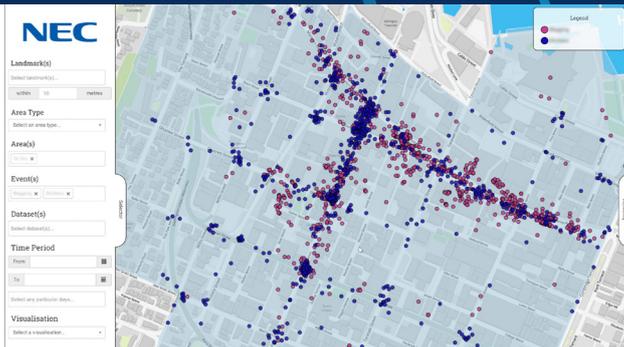


Smart City Solutions
City Safety

Inter-Agency Collaboration

Solution available January 2017



Target Sectors

- Local and Central Government
 - Real-time situational awareness
 - To assist with data sharing between agencies
- Law Enforcement
 - Tactical response
 - Resource planning

Challenges

- Inability to share data between agencies efficiently
- Lack of agency situational awareness
- Various platforms create data silos between agencies

Solution

- Shared common data platform
- Situational awareness view providing real-time incident analysis
- Platform integrates all third party data sources
- Availability of data for all agencies for evidence-based future planning

What is Inter-Agency Collaboration?

Maintaining city safety involves a complex group of agencies working together to prevent incidents, respond to issues in real-time and make evidence-based decisions on safety and resource planning.

To manage safety, a city requires a common platform which enables data sharing and integration, real-time situational awareness and the ability for agencies such as Police, Accident Emergency, Fire and various social organisations to all understand what is happening in a city.

Inter-Agency Collaboration Solution

NEC has developed Inter-Agency Collaboration (IAC) to manage city safety. IAC leverages various hardware and software technologies to provide a shared data platform allowing agencies to collaborate.

Hardware such as CCTV, audio sensors and volatile (smelling) sensors are combined with machine learning techniques, such as video and audio analytics, to provide real-time data feeds for agencies to see what is happening in real-time. Agencies have various tiers of access depending on the need for data and security clearance and the system is deployed in a closed-loop to ensure the platform meets necessary privacy guidelines.

In addition to providing a real-time view of what's happening in a city and detecting incidents through machine learning, the IAC platform enables agencies to analyse data patterns and make informed planning decisions. The IAC platform allows users to create heat maps on the situational awareness view to see trends and patterns, such as movement of various incidents over time, or changes in the location of incidents due to different events, weather or any other factors. The IAC platform also integrates 3rd party data sources to enable a city to continue leveraging current applications, widgets and data collection tools.

Integration with Kite

The IAC platform is designed for seamless integration with the Kite Flexible Sensing Platform. Cities can leverage Kite for various other sensor data, such as air quality, temperature, humidity, traffic, parking, streetlighting and noise to provide further data for agencies on the IAC platform. Kite's gateway and mote devices can also be leveraged for wireless networking and backhaul of data.

For more information, visit au.nec.com, email contactus@nec.com.au or call 131 632

Inter-Agency Collaboration | v.18.10.16

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