Safer Cities in Practice

Redefining identity, enriching lifestyles

As citizens, we all dream of a world where our families are safe, our homes are secure, and our businesses are protected. At the root of creating a world without worry is transforming our cities to become safer, greener, more efficient, and more liveable.

Building "Safer Cities" requires key enabling technologies to promote information sharing and open communication among public safety agencies. Safety is best achieved by preventing crime and catching perpetrators.

The Power of Identity

The crux of the Safer Cities way of life is identity management. An individual's identity today means more than just a name or a face. Benefits, services, facilities and regions are intended for specific people. Identity provides access.

Brasilia solves 440 cases in 22 days

An NEC Automated Fingerprint Identification System (AFIS), deployed in Brasília, helped solve 440 cases in only 22 days. Productivity of IDs being issued increased by 39.49% with the new NEC AFIS, eliminating lines and complaints. Years of criminal and civil cases were solved within a few weeks.

Identification through biometrics, such as fingerprint, vein or facial recognition, is the fastest and most accurate measure to do so. Ultimately, Safer Cities focus on preventing crime without sacrificing service levels for citizens.

ePassports New Global Standard

Automatic Passenger Clearance Systems have received accolades for shortening wait times, enhancing the passage process, and ensuring the safety of all travellers. ID cards or passports with integrated biometric identifiers screen passengers automatically, introducing the age of self-service immigration clearance.

12 seconds in Singapore

Working with NEC, Singapore was one of the first countries to issue biometric passports. Immigration processing is now entirely automated taking less than 12 seconds per person.

30,000 served in Macau Everyday

Growing passenger traffic motivated Macau to install 147 NEC automatic gate entry systems. Today, 30,000 passengers can be processed daily with each passenger being processed in mere seconds, significantly reducing wait times.

Citizen Services with Smart ID

Fraud and identity theft is a growing problem worldwide. Proper identification is required to exercise rights and receive government services. Voting requires an ID proving citizenship. Access to public services necessitates valid identification. Biometric identification ensures that proper care is dispensed and rights granted – regardless of an individual's capacity to communicate.

150,000 smart ID cards in Lang Son, Vietnam

More than 150,000 NEC smart ID cards were issued as social security cards in the Lang Son province in Vietnam. These ID cards enable citizens to vote and to receive medical treatment, as well as store each person's medical history.

Working Together

With more identity information widely available, data analytics provide an unprecedented opportunity to link and understand huge volume of data from a wide range of sources.

Big data requires new standards of data analytics to realize actual benefits. Creating an information-sharing framework and fostering a culture of inter-agency collaboration enable public safety agencies to investigate, predict, respond, and prevent breaches in security.

Imagine a Simpler Life

Integrating multiple identifiers improves accuracy even more. By scanning both fingerprints and finger veins simultaneously, only the right people enjoy the privilege of access. Consider the idea of making purchases with just scanning a finger. No credit cards. No ID cards. No signature. It's possible with NEC biometric identification solutions.

Building Safer Cities

With a century long track record of technology and service excellence, NEC is one of the few companies that can deliver end-to-end integrated security solutions for public safety. More than 109,000 employees worldwide have helped build one of the world's largest IT/networking solution providers at US$37 billion.

Driven by its global vision to foster the well-being of communities, NEC is committed to facilitating worldwide collaboration. ∎

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1st place in accuracy

For nearly 40 years, NEC has been dedicated to developing the fastest, most accurate biometric technologies in the world. NEC achieved first place ranking in accuracy on the Proprietary Fingerprint Template Evaluations test conducted by the National Institute of Standards and Technology (NIST), commissioned by the U.S. Department of Homeland Security.*

More than 15 years of facial authentication R&D has helped NEC achieve top ranking in accuracy and speed in the NIST Multiple-Biometric Evaluation 2010 Still-Face Track testing.*

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