

health insurance system styrian regional biometric physical access control system and fingerprint-based PC identification system

To improve its corporate security, the Regional Health Insurance System of Styria (Steiermärkische Gebietskrankenkasse) needed to take action. It wanted to protect access to its IT facilities and workplace systems with an employee identification system. After a thorough analysis, the company decided to install a biometric fingerprint-based system. After an open request for proposals, Worldline was selected as the general contractor for the first subproject. Together with Worldline the company successfully completed this subproject for ten doors and 1,100 workplace systems with an approach based on a combination of ID Center and SiPass solutions. Six months after winning the contract in July 2004, Biometrics Center was able to turn over the results to the Health Insurance System of Styria. The system is in operation since that point in time.



The project

The project's goal was to provide a unique identification and authentication system for physical and electronic access to the Health Insurance System's IT facilities. In a preliminary analysis, a biometric system was identified as the most efficient method: it meets the security requirements to a high degree and is cost-effective and easy to use. A password reset due to forgotten password by a help desk employee costs the company 40-130€ on average not including the lost working time.

Traditionally, user IDs and passwords have been used to protect access to IT system resources, applications and data. Growing demands on the effectiveness of access control require frequent changes of passwords and the use of complex passwords that are hard to remember. This is why Biometrics Center has installed a solution for biometric authentication:

- Secured IT access using ID Center
- Fingerprint technology to ensure secure authentication of authorized users
- Integration of various applications using the Citrix Password Manager
- 1,100 licenses for biometric authentication of employees at Windows computers

The project included

- Identification systems for ten doors within the facility with connection components to the building's data network (Ethernet, Cat5)
- Identification systems for 1,100 PCs with Worldline ID Mouse devices, a PC mouse with an integrated fingerprint reader
- Software for user administration and enrollment of employee's fingerprint reference data
- Installation of sensors and actuators
- Software installation
- Setup and training

The comfortable and secure way to login

„Worldline has the necessary experience and expertise for this state-of-the-art employee identification solution. The system's success has validated our decision in favor of ID Center.”

Dipl.-Ing. Wilfried Wulz
Project Manager of the Regional Health Insurance System

The challenge

Increase corporate security by identifying and authenticating persons who have physical access to the IT facilities and electronic access to the data processing systems. Integrating the biometric authentication system ID Center with SiPass protecting both, the rooms and the workplace systems.

Benefits for the Regional Health Insurance System of Styria

Improved corporate security through unambiguous identification and authentication. Elimination of security risks such as password spying and forwarding of passwords. Lower costs through lower failure rates and less administrative requirements. The personal data for both physical and electronic access is managed jointly and centrally. There are no more Passwords to forget.

Benefits for employees

More security and ease of use. Passwords can no longer be found out through spying. No more cumbersome typing of numeric codes and passwords a fingertip is all that's required.

The solution

Data exchange between the physical access solution SiPass by Siemens Industries and ID Center. The solution concept is based on a link between the central administration of biometric data (ID Center) and the access control system (SiPass).

The combination of these two systems, each of which is an ideal solution for its respective application, provides the added benefit that each person needs to register only once. The biometric data is recorded initially in ID Center, converted to a biometric reference pattern and assigned to the user account. After the enrollment, the login process for the defined applications works via the biometric sensor, such as the ID Mouse. By linking ID Center with SiPass, the fingerprint reference data is transmitted to the door readers. When an authorized user places his finger on the sensor, the system unlocks the door and grants access.

The combination of the two systems reduces administrative effort (granting or revoking authorizations, etc.) since everything needs to be done only once. The solution improves the company's basic security. The employees benefit mainly from the system's simplicity and ease of use. It is no longer necessary to remember large numbers of different and constantly changing passwords, and no more problems and inconvenience are caused by the loss of a chip card. Personal security improves as well, since threats resulting from stolen passwords or chip cards are eliminated.

Our services

- Planning
- Provision
- Assembly (partial)
- Installation
- Setup
- Training



About Worldline

Worldline [Euronext:WLN] is the European leader and a global player in the payments and transactional services industry. Worldline delivers new-generation services, enabling its customers to offer smooth and innovative solutions to the end consumer. Key actor for B2B2C industries, with 40 years of experience, Worldline supports and contributes to the success of all businesses and administrative services in a perpetually evolving market. Worldline offers a unique and flexible business model built around a global and growing portfolio, thus enabling end-to-end support. Worldline activities are organised around three axes: Merchant Services & Terminals, Mobility & e-Transactional Services, Financial Processing Services & Software Licensing. Worldline employs more than 7,200 people worldwide and generated 1.12 billion euros revenues (pro forma) in 2013. Worldline is an Atos company.

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