

A nighttime photograph of a city skyline. Several tall skyscrapers are illuminated with blue and white lights. In the foreground, a multi-level highway interchange is visible, with light trails from cars creating streaks of white and red. A road sign is visible on the highway.

**SIEMENS**

*Ingenuity for life*

**TACTICS™**

**Central Advanced Traffic  
Management System**

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# At a glance

TACTICS™ brings the latest technology for advanced traffic management for smart cities of today and the future

TACTICS™ 5 provides a powerful, scalable, resilient and easy-to-use traffic management system with a modern user interface that allows the user to

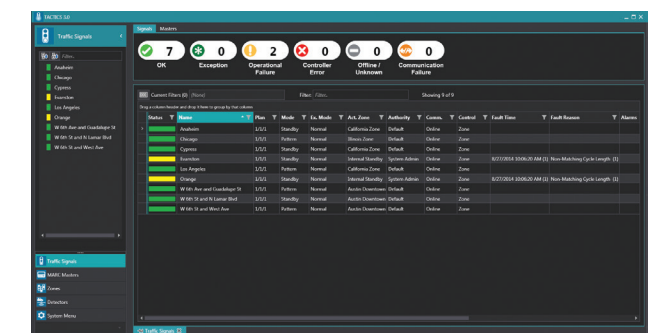
- Manage on-street traffic equipment through a single user interface
- Simplify configuration download/upload powered by YAML technology
- Monitor the overall system status through a summary dashboard
- Configure devices remotely
- Download controller software to field devices remotely
- Analyze the data by running reports and creating diagrams
- Create strategies and quick responses to react to pre-defined events automatically
- Easily search and quickly filter information throughout the system
- Quickly manage intersections using a map view
- Logically group controllers independent of signal control grouping



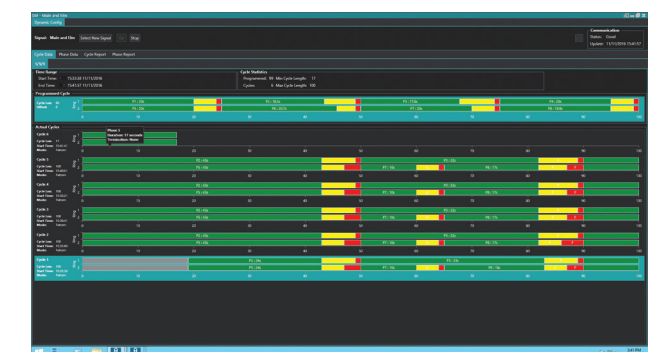
**Controller support with NTCIP support**  
TACTICS™ can be used to manage and monitor a range of controller software, including those running SEPAC and SEMARC. In addition, it supports NTCIP equipment to be connected and monitored as well having a simple ECOM-to-NTCIP converter that facilitates the migration processes.

**Flexible options to suit everyone**  
The solution is flexible, available with variants tailored to the needs of each traffic system. As it grows, TACTICS™ can also scale to the next level, supporting more functions and more field devices appropriately.

**Dashboards and traffic data reporting**  
With an intuitive, configurable graphical user interface, TACTICS™ 5 provides summarized system dashboards as well as detailed traffic intersection information that report on phase status, splits, termination reasons and other programmed data for easy monitoring. Other traffic analysis tools are also available to give insights to the user through intersection diagrams as well as split monitoring and time-space diagrams.



Home Page



Split Monitor

**Build resilience with automated traffic control via Quick Response**

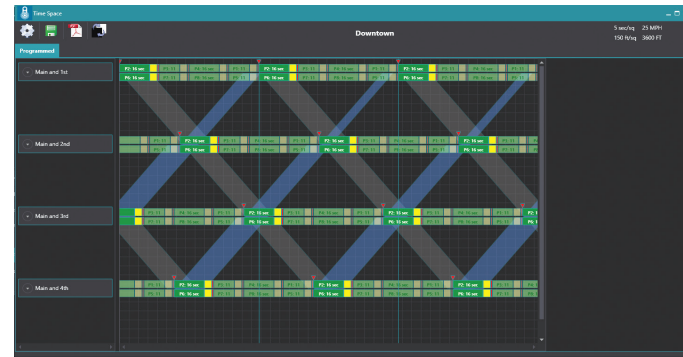
TACTICS™ 5 offers support for the creation and management of triggers and actions for pre-defined events through the Quick Response module. These configurable responses add a level of automation to the system that can help in planned and unforeseen situations, increasing resilience and adding robustness when managing traffic.

**Installation made easy with a redesigned installer**

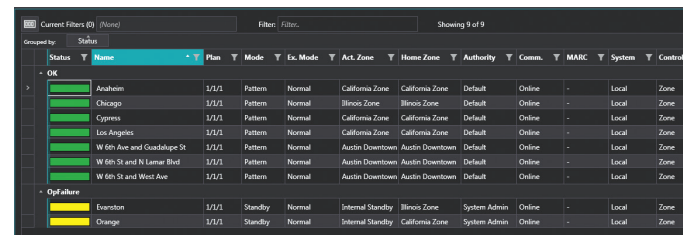
The latest TACTICS™ has a completely redesigned installer with simplified user interface that allows engineers to install and upgrade TACTICS onto servers, workstations and standalone systems quickly using a small number of button clicks. The installer also provides support for patch updates to be deployed without having to reinstall TACTICS™ every time, making it easy for new features and patches to be deployed as they become available.

**Seamless integration with Siemens SEPAC 5**

The system is backwards compatible with older versions of SEPAC and offers full support to the latest Siemens SEPAC 5 traffic controller software, allowing users to benefit from traffic control features that include system banks, import/export facilities for configuration data and NTCIP compliance.

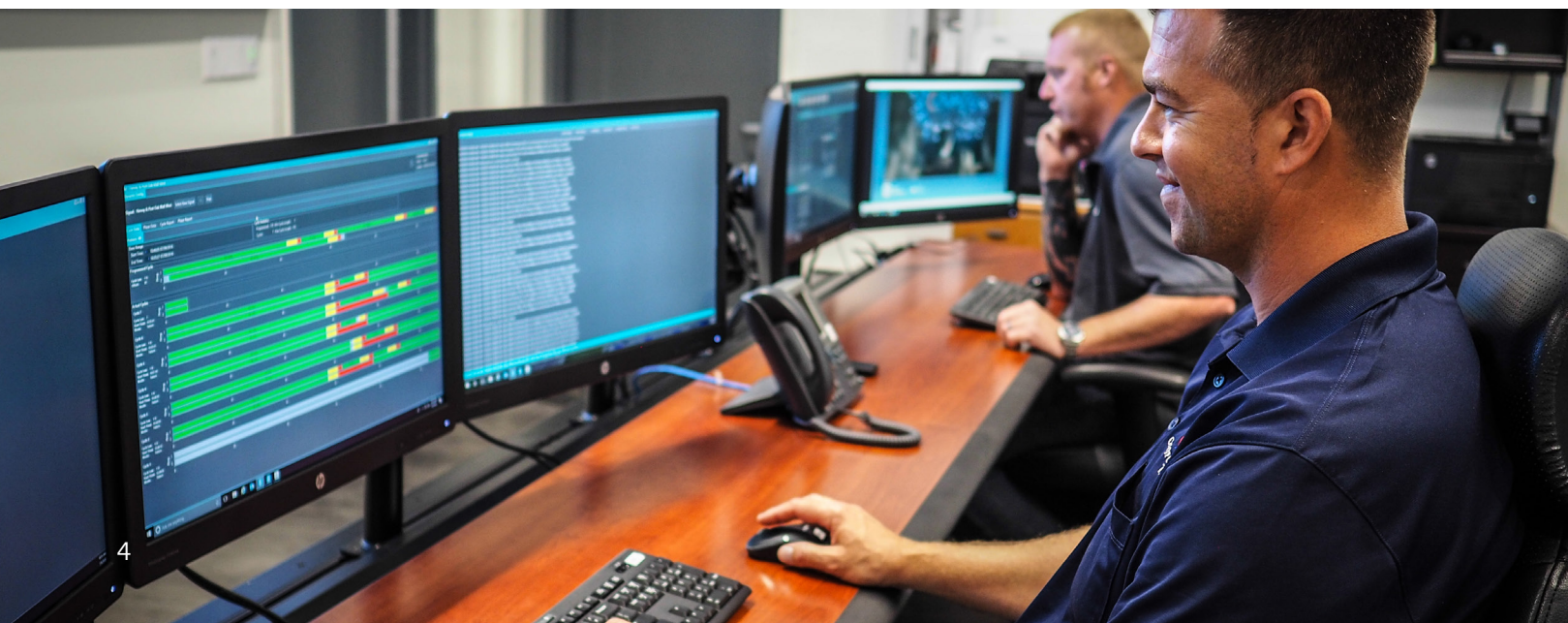


Time Space



List Groups

<p><b>TACTICS™ View</b></p> <p>Designed for portable use, ideal for consultants and engineers who wish to manage intersection data and edit the controller database</p>	<p><b>TACTICS™ Marc</b></p> <p>A closed-loop for field masters using SEMARC controller software that connects masters on the street for uploads/downloads with simple analysis and map displays</p>	<p><b>TACTICS™ smartGuard</b></p> <p>Web-based traffic management solution that allows remote system management from any Internet-connected browser</p>	<p><b>TACTICS™ Central</b></p> <p>Full signal control and traffic management features ideal for smaller cities or areas with a limited number of intersections</p>	<p><b>TACTICS™ Enterprise</b></p> <p>Full signal control and traffic management features plus advanced functionality such as quick response, perfect for larger volumes of traffic equipment</p>
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Feature	TACTICS			
	View	Marc	Central	Enterprise
Password-protected access	✕	✕	✕	✕
Controller status	✕	✕	✕	✕
Controller database upload	✕	✕	✕	✕
Controller database download	✕	✕	✕	✕
Serial connection support (including Serial over IP)	✕	✕	✕	✕
Dial-up connection support	✕	✕	✕	✕
IP connection support	✕	✕	✕	✕
OSM-based map	✕	✕	✕	✕
Selectable themes	✕	✕	✕	✕
SEPAC ECOM Support	✕	✕	✕	✕
SEPAC NTCIP Support	✕	✕	✕	✕
Configurable logging	✕	✕	✕	✕
Communication server	—	✕	✕	✕
Multi-user controller access	—	✕	✕	✕
Permissions control	—	✕	✕	✕
Agency and jurisdictional permissions	—	✕	✕	✕
Dashboard	—	✕	✕	✕
Intersection Status	—	✕	✕	✕
System detector status	—	✕	✕	✕
Active alarm status	—	✕	✕	✕
Port server and client status	—	✕	✕	✕
List and compare database controller to central	—	✕	✕	✕
Parameter history and rollback	—	✕	✕	✕
MARC Master Support	—	✕	✕	✕
Standard and custom reports	—	✕	✕	✕
Synchro support	—	✕	✕	✕
System maps	—	✕	✕	✕
Custom map labels	—	✕	✕	✕
Traffic responsive	—	✕	✕	✕
Time of day	—	✕	✕	✕
Light Rail Transit support	—	✕	✕	✕
Zone/Group Broadcasts	—	○	✕	✕
Quick response	—	○	○	✕
Quick response status	—	○	○	✕
Time-space diagram	—	○	✕	✕
Split monitoring	—	○	✕	✕
Second-per-second monitoring	—	—	✕	✕
Logical grouping of controllers independent of signal control	—	—	✕	✕
Scalability with multiple communication servers	—	—	✕	✕
Upload/download from a controller to another	—	—	✕	✕
Virtual ports for 3rd party applications	—	○	○	○
Center-to-center	—	—	○	○

Where: ✕ Standard    ○ Optional    — Not available

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