

# LocaleIQ™ Management Suite for IoT

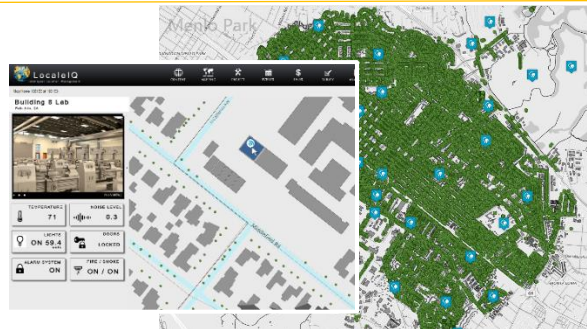


**LocaleIQ™ for the Internet of Things** provides a SaaS solution for land and infrastructure managers to gain valuable insights and ROI on their IoT investments through real-time geospatial visualization of sensor and machine data and an automated way to take action on that data.

## Geospatial Visualization

Sensor and machine generated data are more meaningful when they can be viewed in a spatial context and in association with other important location-based information and data. Using **LocaleIQ Map Manager**, to view and manage your IoT data in a geospatial way gives you a true relational understanding of your data ecosystem within the context of the **LocaleIQ Content Manager** administered lands, infrastructure, inventory, and services you manage.

Use our IoT gateway partners to consolidate all your IoT data, or **LocaleIQ APIs** to connect to IP-enabled sensor and machine data or REST services, then display this dynamic data on 15+ map tile layers. Manage and view sensor data, alongside machine and human managed data, by location, sensor type, data category, feature or inventory type. Drill down from a high-level overview into data details for a specific sensor and its related location data and information.



## The Future

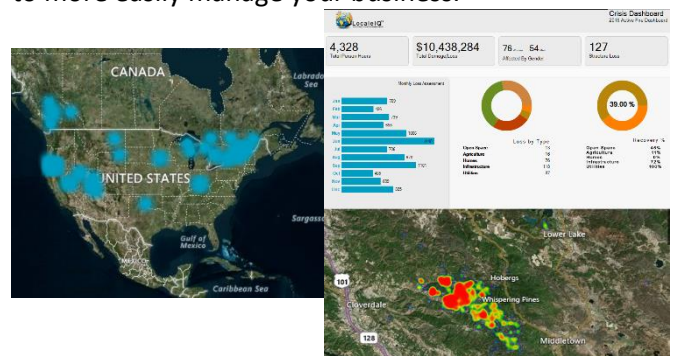
Experts predict that by 2020 sensors will be producing over 10% of all data generated.



Whether sensors and machine data is used for development planning, safety and security, transportation efficiencies, asset tracking, measuring site usage, industrial effectiveness, or crisis management and restoration, this data will be a critical component to your management strategy.

## Location Intelligence

The **LocaleIQ Analytics Manager** gives you the data and reports you need for location intelligence (LI) insights and to more easily manage your business.



## Relational Data

IoT information should not exist in a silo. It is dependent on multiple layers of related data such as infrastructure, inventory, conditions, and resource availability. LocaleIQ provides a way to manage this related information and data in a single solution then communicate relevant resulting information internally and, when necessary, to the public.

## Take Action

Your data is only valuable if you can take timely and cost-effective action on it. Manage anomaly detection by setting telemetry thresholds then use **LocaleIQ Project Manager** to generate the appropriate automated events comprised of alerts, actions, and projects when the data is outside the specified threshold. Document and share action(s) taken and results information for internal tracking and analytics.

## Public Alerts & Notifications

Share alerts and information automatically with the public through real-time map and web content updates to let them know when and where events, such as air or water quality hazards, are taking place. Create conditions information in a way that the community can understand and consume.

For example, if a bus's onboard tracker indicates that it will be late, you can give your ridership a way to view its exact location and status via an online interactive map. For beach goers, publish a map with water conditions posted as green, yellow, or red based on water quality sensor telemetry thresholds. Beach users can see updates in real-time on a map in a way they can understand and consume information.

## Real-Time Updates

LocaleIQ gives customers the ability to manage and publish their information in real-time via the cloud, giving field staff the ability to manage data and information from anywhere on any internet accessible device, freeing up technical staff to do more important tasks than managing software downloads, maintenance tasks, and heavy computing resource requirements.



## Key Features & Benefits

- Sensor and map platform agnostic
- IoT data, infrastructure, inventory, and resource mapping without GIS expertise
- Sensor data collection via APIs
- Auto-generated real-time alerts, closures, projects, and actions
- Project management for field staff via any internet accessible device
- Categorize sensors and data by location, feature, type of telemetry, and data categories
- Manage and report on relational data from sensors, machines, and people
- Collaboration platform for internal data sharing
- Descriptive content, geospatial, and multimedia information management
- Real-time publishing of content and data internally and externally to any Internet accessible device
- Location and business intelligence and reporting