



Contactless and hygienic with 100 percent recognition rate

Due to the growing security requirements in the field of banking, Amrehn went looking for an extremely secure technology with a high recognition rate in further developing its biometric identification solution. With the PalmSecure palm vein scanner, the banking specialist achieves a usability of as much as 100 percent, while also increasing user comfort and improving hygiene.

The customer

Headquartered in Waldbüttelbrunn, Bavaria, Amrehn Sicherheit & Technologie GmbH is a security service provider specializing in compliance with the German accident prevention regulations for banks (UVV-Kassen), access, cash processes and security technology. For approximately 15 years, the company has also operated the proprietary BioPortA solution, a modular user system for access management and ensuring compliance with UVV-Kassen in banks and savings institutions.



Industry: **Security**
technology



Country: **Germany**



Employees: **20**



Website: **amrehn-st.de**

The challenge

Amrehn wanted to find a secure technology with a high recognition rate for its biometric identification system.

The solution

- Biometric sensor technology
FUJITSU PalmSecure

"With FUJITSU PalmSecure, we continue to develop our security portfolio flexibly and with a view toward the future."

Markus Amrehn, Managing Director, Amrehn Sicherheit & Technologie GmbH



100 percent

The recognition rate that Amrehn achieves with the new BioPortA generation

"We needed to take it just a tiny bit further"

Amrehn has been operating the BioPortA user system for around 15 years. However, growing requirements mean it has to be continuously optimized. "Before changing technologies, our identification solutions for banks and savings institutions relied on fingerprint systems," says Managing Director Markus Amrehn. "However, we were pushing usability to its limits and were unable to exceed 98 percent. We needed to take it just a tiny bit further."

A usage rate of 98 percent may seem like a lot, but it can be problematic in the strictly regulated banking environment. After all, when it comes to deposits and withdrawals, branch employees must be clearly identified via a biometric system. "BioPortA controls all monetary processes, including identification," explains Amrehn. Over the years, our customers had certain employees who could not use a fingerprint system because their skin texture had changed, and so they were unable to perform their duties in customer service. A new ID technology was needed, one that would cover all employees of banks and savings institutes.

A longstanding partnership, quality and close collaboration

To increase the usage rate, Amrehn decided to go with palm vein scanning to identify branch employees. Unlike fingerprint scanners, these systems work independently of the skin's surface. It uses near infrared to detect the palm vein pattern that is unique to each person. The contactless technology is also user-friendly, hygienic and secure. "We have worked closely together with Fujitsu since the mid-1990s. The previous BioPortA generation was also largely based on Fujitsu hardware," Amrehn adds. "We decided to go with FUJITSU PalmSecure because it is not a finished product but rather a sensor technology that we can integrate flexibly into our own solution."

User-friendliness is particularly important if people are to accept and use biometric authentication systems. "The housing must be designed, for example, so that users intuitively see how they are to position their hands. Fujitsu worked closely with us and provided the necessary technical data at an early stage," Amrehn says. "Once again the Fujitsu team demonstrated their high commitment to service quality, especially where support is concerned."

High usage rate meets easy handling

BioPortA with FUJITSU PalmSecure has been available for three years now. The solution is currently in use at 30 banks and savings institutions, including Sparkasse Mainfranken Würzburg, Sparkasse Schweinfurt-Haßberge, Bankhaus Max Flessa and Münchner Bank, along with their branches. "The customer feedback has been outstanding. The solution is easy to handle, fast, stable and secure," Amrehn concludes. "But the most important thing for us is that we have achieved a usage rate of 100 percent with FUJITSU PalmSecure. Apart from delivering fast and reliable customer service for bank customers, we thus also ensure that employees can continue to work in all departments."