GOVERNMENT
CASE STUDY

Shanghai Social Security Card

LOCATION

Shanghai, People's Republic of China

OVERVIEW

Shanghai has over 13 million people. Its citizens must carry multiple identification (ID) cards to access bank accounts, medical care and welfare benefits.

The Chinese government is taking the lead in consolidating these cards and adding fingerprint authentication to provide security and convenience for their citizens.

NEEDS

The Chinese government wanted to consolidate ID cards used to verify access to bank accounts, medical care and welfare benefits. They needed a solution that would:

- Eliminate fraudulent claims
- Improve government efficiency
- Provide convenient access

DIGITALPERSONA PRODUCTS

DigitalPersona® Gold SDK
U.are.U® Fingerprint Reader

Security Challenge

Over 800 million people access banking, medical care or welfare benefits run by the Chinese government. It is imperative to correctly identify each citizen requesting access to these benefits.

Until now, the government issued separate identification (ID) cards for bank accounts, medical care and welfare benefits. These ID cards were often stolen or shared resulting in fraudulent access and claims.

DigitalPersona Solution

After evaluating many solutions, the Chinese government decided to implement DigitalPersona's fingerprint authentication technology on a single social security card to initially be used by the citizens of Shanghai.

Citizens register their finger on a DigitalPersona U.are.U Fingerprint Reader that creates a template, fingerprints are never stored. This template is stored in a database and on a social security card.

Each time someone attempts to access their bank account, obtain medical care or apply for welfare, the template on the card is checked against the template in the database before granting care or access.

Benefits

- **Stops Fraud** - prevents citizens from receiving benfits they are not eligible for, eliminates fraudulent claims.
- **Improves Efficiency** - productivity has increased because employees no longer process false claims.
- **Provides Convenient Access** - citizens only need to carry one card and touch a fingerprint reader to gain access or receive care.

The Results

The use of biometrics has been such a success in Shanghai that the government plans to register all Chinese citizens over the age of 18. By 2005, over 800 million citizens will have the new biometrically-enabled social security card to use with DigitalPersona's U.are.U Fingerprint Readers.

"The Chinese government wanted a solution that would be secure and convenient for their citizens," said John Che, Vice President at Z/K Software. "DigitalPersona's technology has provided this."

Fingerprint authentication has provided the Chinese government and citizens with a convenient solution that eliminates fraud and improves government efficiency.

"Government employees have increased productivity by eliminating the administrative work associated with processing fraudulent claims," said Che.

About DigitalPersona

DigitalPersona is the leading provider of biometric authentication solutions for enterprise networks, developers and consumer OEMs. Founded in 1996, the company designs, manufactures and sells flexible solutions that improve security and regulatory compliance while resolving password management problems. DigitalPersona's fingerprint readers utilize superior optical fingerprint scanning technology to more accurately authenticate users regardless of finger placement. The company's interoperable biometric software solutions uniquely support the industry's widest array of notebooks with fingerprint readers. DigitalPersona's award-winning technology is used worldwide by over 90 million people in the most diverse

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