

Inter-Agency Collaboration **Today** for Safer Cities **Tomorrow**





Inter-Agency Collaboration (IAC)

is an advanced and flexible public safety solution that comprises 3 technology pillars:

Information Governance (IGS)

- Allows information and raw data secure sharing through the authorization and execution of governance policies
- Supports the monitoring of the integrity status of all sensors (fixed, mobile or ad hoc), nodes and servers within the organization
- Data is effectively enforced with role based access control (RBAC) for authorized access to data & information

Benefits:

Supports the Evidence Act that can be presented in courts. Digitally Signed Sensors' content ensures non-repudiation as device/node integrity is enforced

Safety Awareness Network (SAN)

- Integrates & controls various sensors and content stores, collects & analyses the meta data through numerous/multiple analytics engines with optimized resources utilisation to eliminate performance bottlenecks
- Supports machine-to-machine (M2M) capability that allows its network of sensors to discover new devices deployed within its network without human intervention
- Supports the display of information to the public on a timely basis, based on scenarios such as evacuation route during an emergency

Benefits:

Provides a scalable platform for analytics engines to be plugged in such as Biometrics, Face Recognition, License Plate Recognition, crowd density/counts and others

Geo Spatial Analysis (GSA)

- Receives event and meta data information from multiple sources, and performs aggregation, consolidation, processing and reasoning of these massive collection of data and events
- Presents semantic information to the end-user in an intuitive way to enhance situational awareness perception

Benefits:

Provides right information to the right people at the right place and the right time

IAC is an end-to-end solution that analyzes sensor data and triggers geo-spatial alerts, to enable various stakeholders make sense of a situation in a collective state. IAC offers:

1-> N Scalability

Sensor Fusion

Small Brain/Analytics

Big Brain/Reasoning

Situation Awareness

to manage the projected proliferation of sensors, devices and analytics

to confirm the occurrence of an event

to plug in various analytics engines

to perform sense making based on various pre-defined ontology

an intuitive display of perception of the environment critical to decision makers in a growing complex & dynamic world

Applications

Multi-modal Authentication

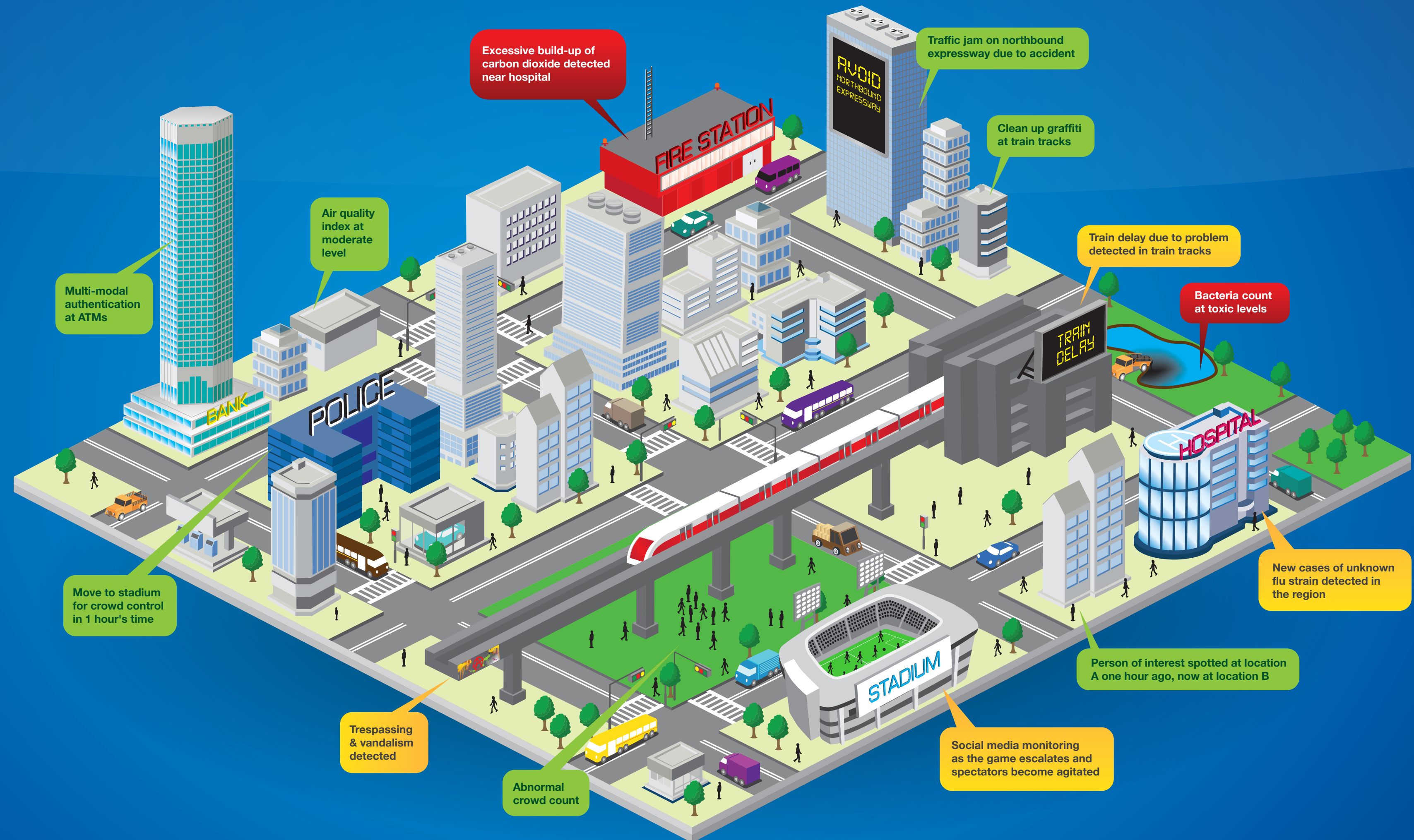
- Replaces user password authentication as the future of banking
- Enables the new generation of biometric passports
- Safeguards election integrity

Sensor Fusion

- Improves surveillance by combining sight, sound, smell and other information such as crowd monitoring to verify the data collected
- Provides aggregation of multiple alerts to confirm a situation
- Monitors social media

Situation Awareness

- Delivers real-time alerts based on mapped coverage at the right place, right time
- Enhances decision-making through the interplay between the entities of People Objects Location Event (POLE)





About NEC Global Safety Division

NEC Global Safety Division, a business division within NEC Corporation, spearheads the company's public safety business globally. The Division is headquartered in Singapore and offers solutions in the following domains: Citizen Services & Immigration Control, Law Enforcement, Critical Infrastructure Management, Public Administration Services, Information Management, Emergency & Disaster Management, Inter-Agency Collaboration. Leveraging on its innovative solutions, the Division aims to help government and business make cities safer.

Vision

To be the leading Public Safety Solutions Provider in the world

Mission

To help government and business use technologies to build a safer environment for life and work

Purpose Statement

We Make Cities Safer



- ▶ Citizen Services & Immigration Control ▶ Law Enforcement
- ▶ Critical Infrastructure Management ▶ Public Administration Services
- ▶ Information Management ▶ Emergency & Disaster Management ▶ Inter-Agency Collaboration

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