

trinity **ICCC** 

Integrated Command & Control Center



SMART CITY DIGITAL PLATFORM

Integrated Command & Control Center

An Horizontal Platform, that Collect, Aggregate and Normalise City Data from various connected systems – City Sensors from City Roadside Infrastructure, City Surveillance Cameras, City Vehicles and City Applications and store the data in a manner that can be easily consumed by City Operations Center, Citizen and City Applications.

The City Digital Platform also provides common services like GIS based Map Visualisation and Intelligence, Enabling Citizen and City Workforce to use Mobile based App for real time visibility of the incidents and to take action .

An API Management Engine integrates the City Level Digital Platform to other external and internal applications and enable Restful API service so that Data can be consumed by the ICCC Application Platform, Smart City Applications, Mobile Apps for Citizens and Workforce, External City Applications, etc.

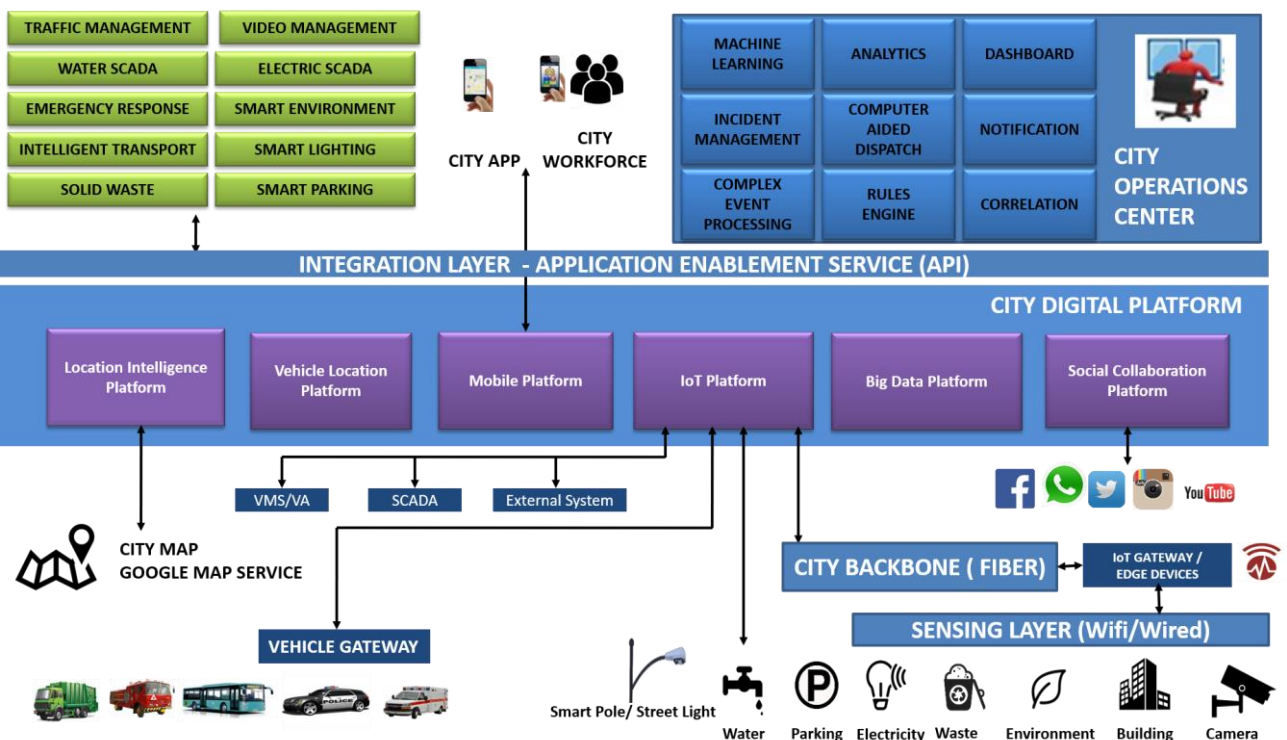
Key Benefits

IoT based bundled solution to interconnect sensors and devices and aggregate data.

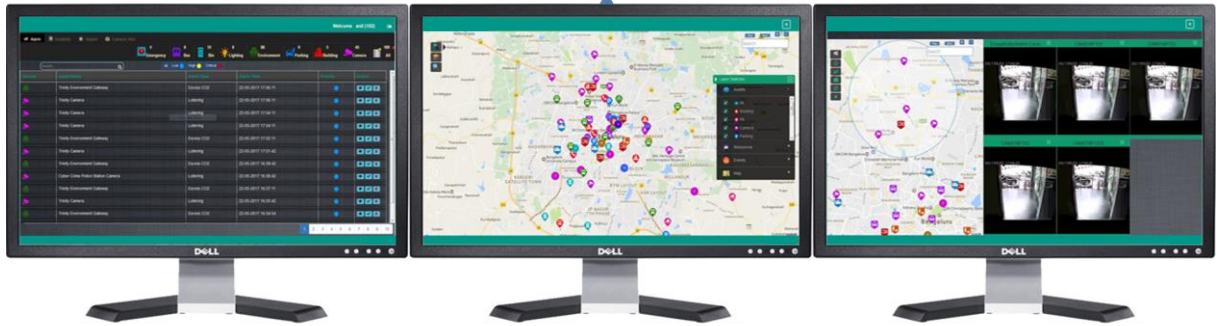
Derive key information, make decisions, and control systems in real-time through sensor data analytics.

A Common Platform across the city operations for multiple applications.

How It Works



Key Features



Alarm Management

Map-based Visualization

Video Visualization

Easy to use fully integrated Multi-Monitor web console



Alarm Management

- IoT based Sensor Data Aggregation and Normalization
- Stream Analytics based Real Time Data Processing for Alert Generation
- Rule Engine based Sensor Data Correlation
- Industry Standard API approach for Integration with Smart Cities Advanced Map and Video based Visualization and Situational Awareness.



Situational Awareness

- Map Based Situational Awareness of Assets, Resources and Events on a single Pane.
- Object based Interactive Building Floor Plan, Parking Layouts, Bus Inside ,etc.
- Visualize real time video and sensor data feeds.
- Integrated with Google Maps for ETA, Traffic, Routing and trip play of moving resources.
- Advanced Map based search functions.



Incident Management

- Incident Management System for events
- View real time data from sensors , Vehicle based resources , camera and associated devices.
- Customizable layout.



Field Workforce Automation

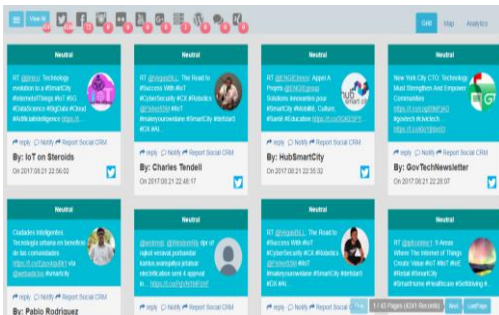
- Mobile App support for Smart Phone Tablet/Rugged Mobile Data Terminal
- Provide Full Visibility to Field Responder
- Map based Navigation support
- Live Video of Camera and Sensor Data insight
- Update Control Room on Status
- Action Taken Report including Audio, Video

Analytics

The Analytics platform enable further analytics to be performed including predictive analytics. The Platform comes bundles with Incident and Social Analytics Applications in a pre-integrated manner.

Incident Analytics

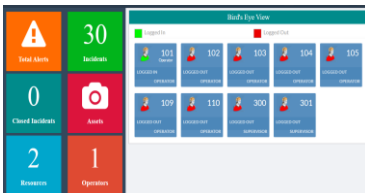
Big Data based Analytics platform provide the foundation for carrying out Analytics to provide actionable intelligence for city operators to respond effectively and efficiently. The Analytics platform enable city operators to extract, transform and load data from external sources and fuse this data to understand data patterns and enable predictive intelligence.



Social Analytics

Social Analytics Platform is a Big Data based Platform that enable Public Safety Agency to listen to the various social media networks and websites and enable correlation of the data into sentiment analytics which can be mapped to various type of public safety incidents.

Control Room Dashboard



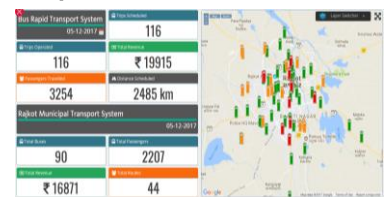
Provide overall summary of the command and control room operations.

CEO Dashboard



The Dashboard provides a quick summary of the various smart city applications and their KPIs.

Operational Dashboard



Each of the Smart city applications operations Dashboard provide second level details.

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