TACTICS™ smartGuard

Web-based Traffic Management –
A smart, prudent and scalable approach to traffic management

Anytime, anywhere
TACTICS smartGuard is an innovative software that enables you to monitor and control traffic signals with a smartphone, tablet or PC safely and easily, anytime and anywhere you have web access. With TACTICS smartGuard, you have the flexibility to view your information wherever, whenever works best for you.
**Scalable**
Equally important, these remote traffic management capabilities are scalable to virtually any need or resource. TACTICS smartGuard provides traffic center capabilities to smaller cities and transportation agencies without the need to invest in system hardware or central IT staffing. Larger municipalities and agencies can also provide remote access to traffic center capabilities without the need to invest in new hardware or maintain costly software upgrades.

The two deployment modes enable traffic agencies to tailor TACTICS smartGuard to suit their needs.

Mode 1 is intended for traffic agencies that don’t have a central traffic management system such as TACTICS. In this case, intersections are connected directly to the TACTICS smartGuard system using secure communications. Mode 1 is suitable for systems of any size, but ideal for less than thirty intersections.

Mode 2 is intended for traffic agencies that currently use a central traffic management system such as TACTICS. In this case, users access TACTICS smartGuard over the internet using secure connection mechanisms, but controllers are connected to the existing TACTICS server. Mode 2 is suitable for systems of any size, but ideal for over thirty intersections.

**Flexible**
TACTICS smartGuard provides remote communications to field operations even for users without an existing traffic management system. It supports current customers who use our TACTICS Advanced Transportation Management System (ATMS) by providing managers and field technicians the benefits of remote access through a simple connection to the TACTICS ATMS, which runs on Siemens secure servers. No need to burden IT personnel with security concerns, set up a virtual private network (VPN), firewalls, or additional hardware – we’ve already taken care of that for you.

**Backwards compatibility**
TACTICS smartGuard builds on the same components as our TACTICS ATMS products, including TACTICS MARC, Central, and Enterprise. This means that TACTICS smartGuard is compatible with current and previous versions of SEPAC controller software.

**Managing traffic has never been so easy**
If you’re a manager, you can sit in an office, present in a conference room, or address a public forum and instantly have the real-time status of the signals or systems under discussion.

If you’re part of a traffic management center staff, you can receive alerts, log on at your desk, in the street, en route, on site, or even at home. Experience how much more efficient and productive TACTICS smartGuard will make you.

It’s easy. It’s efficient. And very effective.

**High Quality Visual Information**
The clear, intuitive design of the TACTICS smartGuard graphical user interface and its five display screens will already seem familiar to you – as familiar as your traffic system.

1. **Map Display** – The map view is based on OpenStreetMap and presents a one-click overview of your entire traffic system. Swiping your finger or cursor across a rollover opens a window and displays key information about controllers or detectors. You can zoom in and out with a pinch gesture and swipe your way through map sections. From the map, you can directly access other functions to modify a signal plan.
2. **List Display** – If you prefer to work with lists instead of maps, choose the list format to review key data on the objects in your system. Flexibly sort and group objects by device type, control level, or name and number to make your tasks even easier.

3. **Detailed Display** – Simply tap or click on an object in the Map or List Display to open a window that provides a more detailed look at intersection details.

4. **Dashboard Display** – Check system status at a glance. Red for alarms and yellow for warnings call instant attention to important messages. Take it a step further by querying causes and place critical objects on a watch list. The Dashboard also displays time-stamped status changes individually by object, or in historical summaries.

5. **Archive Display** – The signal plan archive provides easy-to-read operational data history, while another archive shows historical detector data.

With TACTICS smartGuard, you have so much more information at your fingertips.

**Technical specs**
- HTML 5.0 interface supports multiple platforms
- Android, iOS, Windows, OS X, Linux
- Works with SEPAC, NextPhase and most NTCIP controller software
- Supported by Firefox, Chrome, and Safari

**The business case**
As a web based deployment, TACTICS smartGuard provides a variety of unique benefits to traffic agencies of all sizes and budgets. The most unique aspect of TACTICS smartGuard is its flexible procurement plan.

The subscription model economically spreads investments across an expanded user base rather than bearing all the costs as a sole owner.

TACTICS smartGuard is a smart way to go.
The two-level security architecture of TACTICS smartGuard ensures safe operation. To access monitoring functions, you'll need to enter a username and password, but for active interventions, such as changing traffic light switching plans; you'll need to enter an additional mobile PIN, which is sent to your mobile device.

When you work with Siemens, you enjoy security benefits that smaller competitors can't offer. First and foremost, Siemens will host and guard your system data on our own private servers, instead of putting critical data on a server in a public cloud.

In addition, Siemens has its own dedicated security group with experience handling issues that have consequences on scales both personal and global. National governments regularly consult our experts on matters of technology and information security. Healthcare providers rely on our systems for privacy and integrity of data and, internationally, we've developed security standards for communicating with traffic signal controllers.

TACTICS smartGuard is a flexible, economical and easy-to-use web-based mobile traffic control center that can protect your traffic signal data and the integrity of your operation. Nothing could be smarter, easier, more scalable or secure.

You've never been more in control.