

Innovative Unified Evidence Management Solution

By Tata Consultancy Services | Category: Implemented Innovations

This is an innovative, secure, compliant and unified IoT system for evidence management addressing the collection, aggregation and processing of digital data that helps law enforcement agencies to drive successful prosecution and/or offender outcomes faster and more accurately. This provides a holistic, multi-edged (police videos, emergency systems, social media feeds), tamper-proof solution which speeds up crime prediction / prevention and justice delivery thereby contributing an increase in citizen's confidence in a state's law and order.



The Context

Starting from an emergency call until the moment of verdict, there is need for an evidence management system to accelerate justice delivery. The following industry / business challenges triggered the innovation:

- Need for end-to-end hardware coupled with converged digital solution
- Digital transformation of unified evidences and analytics
- Accelerate justice delivery time
- Lack of legally compliant solutions
- Security and integrity of data handled - tamper-proof evidences
- Anytime, anywhere data access
- Need for centralised systems than existing isolated systems
- No converged product available
- Retain market leadership and address competition challenges
- Improve average justice delivery time



The Innovation

The mandated need in adaptation of new solutions in public safety space is to ensure the data integrity, protection, authentication and tamper-proof sharing of data. TCS' solution addresses the problem of ensuring data security, integrity and authentication, and provides a unified system to manage, transfer and view public safety digital evidences. Currently, the industry solution addresses evidence management in silo systems requiring manual processes for management resulting in huge time spent for manual processes and data retrieval, information access and interpretations.

KEY CHALLENGES

- Capture, store, streamline and share evidences using digital technologies
- Transform data into actionable intelligence for increased situational awareness and improved workflows
- A simplified, unified, comprehensive evidence management system

KEY SOLUTION FEATURES

- Device support
- Security
- Audit trails
- Automatic correlation
- Close cases quicker
- Easy upgrades and deployment



Overcoming Challenges

The key challenges in the current evidence management systems that the current industry or competition are facing includes:

- Capture, store, streamline and share evidences using digital technologies
- Transform data into actionable intelligence for increased situational awareness and improved workflows
- A simplified, unified, comprehensive evidence management system

Impact of the Innovation

revenue impact

\$1.5 mn

faster justice delivery in last 7 months

16.2%