

# KINETIC<sup>®</sup> MOBILITY

INTEGRATED TRAFFIC MANAGEMENT SOFTWARE SUITE



## BRING YOUR TRAFFIC MANAGEMENT DATA, TOOLS, AND TEAMS TOGETHER WITH KINETIC<sup>®</sup> MOBILITY

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

Through a single user-friendly interface, Kinetic delivers field-proven solutions for all of your ITS devices, including traffic signals, freeway management, event detection and response, dynamic message signs, CCTV controls, video wall displays, and more.

Where most solutions force users to work in silos and restrict the integration of other manufacturers' devices, Kinetic Mobility breaks down silos to facilitate collaboration among communities, regions, and vendors.

The system is uniquely designed to run on the cloud but can also be installed on premises to ease transition for existing customers. Best of all, every Kinetic application is available as software as a service (SaaS) lowering the cost of entry and making it more accessible for agencies of all sizes.

- Manage all ITS devices natively in a single platform
- Create custom work spaces to meet agency and individual needs
- View and control all devices from a dynamic map
- Unify local, intercity, and regional traffic operations
- Save time with automated work flows, reports, and recommendations
- Gain actionable insights from easy-to-read analytics and reporting dashboards



Responsive design



Open API



Simple user management



Encrypted access control



Kinetic Mobility brings the 21st century to transportation management delivering robust, user-centric features that deliver optimal performance today and into the future.

## CUSTOMIZE YOUR SOLUTION

### MULTIPLE APPLICATIONS TO MEET YOUR NEEDS

Our single Kinetic Mobility platform features an ever-growing list of applications from which you can create your own fully-scalable, standards-based solution.

- Analytics – data insights and analysis
- Counts – traffic counts & classification
- CV – signal data for connected Vehicles
- Events – automated detection & response
- Signals – traffic signal control
- Signs – sign control and messaging
- Video – video distribution and video wall

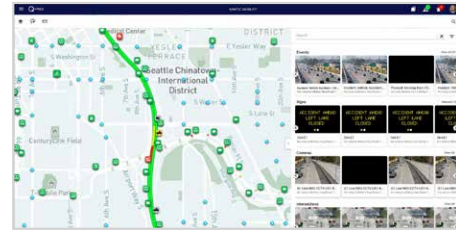
## KINETIC SAAS

### YOUR SUBSCRIPTION-BASED ATMS

In addition to traditional cloud or agency-hosted solutions, all Kinetic applications are available as software as a service.

Kinetic SaaS solutions are a cost effective and scalable way for government agencies to meet the growing needs of their communities. Benefits include:

- ✓ Lower cost of entry
- ✓ No long-term commitments
- ✓ Easy to scale
- ✓ Faster to deploy
- ✓ Only pay for what you need
- ✓ Eliminates maintenance costs and worries
- ✓ Boosts data security
- ✓ More redundancy to prevent data loss and outages



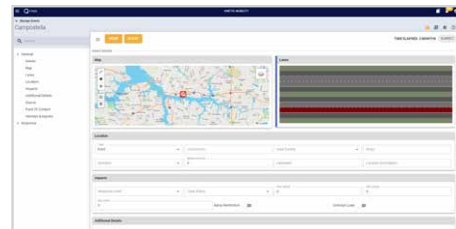
System map with quick-access device dashboard



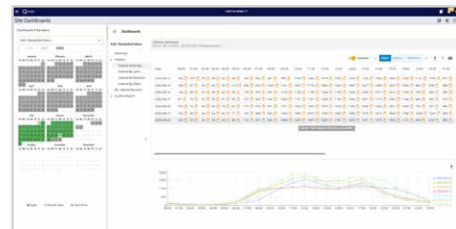
Video wall scene selection



Searchable device lists



Event creation and response form



Sample road use & classification reports

## PLATFORM FEATURES

Core Kinetic Mobility functions across all applications

	<i>Features</i>	<i>Base standards/protocols</i>
Core functions	<ul style="list-style-type: none"> <li>Central map and Entity Drawer</li> <li>Custom views (location, zoom level, layer selection)</li> <li>User-configurable dashboards</li> <li>Bookmarks</li> <li>System-wide Search</li> <li>In-app help and documentation</li> </ul>	<ul style="list-style-type: none"> <li>Supported basemaps: Bing, ESRI, HERE, MapBox, and OpenStreetMaps</li> <li>Configurable layers/overlays: GeoJSON, XYZ, Quad-Key, and WMS</li> </ul>
Access control	<ul style="list-style-type: none"> <li>Single sign-on (SSO)</li> <li>Encrypted user management</li> <li>User profiles, roles, and groups</li> <li>Identity brokering and user federation</li> <li>Role-based security at system, group, and device level</li> </ul>	<ul style="list-style-type: none"> <li>Supported authentication protocols: OpenID connect, SAML 2.0, OAUTH2, Active directory, AzureAD, Google</li> </ul>
User interface	<ul style="list-style-type: none"> <li>Light, dark, and custom themes</li> <li>Responsive design</li> </ul>	<ul style="list-style-type: none"> <li>Material UI – based design specification</li> </ul>
Integration hub	<ul style="list-style-type: none"> <li>Device creation &amp; deletion</li> <li>Device groups</li> <li>CAD Integration</li> <li>External system integration</li> </ul>	<ul style="list-style-type: none"> <li>Camera Control: NTCIP 1205, ONVIF, and 13 proprietary protocols</li> <li>Video Streaming: RTSP, HLS, DASH, MJPEG and WebRTC</li> </ul>
Reports & Analytics	<ul style="list-style-type: none"> <li>Dashboards</li> <li>Import and export</li> <li>Custom reports</li> </ul>	<ul style="list-style-type: none"> <li>Export types: csv, Excel, PDF</li> </ul>
Architecture	<ul style="list-style-type: none"> <li>Modular, plug-in architecture</li> <li>Volume-based licensing</li> <li>Scalable up to thousands of devices and users</li> <li>SaaS or on-premises</li> </ul>	<ul style="list-style-type: none"> <li>Cloud native deployments: AWS, Azure, GCP</li> </ul>