Crossmatch Builds Biometric Solution for Police Agency in Europe

NEEDS

- Replacement for traditional ink and paper fingerprinting

- Rapid identification - in the field and in the police station

- Criminal booking solution that integrates with government databases

CROSSMATCH® PRODUCTS

- L Scan® Palm Scanners

- Store and Forward for Electronic Fingerprint Transmission (EFT)

OVERVIEW

A European police agency and its technology partners engaged Crossmatch to provide biometrics support for a criminal booking solution. The agency was transitioning from traditional ink-and-paper methods of fingerprinting into a completely electronic solution which would save time, produce more reliable matches and eliminate the requirement to store paper fingerprint cards. The agency also wanted to leverage data in government databases to pre-populate biographic information such as name, date of birth and national ID number into criminal records.

Following detailed engagements with the agency and its partners on their technical requirements, Crossmatch built a solution for criminal enrollments and rapid identification in cooperation with the agency's chosen system integrator.

CRIMINAL ENROLLMENT SOLUTION

For criminal enrollments, Crossmatch provided a kiosk which includes a PC, monitor, software and its best-in-class L Scan palm scanners. These versatile scanners allow for capture of standard ten print enrollments using both flats and rolls. They also provide for the capture of palm images which are critical for matching against latent images found at crime scenes.

The palm scanners capture, store and transmit information through a custom software solution created specifically for this police agency. Using the unique database submission format generated by the agency and its matching technology partner, Crossmatch created a custom platform called "Enrollment Centre" to meet the system's requirements. The software is fully integrated with the government's biographic holdings, allowing for pre-population of data from verified non-police sources.

The Crossmatch enrollment kiosks are deployed in over 370 police stations around the country. The kiosks are in constant use, handling over 2,500 enrollments per day and 3.3 million fingerprint searches every month.

The police agency is commencing a technology refresh. Due to their success with the Crossmatch solution, they plan to upgrade to Crossmatch palm scanners that include 1,000 pixel-per-inch functionality – a level of detail which will enable even higher automated match rates for palm images in the future.

CROSSMATCH®
The world identifies with us.™

BENEFITS

- Fast capture of fingerprint and palm images

- 1,000 pixel-per-inch functionality for higher automated match rate

- Leverages government database to pre-populate biographic data

- Ability to print a fingerprint card for court proceedings

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VERSATILE IDENTIFICATION SOLUTION

Crossmatch created a system designed to simplify the procedure of determining whether a suspect should be kept in custody. The system uses an easily captured fingerprint image to quickly query the criminal database for any relevant records.

Of course, not all police work is done behind a desk or at a police station. For the police agency's work in the field, Crossmatch provided a Jump Kit which replicates the functionality of a booking kiosk for mobile deployments. Using the Crossmatch L Scan palm scanner, the police agency can capture a full set of prints or merely query the database through a Live ID procedure anywhere in the country.

When fingerprint evidence is used in a court proceeding, the Crossmatch solution provides the ability to print a fingerprint card based on the information gleaned from the livescan enrollment procedure. This also allows the police agency to share information with other government biometric holdings which are often in different formats.

CROSSMATCH - A TRUSTED PARTNER

As a trusted partner of the police agency, Crossmatch regularly engages with technical staff and end-users to refine the solution. As the agency's requirements evolved over the years, Crossmatch was there every step of the way to provide support in the form of software upgrades, hardware refreshes and technical support. In 2016, Crossmatch worked with the agency and their technical partner to upgrade and update all of the agency's biometric capture devices, providing greater accuracy through new technology which allows scanning of hard to read fingerprints. The agency and its technical partner continue to trust Crossmatch for all of their biometric technology needs.

ABOUT CROSSMATCH

Crossmatch helps organizations solve their identity management challenges through biometrics. Our enrollment and authentication solutions are trusted to create, validate and manage identities for a wide range of government, law enforcement, financial institution, retail and commercial applications. Our solutions are designed using proven biometric technologies, flexible enrollment and strong multi-factor authentication software, and deep industry expertise. We offer an experienced professional services capability to assess, design, implement and optimize our identity management solutions for a customer's individual challenges. Our products and solutions are utilized by over 200 million people in more than 80 countries.

Learn more at www.crossmatch.com.

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