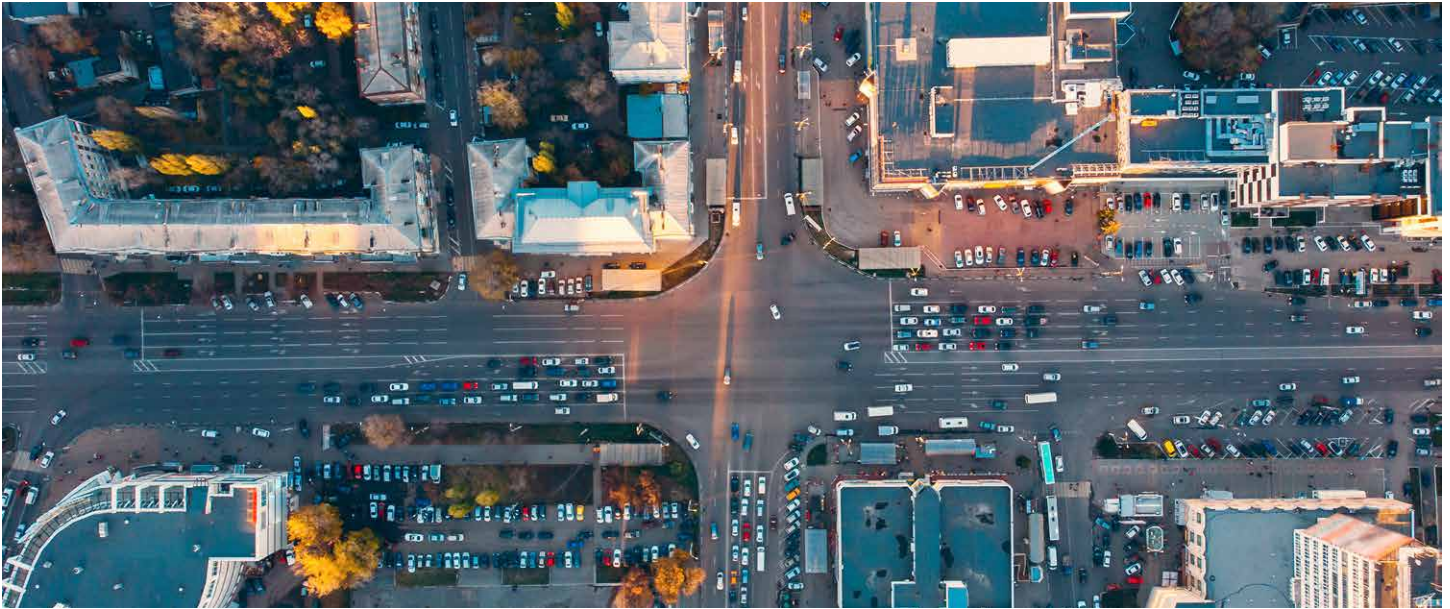


KINETIC[®] SIGNALS

CENTRALIZED TRAFFIC SIGNAL SYSTEM



OVERVIEW

Kinetic[®] Signals is an evolution and advancement of Q-Free's celebrated MAXVIEW ATMS advanced traffic management system that monitors and controls traffic signal and ITS operations in real time.

The modern interface turns rookies into power users in no time and allows experienced users to quickly leverage the power of more advanced features.

A comprehensive intersection editor provides a holistic view of operations by mapping things such as lane maneuvers and vehicle or multimodal detectors in addition to signal heads and controllers. The same map can easily be replicated for alternate applications like adaptive signal control or connected vehicles, boosting efficiency and saving time.

Underscoring Q-Free's commitment to open, collaborative systems, Kinetic Signals strictly adheres to NTCIP protocols. By empowering users to add any NTCIP-compliant controller, the system reduces the need to manage legacy and new central systems during integration. In addition, Q-Free's data sharing API comes standard.

Built on our landmark Kinetic Mobility platform using a modern tech stack, the system is available as software as a service (SaaS) with a lower cost of entry, making it accessible to agencies of all sizes. Easily scale and integrate other Kinetic applications for a holistic approach to transportation management, including automated event management, sign control, video, and more.

BENEFITS

- Advance mobility today and pave the way to the future
- Manage your entire traffic network from a real-time map
- Track device status and graphically follow the network path from the devices back to servers
- Visualize real-time graphical data as well as usage charts with the ability to perform trend analysis
- Retain and display a history of system events that can be used to monitor operations and/or troubleshoot
- Easily expand and maintain devices with in-app licensing
- Integrate with third parties via dedicated API engine using GraphQL
- Software as a service features low upfront costs, no maintenance, and only pay for what you need



WEB-BASED, THIN
CLIENT PLATFORM



REAL-TIME DATA
AND USAGE
REPORTING



ADVANCED FEATURES

ATMS FUNCTIONALITY

- All devices in one tree with view filters
- Single Sign On and federated authentication - Keycloak
- Configurable maps; no external programs necessary
- Expanded status displays and event monitoring
- Supports spanning across multiple browser windows
- Selectable multi-menus view for easy editing
- System-wide enhanced filtering options
- Real-time split monitoring in coordination and free
- Real-time analysis tools and events monitoring

DESIGN

- Complete local geometry design
- Customizable signal indications
- Corridor design
- Multimodal support
- ATSPM configurations supported

INTERSECTION CONTROL

- Scheduler based command/control
- Timeline views - day/month/year
- Manual control
- Actions sets
- Applied commands status

DATABASE EDITOR & MANAGEMENT

- Live front panel editor with tracking
- History of changes with ability to rollback
- Comparison and cloning
- Draft database and approved databases
- Storage for ancillary signal files



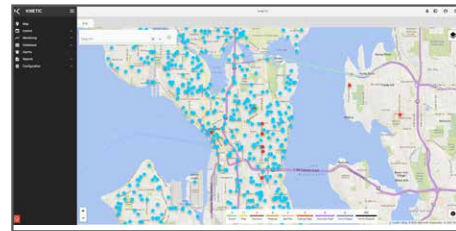
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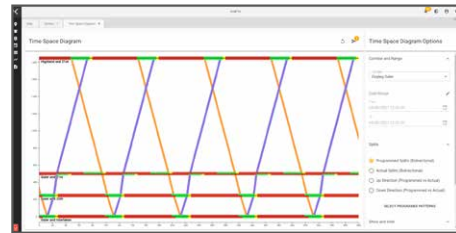
Product specifications may change at any time without notice and may not be available in all markets.
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REPORTING

- High-resolution data collection and reporting
- Built-in ATSPM reporting capabilities
- Interactive Time Space Diagrams with offset editing
- Customized reporting using device event details, communications logs, and external reports
- Full support of NTCIP compliant alarms
- Alarm delivery supported via toast notifications, audio alerts, email, and text



Web user interface



Time space diagram

KINETIC® MOBILITY

Bring your traffic management data, tools, and teams together with Kinetic Mobility.

Transcending operational boundaries, the platform keeps your data safe and secure while allowing you to collaborate on common goals across local, intercity, and regional applications.

Make better decisions faster.

Contact us today to learn about our holistic approach to managing the ever changing mobility landscape.

