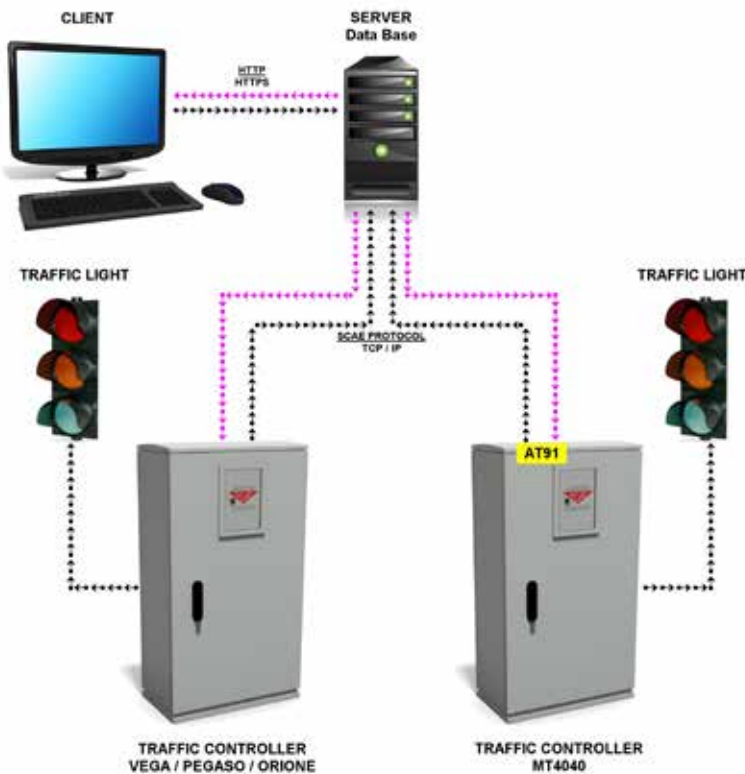
APPLICATIONS

The Traffic Control and Supervision system STCWEB allows users to:

- Manage the entire traffic light controller network quickly and easily through a web interface.
- Apply centralized control strategies based on time slots, selection of plans, dynamic and adaptive.
- View in real-time the full status of each intersection: traffic lights, traffic sensors, traffic light controllers, current plan, and much more.
- Keep the synchronism between consecutive junctions (green wave).
- Add areas for quick access to speed up monitoring operations in presence of traffic light controllers networks particularly large.
- To be automatically notified when a system goes into alarm condition and/or failure (e-mail, sms...).
- Collect traffic data of each intersection and generate historical archives.
- Remotely program traffic controllers (upload and download of configuration data).



SYSTEM ARCHITECTURE



Traffic controllers and Clients must be able to communicate with the Central Server. Therefore, they must be under the same Central Server subnetwork or be equipped with an Internet connection.

SYSTEM FUNCTIONS

The system allows to carry out the following main functions:

- Monitoring and remote control of the entire network of traffic controllers.
- Configuration and remote programming of traffic controllers.
- Explore the traffic controllers network via interactive map.
- Application of centralized control strategies through dynamic selection of plans, adaptive measures and time slots.
- Web-based view of traffic light charts.
- Monitor in real time the complete status of each junction.
- Sending SMS and / or e-mail alert.
- Collection of traffic data and archives generation.
- Download operation log and diagnostics files of traffic controllers.
- Implementation of commands via remote panel.

SYSTEM FEATURES

STCWEB software requires a central server running Windows Server 2008 / Windows 7, or higher.

Clients can be any computer with a web-browser, there are no restrictions on the operating system (Windows, Mac OS, Linux). For remote programming is instead necessary to use a Client with Windows operating system. The man/machine interface of the system is completely web-based and user friendly:

- The traffic controllers icons on the map immediately provide all the basic information about the status of each controller.
- Clicking on a traffic controller will show the whole map of the junction with real-time display of all information: traffic light status, traffic condition, sensor signals and current program.
- For each traffic controller, you can view the traffic light diagram complete with all configured plans.
- Allows to access, view and export historical data available in the Archives.
- Display the floor plan of each junction.
- Fully configurable system.
- Configuration software complete, easy and intuitive.
- Multi-language support.

KEY BENEFITS

STCWEB is a user-friendly system.

- Simple Web based access.
- MMI simple and highly customisable.
- Short time for operator training.
- High understanding level.
- High level of integration with other tools.



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