



SAFE AND RESILIENT CITIES

Single Suite Software solution for Safe Cities

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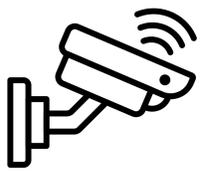
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THE PROBLEM

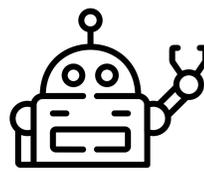
Public safety has emerged as a vital function & a major challenge for governments across the world. It refers to the duties and functions of the state in ensuring safety of its citizens, organizations, and institutions against various threats.



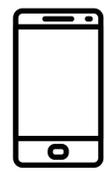
Smart Surveillance



Smart Detection



AI and Advanced Analytics



Communication Technologies

THE OUTSET

The **Trinity Safe City Solution** incorporates multiple layers of advanced technologies and security subsystems to provide city-wide safety. The 'centralised operations' feature of this solution enables a quick response mechanism whenever security needs arise. The **Safe City Solution** reinforces public administration, improve people's lives, and encourages a long-term technological evolution. Cities can utilize this solution to quickly build their core capabilities such as Event Monitoring and Visualisations through 'Command-and-Control Center' and 'Video analytics'. These features respond to emergency requests through Trinity's state-of-the-art Next-Gen CAD (Computer Aided Dispatch) which enables public safety officials to take preventive measures through predictive analytics.

Statistics from using Trinity's Next-generation digital and safe technologies

Reduce crime by
30-40%

Improve response
time by upto
35%

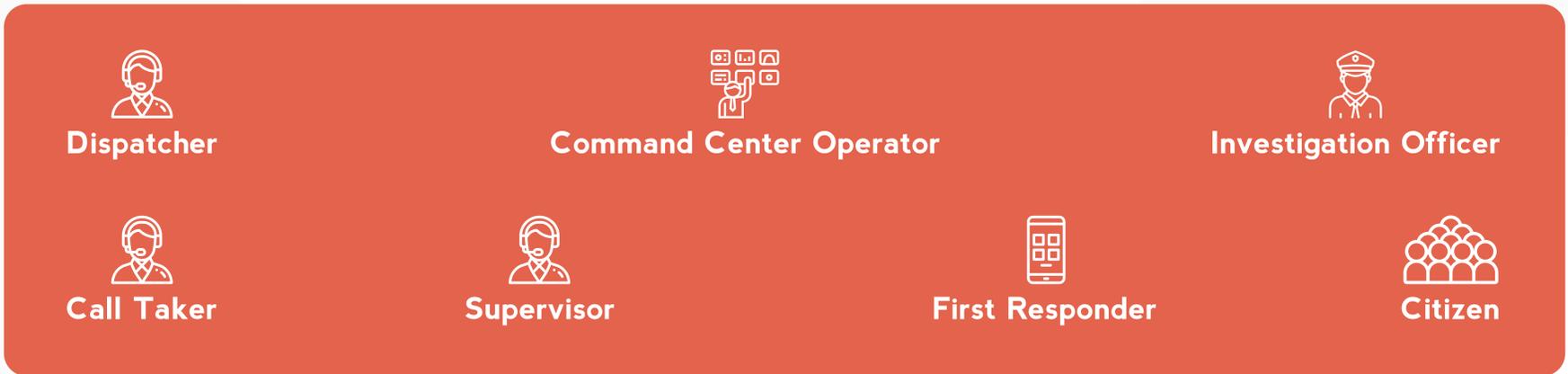
Reduce
fatalities by
8-10%

SOLUTION STACK

The Safe City Software Suite comprises of a single suite software which covers – Safe City Digital Platform, Safe City Applications for City operations and departments, Citizen App for citizen to raise emergency service request and real time tracking of complaints; followed by First Responder’s App for field workforce to action take actions on the complaints.

Three Layers of Smartness

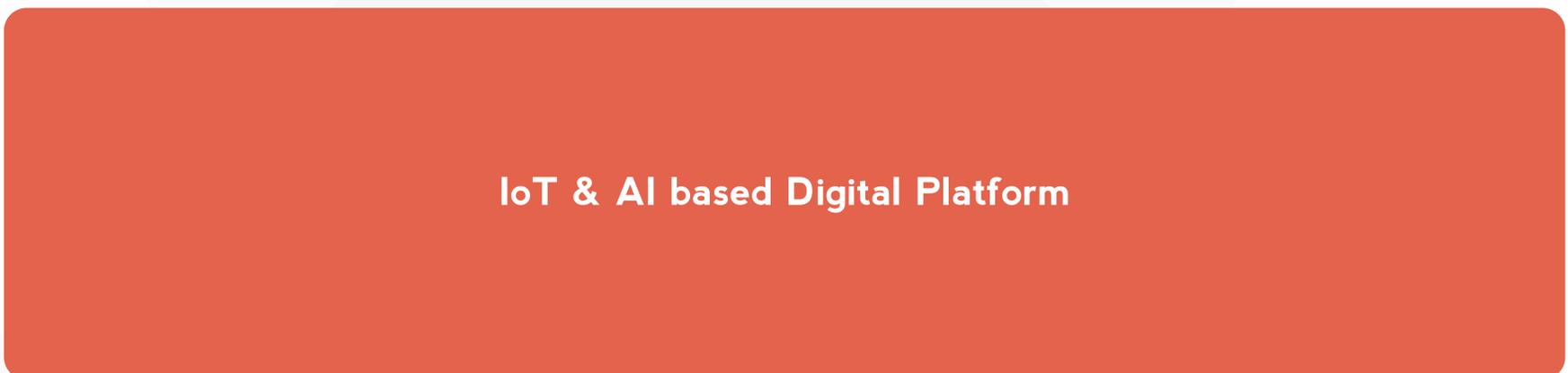
Persona



Applications



Platform



KEY OUTCOMES



Omni-channel support to field emergency service requests



Video Analytics to drive real-time crime response



Dispatch First Responders to reach the situation quickly



Build a 360° situational awareness for operational efficiency



AI-driven predictive policing to prevent crimes

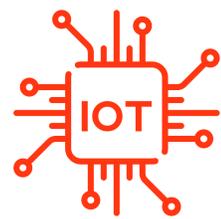


Digital Intelligence-driven investigation

CORE PRODUCTS

trinityIoT - IoT and AI platform

An IoT and AI-based digital platform that enables Integration of data from sensors and application systems, process the data for complex events, store the data for further analysis by additional applications, and provide advanced data analytics through built-in BI (Business Intelligence) & AI (Artificial Intelligence) Engine.



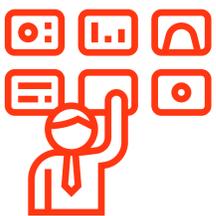
trinityICCC

Integrated Command & Control Center Platform

Integrated Command and Control Center

Trinity's Integrated Command and Control Center with Digital Investigation Command Center provides a real-time view of the incidents, status of the SOPs (Standard Operating Procedures), and the KPIs (Key Performing Index/Indices) to provide a comprehensive status of the events.

The ICCC's Map-based Visualisation provides a city-wide view of the assets, events and video insights with an all-inclusive Video Analytics abilities. Its Digital Investigation System has an easy-to-use interface for investigating crime incidents/occurrences under a single pane of glass. This system collects data from multiple sources like VMS (Video Management System), VA, Facial Recognition Systems, CCTNS, GIS (Geographic Information System) Citizen records, Social Media apps, etc. for investigations, analyses, and correlations.



CORE PRODUCTS



trinityRESPOND

Computer Aided Dispatch (CAD) Software

This is a state-of-the-art Computer Aided Dispatch which enables end-to-end emergency management operations with various user personas such as call taker, dispatcher, first responder, supervisor, and feedback operators. The CAD application is used in field emergency request calls through a Public Safety Answering Point (PSAP), providing help at the earliest.

trinityMOBILE - Workforce Management

Mobile Workforce Management System

A Mobile Workforce Management system that is Integrated with trinityIoT Platform and other applications to build Mobile apps with high functionality and seamless deployment. It is based on Mobile Back End as a Service (mBaaS) architecture that combines the capability of the Mobile Enterprise Application Platform (MEAP), Cross Development Framework, Mobile Workforce Management System, and Mobile Apps to deliver the solutions during all the stages of emergency.



BENEFITS

Enabling the detection: Video surveillance and video analytics

In a Safe City, CCTV surveillance cameras perform various functions like include general security monitoring of public spaces, suspect tracking, forensic investigations, and evidence gathering following an incident along with additional capabilities like traffic monitoring, enforcement, and automatic number plate recognition.

Enabling the quick responses: Internet of Things (IoT) and connected devices

The IoT is an important trend, especially in the Safe City space. With the exponential rise of connected devices, Trinity's solution ecosystem provides a data driven, coherent and an intelligent decision-making platform. These can be utilized in generating pre-emptive alerts entailed during attacks, disaster, and exigencies; thereby improving responses in real-time and speeding up forensic analyses.

Enabling the efficient policing: Mobile policing

The First responders have access to high-speed data, location information, images, and videos through these connected systems for an enhanced situational awareness.

Enabling the integration: Control room consolidation and resource sharing

Situation Control Rooms improve interoperability between different agencies, operational efficiency and effectively manage their budgets.

Enabling the prevention: Predictive crime analytics and big data analytics

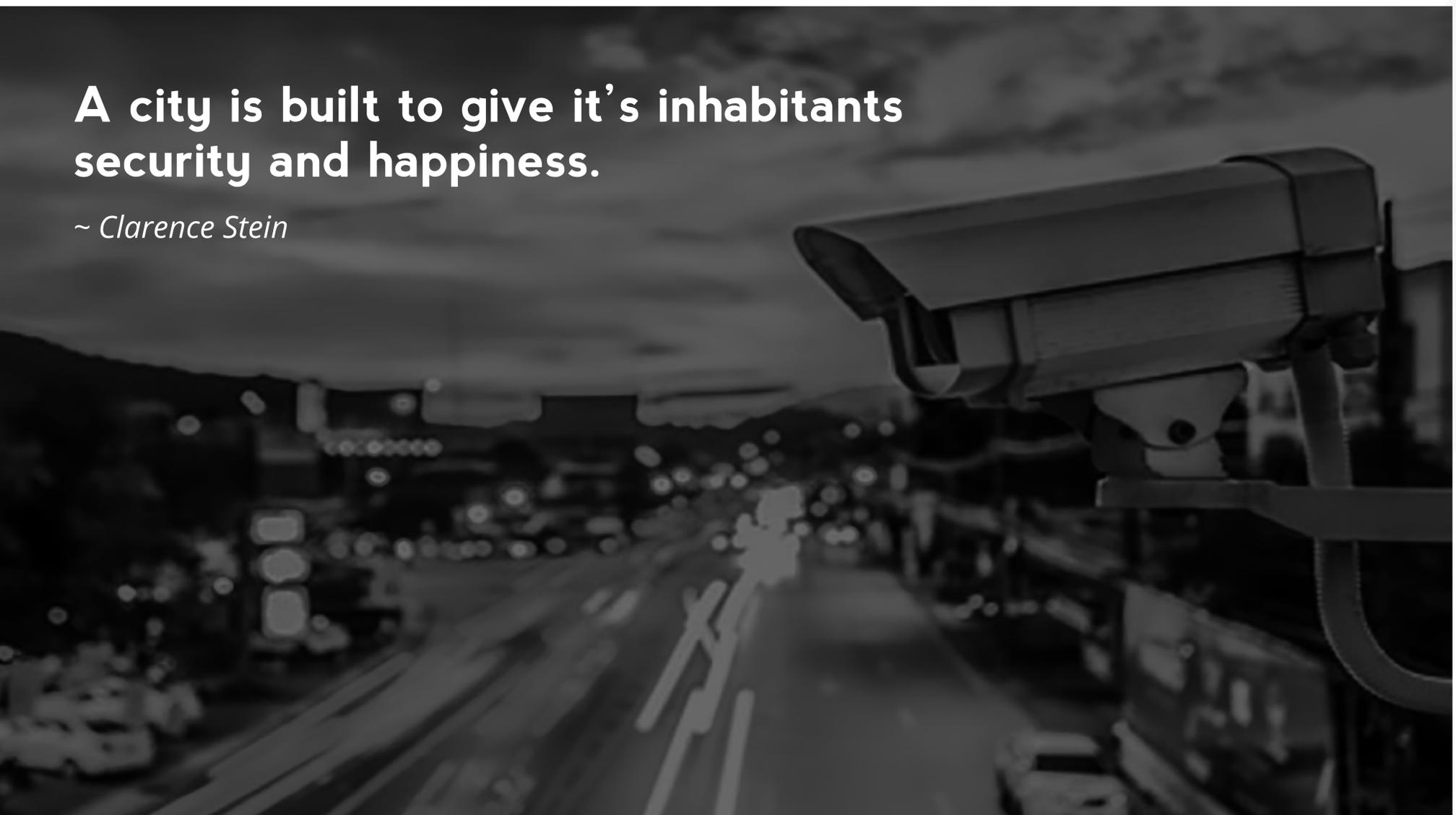
Trinity's Big Data Analytics will transition from sharing data to mining data, focusing on accumulating intelligence and disseminating the results across relevant agencies.

Enabling the sustainability of safe cities: Cloud Solutions

The future of Safe Cities will be shaped by multiple advanced technologies and trends. Providing a Cloud based software solution will enable cities to enhance public safety, manage waste efficiently, promote efficient energy consumption and develop a responsible society.

A city is built to give it's inhabitants
security and happiness.

~ Clarence Stein



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