Password management on the highest security level with BioSec's BLogin technology

The Client:

- EU Country's government office
- 1000 users
- 500 PCs

The Challenge:

- Active Directory compatibility
- Replacing password based logical access control on 500 PCs for 1000 users

Main benefits of using BioSec's BLogin technology:

- Higher security level and higher efficiency
- Decreased administration burden for the IT staff
- Convenient solution for the user with replacing passwords

Main parts of the system:

PS Mouse

PS Guide

PS Guide Kit

The Client:

An EU country's government office launched an IT modernisation project in 2015. Within the framework of the program, a decision was made to replace password based Windows login with a reliable and high security logical access control solution.

The Situation:

Before the introduction of BLogin, a strict password policy was used, which often led to forgotten passwords, locked out accounts and a continuous workload for the IT. As part of the modernization project, a biometric logical access control solution was chosen to raise the security level and avoid user related mistakes.

The Solution:

For the biometric logical access control solution, the BLogin system was installed, where right management is done by Active Directory and authentication is managed by BioSec's BLogin solution. Using the BioSec system, unsecure passwords are replaced by a biometric authentication solution, without the need for any external authentication device, which can be lost or stolen (e.g. smartcard). BLogin provides a fast (~1 second) authentication time and an accurate logical access solution for the one thousand users at five hundred PCs at the government office. The palm vein recognition solution ensures the highest security level for Windows login, where the AD passwords are changed each time the user accesses the system, with a random 127 characters long password. In order to completely minimize the risks of password handling, workstations can be only accessed via biometrics.

The Benefits:

BLogin provides a convenient solution, where users do not have to remember long passwords, which must be changed continuously. Using BioSec's BLogin technology, the IT staff is exempted from unnecessary tasks, including password management related difficulties. BLogin is a cost effective solution, as only minimal hardware infrastructure is needed for the system.

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