

Biometric Signature Authentication for Bank Leumi

Highlights

Client: Bank Leumi - one of the leading financial institutions in Israel

Product: Penflow signature solution + Static signature verification

Number of signature stations: 6,000

Number of end users: over 2 million customers

Background

Bank Leumi is one of the leading financial institutions in Israel, with offices in major economic centers around the world. In this era of digitized information there is an increasing need for secured and centralized solutions to manage document workflow and authentication. Furthermore, banks today spend huge sums of money on manpower, archives and paper work. For banks and many other financial institutions, biometric signature authentication provides the answer. Bank Leumi, like other financial institutions, is in need for a high security solution that is easy to implement and operate, trustworthy and reliable. WonderNet's advanced system holds the perfect solution. The system makes an automatic comparison of the customer signature with the existing database of signature profiles for a complete and high-level security.

The Challenge

In its drive to ensure secured transactions, Bank Leumi was searching for a complete solution, which will implement high level of transactions security, decrease check fraud for both private and business customers, decrease risk level and optimize the entire process of handling signatures and signatories. Bank Leumi was also searching for a way to decrease manpower expenses and its main challenge was to create a system that will communicate with the existing one, with minimum integration efforts. The bank's readiness to enter the information age and seek an automated validation system led to WonderNet's solution.

WonderNet's Solution

WonderNet's solution presents an intuitive and user friendly environment for signature handling. There is no need to changing habits or learning new application, as the system provides a very comfortable interface and feeling of security using the old and trustful hand-





written signature. Another benefit for customers is the reduced waiting time at counters, and the fact that in the near future they will be able to use a personal tablets or PDAs for remote

on-line transactions that are secured and authenticated by their handwritten signature. PIN codes or passwords that can be forgotten or breached will not be an obstacle for remote transactions.

Organization Benefits

WonderNets' solution brings an immediate return on investment by substantially slashing paper work costs, archiving and manpower, in addition to providing the infrastructure for expanded applications. WonderNets' web-based solution can be easily integrated with any existing workflow process in the bank and is very easy to implement. The system architecture is based on a layer-technology that allows easy changes in the entire structure according to emerging customers' needs. The bank employee's signatures can be also enrolled into the system in order to use them for internal approvals and document validation. As a result the organization enjoys a superior workflow transaction process.

Technology

Based on a highly sophisticated patented algorithm, *Penflow*TM offers a reliable and secure solution for signing documents and authenticating the identity via a handwritten signature. The technology dynamically learns the variations of each signature and by analyzing biometric parameters such as pressure, acceleration, speed, and rhythm, *it* creates a unique personal profile, which is updated and fine-tuned with the natural fluctuations that occur in each person's signature. WonderNet solutions comply with the standard international electronic legislation and supports PKI. The system is easy to use and requires no staff or customer training, nor any alteration in signing modes or habits.

