



CASE STUDY



Shanghai Automotive Brake Systems Co., Ltd. Anti-Lock Brake Systems Manufacturer Grants Employees Remote Access to Critical Systems Via VeriSign® Unified Authentication

Shanghai Automotive Brake Systems Co., Ltd. (SABS) is a 50/50 joint-venture co-invested by Shanghai Automotive Industry Corporation (SAIC) and German-based Continental Teves AG & Co., with a total investment of \$130 million. Established in July 1995, the company is located in the Jiading Industrial Development Zone, northwest of Shanghai with over 900 employees. SABS is the first company in China to import advanced technology to enable production of brake calipers, anti-lock brake systems, master cylinders/boosters and wheel-cylinders. Its anti-lock brake systems (ABS) were listed as one of the top national projects during the “10th Five-Year Plan” period (2001-2005) in China.

+ Providing System Access While Traveling

With a focus on safeguarding the value that its advanced technology has created for SABS, the company maintained a strict computing security environment, to which only permitted and validated on-site employees may be granted access. However, it became apparent that staff on business trips or on vacation, needed to be able to access the company intranet to reach critical systems, and the existing security infrastructure did not support such user profile.



Shanghai Automotive Brake Systems Co., Ltd.

SOLUTION SUMMARY

Staff on business trips or vacation needed remote access to Shanghai Automotive Brake Systems Co., Ltd. (SABS)'s critical applications—an activity not permitted by the existing security system. SABS chose to implement VeriSign® Unified Authentication and today, many employees have been given one-time password (OTP) tokens and can access SABS's SAP R/3 enterprise resource planning system, as well as the company's intranet when they are away from the office.

Industry

- Automotive

Challenges

- Traveling staff needed secure remote access to the company's intranet and critical ERP systems.

Solution

- VeriSign® Unified Authentication

Results

- Employees enjoy remote access and find VeriSign® Unified Authentication easy to use.
- Offsite logistics department members are more swiftly able to resolve urgent issues.
- VeriSign's solution is compatible with SABS's existing security policies and procedures.
- VeriSign® Unified Authentication is cost effective and has minimal impact on SABS's existing systems—imposing only a nominal amount of incremental network traffic.

SABS primarily wanted a solution for off-site users that would satisfy or exceed current company security standards. In addition, SABS required the new remote-access solution to be affordable with reasonable maintenance costs, have a minimal impact on SABS's existing systems—imposing only a small amount of incremental network traffic—and be easy to use for its traveling employees.

+ Supporting Strong Authentication for Remote Users

The company's security experts evaluated a number of solutions including VeriSign® Unified Authentication. Some vendors' offerings were found to be highly complex and a poor match to SABS's existing security solutions. VeriSign® Unified Authentication stood out for being compatible, as well as user-friendly, easy to define and manage, affordable, and quick to implement.

Behind VeriSign® Unified Authentication, VeriSign operates a highly available and secure infrastructure that enables organizations to leverage VeriSign's authentication services without the effort or expense of building their own solutions. One-time password (OTP) generators support strong authentication for users who connect from outside secure networks, often using their own equipment. By providing a token, smart card, or other OTP generation tool to users on the go, enterprise IT departments such as SABS' have more options to control access to the VPN, intranet, and secure applications.

SABS did not want to build and house its own authentication engine; consequently VeriSign's hosted service was an attractive option. The company's security experts also liked VeriSign for its respected name in the security environment and its reputation, and as a result SABS chose to implement VeriSign® Unified Authentication.

The deployment of VeriSign® Unified Authentication incorporated compatibility testing with the company's existing firewall from Checkpoint Systems, Inc. SABS staff were pleased with VeriSign's responsiveness and quick resolution of issues and questions that arose during the implementation.

+ SABS Employees Can Be More Responsive

Today, many employees have been given OTP tokens and can access SABS's enterprise resource planning system, SAP R/3, as well as the company intranet when they are away from the office. These users have found VeriSign® Unified Authentication to be easy to use. Members of the logistics department that have been granted VeriSign-enabled remote access have enjoyed being able to deal with urgent situations immediately, instead of having to wait to gain system access back in the office. With this level of success in hand, the company's security experts now plan to roll out remote access to more employees in more departments.

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