



Case Study: Computer ID

Company profile

- ◆ Established in 1999 in São Paulo, Brazil, Computer ID has quickly grown to become one of the country's leading providers of biometric products and solutions for government, public and private sector companies.
- ◆ Computer ID offers a variety of biometric solutions for access control, time and attendance, healthcare insurance applications and general identification purposes.
- ◆ Company consultants work closely with customers to develop, install and maintain biometric systems that meet each customer's unique needs.

When Computer ID wanted to offer customers more secure 1:many authentication, VeriFinger hit the mark.

Computer ID has built a reputation for both quality and service, delivering solutions that meet each customer's unique needs. While the most common biometric fingerprint systems perform only 1:1 matching for verification of a person's identity, a number of Computer ID's customers required more robust, secure authentication systems that could perform 1:N (one-to-many) recognition of a person's identity, matching against large databases of enrolled fingerprints.

In 2000, Computer ID began searching for a powerful algorithm which would enable them to build systems that could perform both 1:1 and 1:N matching and which would be scaleable enough to use with both small and large fingerprint databases.

Computer ID chose VeriFinger from Neurotechnologija.

"We wanted to ensure our customers that the biometric fingerprint solutions we provided would meet the level of accuracy and security they required," said Evandro Schultz, director of Computer ID. "VeriFinger met our needs perfectly, and we continue to use the VeriFinger algorithm in our products because it provides the combination of speed and accuracy that enables us to guarantee our customers a high level of security."

VeriFinger SDK helps Computer ID build software and build their business.

Computer ID has realized a number of significant business benefits from using the VeriFinger Software Development Kit (SDK) to develop their biometric solutions. Schultz cites three primary reasons why VeriFinger has helped them build a strong business and reputation for quality, including:

1. **Accuracy and speed of the VeriFinger algorithm** – the quick response time of the VeriFinger algorithm in identifying a user enables Computer ID's solutions to be effectively deployed in a wide variety of environments with small to large fingerprint databases,
2. **Low cost** enables them to remain competitive in a growing market, and
3. **Efficient technical support from the Neurotechnologija team** ensures a smooth development process using the VeriFinger SDK.

Around 90% of Computer ID's customers are using fingerprint identification and the number is growing quickly. Schultz believes that 100% of their customers will be using biometric fingerprint capabilities by the end of 2007 and cites the security and accuracy of authentication as the main reason they are migrating to this technology.

"VeriFinger has been a very good marketing tool for us in convincing our customers to use our solutions," Schultz added. "It enables us to offer them the most secure, up-to-date biometric technology at a competitive price."

VeriFinger powers Computer ID's top-selling solutions.

The VeriFinger algorithm is the fingerprint identification engine for three of Computer ID's top selling products, TouchAccess, TouchID and RobotID. VeriFinger provides 1:1 and 1:N matching capabilities with the convenience of speedy identification in one second or less. Because VeriFinger gives developers complete control over the input and output, Computer ID can easily integrate the biometric fingerprint identification capabilities in these products with their customers' legacy systems.

TouchAccess is a complete access control solution that offers customers the speed, convenience, security and cost-effectiveness of fingerprint identification in a solution that can be customized to integrate with existing access control systems.

TouchID is Computer ID's time clock control system, which registers the user's presence with a simple touch-in fingerprint scanner. Touch ID helps eliminate time card fraud by ensuring that the user's identity is verified, with time-in and time-out recorded in a database. This data can be reported and archived and integrated with payroll systems.

RobotID is a basic identification system that captures a fingerprint, performs identification using a specified database and shows the identified person's name or other data on the screen. The application also is able to export data that can be processed by other applications.

About VeriFinger

The VeriFinger fingerprint identification algorithm from Neurotechnologija is designed for use by biometric system integrators and provides the capabilities of the most powerful fingerprint recognition algorithms at a highly competitive price.

VeriFinger's fingerprint matching has been proven to be one of the fastest and most reliable among competing identification algorithms in some of the industry's most rigorous competitions.* By combining a commonly accepted fingerprint identification scheme with Neurotechnologija's proprietary algorithmic solutions that enhance system performance and reliability, the VeriFinger algorithm provides fast, reliable matching of specific fingerprint minutiae points for both one-to-one and one-to-many matching.

VeriFinger SDK enables the rapid development and integration of biometric applications by giving integrators complete control over the SDK data input and output. As one of the most widely compatible fingerprint identification and matching SDKs in the industry, VeriFinger SDK can be used with any scanner, any database and any user interface and on Microsoft Windows, Macintosh and Linux operating systems.

** Neurotechnologija ranked among the top five companies for accuracy in single-finger tests in the National Institute of Standards & Technology (NIST)'s Fingerprint Vendor Technology Evaluation for the US Department of Justice; and the company's algorithms have consistently won gold, silver and bronze medals in International Fingerprint Verification Competitions (FVC2004, FVC2002 and FVC2000).*

For more information:

For more information about VeriFinger pricing, product capabilities and specifications as well as other products from Neurotechnologija, go to: www.neurotechnologija.com.

For more information about Computer ID, go to: www.computerid.com.br

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