

Industry: Banking

Client: HSBC

Application: Biometric access control

Solution: smarti[®] Diadem a complete solution for access control based on facial recognition

Case Study

HSBC bank implements facial recognition for access control to their vault

The Customer



The world's local bank

Headquartered in London, HSBC is one of the largest banking and financial services organizations in the world. HSBC's international network comprises around 7,500 offices in 87 countries and territories in Europe, the Asia-Pacific region, the Americas, the Middle East and Africa.

With listings on the London, Hong Kong, New York, Paris and Bermuda stock exchanges, shares in HSBC Holdings plc are held by over 221,000 shareholders in 127 countries and territories. The shares are traded on the New York Stock Exchange in the form of American Depositary Receipts.

HSBC provides a comprehensive range of financial services to around 95 million customers through four customer groups and global businesses: Personal Financial Services (including consumer finance); Commercial

Banking; Global Banking and Markets; and Global Private Banking



The Solution

HSBC needed a new standalone facial recognition access control system for a vault in one of their EU branches. They wanted a system that could ensure entry to the vault was granted only when two authorized employees were present at the same time. To meet HSBC's challenging requirement the smarti[®] DIADEM unit was chosen. The unit can be set up so that multiple users must be recognized in the correct order and in a limited amount of time before access is granted.



Because of limited space we mounted the Diadem unit on the vault door itself. We connected the unit to the vault doors electronic locking mechanism in such a way that even if you remove the Diadem you cannot shortcut the connection to open the door.

The unit was setup so that it works in standalone mode. To open the vault door two authorized employees have to be present. They have to identify themselves in the correct order (one after the other) and in a limited amount of time on the diadem unit using facial recognition. After both employees are successfully identified by the Diadem unit and if the schedule permits it the vault door is automatically opened.

With the use of the **smarti**[®] system we fully met the banks requirements and an effective enforcement of security standards and recommendations was attained in the most reliable and economical way.

The use of facial recognition has proven itself to be very affective in achieving a higher security and reliability level with minimal additional costs.

The used solution prevents abuse; unauthorized and unsupervised access which is possible with more commonly used access solutions.