

National ID Card Solution

On Track Innovations, established in 1990 in Israel, is a global leader in contactless smart card solutions for homeland security, payments, electronic passports, national IDs, petroleum payments and other applications. OTI's system provides advanced software for citizen information management, enrollment stations, registry and more.

OTI was selected by the federal government to develop a national ID-Card personal identification solution. This governmental ID-Card program requested a complete solution-suite including population registries, data processing and ID-Cards issuing.

Fingerprint classification, a critical step in the personal registration process, was a clear source of possible problems during enrollment steps because it was a manual process based on the expertise of each government agent involved in such services.

In addition, manual fingerprint classification can generate categorization errors and slow down the entire ID-Card enrollment. With automatic,

biometrics-based software pattern classification, the fingerprints will be classified in one of the six different possibilities: arch, left loop, right loop, scar, tended arch and whorl.

In order to achieve project goals, OTI's SmartID Division - system integration division with focus in the governmental/national ID arena evaluated

the need of transparent integration with OTI's platform, cost-effectiveness and its software reliability.

Databases of fingerprint cards for law enforcement and civil enrollment can easily grow to hundreds of millions records. Even for the fastest computers, search through this database can take an inordinate amount of time. Fortunately, fingerprints can be classified and this classification can be used to split the fingerprint databases. This classification is the traditional method of indexing and searching for fingerprint cards. Once a finger pattern is identified, this finger can be searched only against fingers with the same pattern classification, reducing the total time of search. Griaule's AFIS SDK, an particularly its pattern classification feature, can classify fingerprints into the above mentioned six basic pattern-level classes so the overall enrollment process will be fast, reliable and secure.

Resulting solution allowed the federal agency to provide faster and efficient ID-Card enrollment services for all citizens, meeting technical requests and achieving project goals.

Customer Quote:

"OTI is one of the World Top 50 ePassport technology suppliers and has received Company of the Year Frost and Sullivan Award, in Smart Cards, for years 2005 and 2006. Company standards require us to work with international Top partners and Griaule is recognized to have the best fingerprint software."

Igor Merling, Chief Scientist, Smart ID Division, OTI

available fingerprint classification software in the world market and selected Griaule's technology because

Needs

- High quality standards in the ID-Card enrollment services countrywide
- Creation of a personal fingerprint categorization data base
- Frauds risk elimination

Benefits

- Efficient and fast personal identification procedures
- Personal data secure access and control
- Errors and frauds elimination

About Griaule Biometrics

Griaule fingerprint recognition software is the powerful technology behind thousands of biometric transactions made daily all over the world.

Whether it's used for time attendance or criminal investigation, we have the solution for large and small scale organizations. We are providing the means for the future of widespread and daily use of biometrics.

www.griaulebiometrics.com