



## Tutis Biometric Logon

### Case Study – Leading National Financial Institution (BPO Division)

**Industry** – Banking and Financial Services and Insurance

**History** – One of the countries largest private banks with clients spread across the globe. It has one of the largest databases with sensitive client data. Large number of employees working in various departments and divisions access these databases through a complex system of network and access control.

**Requirements** – Robust and scalable security solution with an added functionality for time tracking and employee management. The organization wants to monitor its employees in the call center (BPO) division and extract their Log-in / Log-off records from the system and feed this data to a third application. The system should also be safe and secure against password thefts or external hacking.

**Existing System** – Stringent physical security policies. Memory devices, Mobile Fone, camera etc are not allowed in the premises. Computer system is protected by strict code of conduct

- Password protected access control within network and individual PCs
- Periodic password changes to ensure data safety
- Employee tracking and Log-in / Log-off data is obtained by physical entry at the premise gates and supervision
- Cumbersome access control system based on physical approvals in accordance with the organizational heirarchy

However, the existing system had several security lapses and was not fool proof

- Physical logs could easily be tampered with
- Large difference in 'entry-exit' time and the 'actual-working' hours
- Manual feeding of log records into third application software
- Password and identity theft was possible by internal / external officers
- External hacking of the computer / system was possible
- Exchange of password within colleagues in emergency situations
- Encryption of confidential data was not based on fingerprint authentication



**Security Enhanced By Tutis Biometric Logon** – Tutis helped the agency discover and redefine their security system for data protection.

- Fingerprint Based Server protection for predefined conditional access to sensitive data
- Employee / Officer movement can be traced with the help of event log for login and log-out
- Data Encryption by officers can be viewed later on only by themselves after verification of their fingerprint.

**Customization** – Tutis Biometric Logon was successfully deployed across locations with the desired interoperability for data extraction. The Log-in / Log-off records can be extracted from the software and used for a separate utility application.

**Benefits –**

- Agency can ensure its data is fully protected, both from external threats as well as leakage within the organization.
- Easy to extract Log records for using it in a separate utility software.
- Simplified process to define conditional access to officers