ICE

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Walter Fabbri Junior
IT Infrastructure Coordinator
ICE Special Cards

ICE installs an access control system with a palm vein sensor, FUJITSU PalmSecure, to increase the security of critical access points.

At a glance
Country: Brazil
Sector: Information technology and services
Founded: 1996
Website: icecards.com.br

The challenge
ICE needed a practical and efficient solution that guaranteed security when accessing the data center where sensitive information is stored. The existing security level in the company complies with the best practices imposed by the international Information Security standards, to which ICE is certified.

The solution
The FUJITSU PalmSecure palm vein reader offers the highest level of security available on the market. The terminal, installed by Telemática, is practical, discreet, faster, and more effective than the other access-control systems used by ICE in low security areas.

Benefits
- Greater security for restricted environments
- Simple user registration
- Faster than other biometric access control systems
- Effective employee authentication
- More hygienic biometric reading process

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The customer

Operating in the secure production market for more than 20 years, ICE started out in the manufacture and logistical distribution of inductive cards. ICE currently has contracts in the public and private sectors, covering the production and personalization of security printouts, document scanning, production, the distribution of vehicle badges and car license plates, the implementation and operation of biometric identification and validation systems, and traceability and complete solutions for the control and monitoring of vehicle inspections, among others.

Products and Services

- 2 x FUJITSU PalmSecure sensors

The challenge

As a provider of security printouts and intelligent cards, ICE directly supplies services to government bodies such as Detran in eight Brazilian states. ICE collects biometric data (photo, signature and fingerprint) in relation to the issuing of the National Qualification Card - CNH.

"We have extremely confidential data. Due to this, to increase the business's security, ICE implemented the ISO 27001 standard for information security. This standard has some requirements, one of which is access control," says Walter Fabbri Junior, IT Infrastructure Coordinator, ICE Special Cards.

The company already has security measures and other systems to control access to its installations. Until then, data center entry control took place using a barcode card, but there was a risk of identity fraud. Within ICE there are other less sensitive spaces that still use fingerprint biometrics, but the reader often fails.

The manager researched the market, looking for solutions that offered greater security and efficiency. Options such as voice and iris recognition had the problem of not being easily accessible in Brazil. The solution came from Telemática Intelligent Systems, the company that installed the access control system at ICE, with it suggesting the FUJITSU PalmSecure palm vein reader. "It was a solution that we liked and which was accessible because Telemática, which is our partner, supplied it," said Fabbri Junior.

The solution

FUJITSU PalmSecure is a biometric access system that authenticates the identity of the user by reading veins in the palm of their hand. The sensor allows people to be identified by scanning the map of veins in the hand via infra-red rays. Vein layout is unique and personal, which makes fraudulent use almost impossible.

The solution was installed at ICE in the form of a terminal called Codin Vena, which was developed by Telemática. The FUJITSU PalmSecure fits into a stainless-steel box, which was fitted close to the door and connected to the lock that allows access to the data center. As well as its modern appearance, the compact size of the Telemática solution differentiated itself from the competition by not needing the palm sensor to be connected to an external computer.

The veins in the palm are recorded internally within ICE via an additional FUJITSU PalmSecure sensor that is connected to a PC's USB port and the security system. The sensor is activated by a proximity card which confirms the employee's identity.

Authentication takes place without physical contact, something that attracted ICE's technology infrastructure manager due to hygiene and efficiency issues. Furthermore, the fingerprint readers used by ICE fail frequently. "The palm of the hand does not fail, you just to have to walk past the sensor and it reads it, regardless of whether the hand is clean or not," says Fabbri Junior. The reader's speed is also greater than the other access systems used by ICE, he adds.

The benefits

Implementation of the FUJITSU PalmSecure sensor at ICE increases access security to the data center, which now has two levels of authentication. When working with public bodies, requirements often involve high-security standards. In many cases, the organization undertakes audits to guarantee that data is secure and that access is controlled and restricted.

"With this security control, we are more compliant with ISO 27001. The level of access control I have is excellent. When I have an audit and I show the system to the auditor he does not have any questions," says Fabbri Junior.

In industry, the palm vein reader is considered one of the most secure access systems available. By implementing the FUJITSU PalmSecure, ICE offers a level of security as high as, or higher than, its competitors.

As well as the positive impact on business, the equipment impresses existing and potential customers when they visit the company's premises, being that they sell advanced technology services and solutions. "When the customer comes to visit us, we show them the data center and the palm vein reader in action. It's like the icing on the cake," concludes Fabbri Junior.

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