



USE CASE | MULTINATIONAL CORPORATION

KSI + bioLock™ offers transnational corporations SAP® access and function control, data protection, and accountability

CHALLENGE > Protect data within SAP®

A transnational auto manufacturer has suffered unauthorized access into several SAP® modules by a disgruntled employee. Trade secrets and intellectual property associated with an autonomous vehicle prototype have been passed to a competitor as a result. As lawsuits and unwanted publicity ensue, the data breach has had a devastating impact on the corporation, its subsidiaries, its operations, and the bottom line of its investors.

Knowing the organization can ill afford another breach of this nature – and that not just one but several modules were compromised – leadership has issued a

directive to implement state-of-the-art technology to secure every aspect of SAP®. The company recognizes the need for a solution that uses the latest hardware and software, while offering the flexibility needed to accommodate all SAP® modules currently in use. Of critical importance is

finding a solution that requires minimal training and doesn't hamper productivity of the corporation's global workforce. A security system that documents and prevents attempted unauthorized access predictive of fraudulent activity is also essential.

The criminality of one individual has hurt the corporation's shareholders and reputation. Implementing security that protects SAP® logon and SAP® functions within every module being utilized throughout the organization is now imperative.

SOLUTION > KSI biometrics + bioLock software

Careful research conducted by the corporation's IT team members has yielded the answer for protection against insider threats and fraud. KSI keyboards with integrated biometrics, used in conjunction with bioLock software and

Key features and benefits of the KSI + bioLock biometric solution

- Prevents breaches, insider fraud, and theft
- Stops unauthorized access and step-up's
- Applicable to all SAP® modules
- Top quality, no-fail biometric hardware
- Certified by SAP® > the only SAP®-certified biometric solution
- Leverages Windows Hello and the Biometric Framework
- Resides within SAP® and cannot be circumvented
- Protects SAP® functions with biometric reauthentication
- Provides granular control of checkpoints within SAP®
- Secures high risk, high consequence areas in SAP®
- Eliminates the dangers of password sharing
- Secures shared workstations
- Supports GDPR, SOX, POPI and other privacy laws
- Requires zero user training
- Creates an audit trail of access and attempted access
- Links any SAP® transaction to biometric authentication
- Fully customizable in targeting specific SAP® functions
- Strong and measurable return on investment

Windows Hello, are the perfect, time-tested, and SAP®-certified vehicles for achieving the high level of security and documentation required to meet the needs of the corporation. The integrated solution addresses authentication of users, accountability, traceability, auditability, fraud and theft protection, and compliance with privacy laws. The KSI + bioLock solution requires no special training and will help the organization and its subsidiaries avoid future, costly breaches. Performed by in-house IT, installation and user enrollment is straightforward.



Encrypted biometric authentication and reauthentication restricts access to SAP® transactions and data

SECURE SAP LOGON AND FUNCTION REAUTHENTICATION

DESKTOP LOGON >

Users log in using the KSI-1700 FFFB keyboard with integrated biometric fingerprint reader and Windows Hello.



SAP® LOGON >

Access to the SAP® platform is controlled by KSI biometrics and bioLock software hard coded within SAP® ABAP programming language.



REAUTHENTICATION >

bioLock prompts users to reauthenticate, using KSI biometrics, throughout the day to execute protected SAP® functions. Denied requests prompt instant email alerts.



With KSI + bioLock, all user activity is recorded for a clear audit trail

KSI + bioLock provides the best SAP-certified biometric solution

LOGON SECURITY > The KSI + bioLock team met the corporation's first objective of two-factor desktop logon with specification of the SAP®-certified KSI-1700 FFFB keyboard – authenticating the user with an integrated HID Crossmatch™ 500 dpi fingerprint reader and Windows Hello. Access to the SAP® platform was then secured using bioLock and KSI keyboard biometrics. KSI + bioLock eliminated the need for passwords that can be shared, stolen, or hacked.

TRANSACTION SECURITY > Within bioLock, IT staff configured threshold field values to trigger biometric reauthentication for specific SAP® functions considered to offer risk. Any attempt to access unauthorized functions instantly prompted a silent email alert from bioLock to designated activity monitors. Using KSI + bioLock reauthentication, unauthorized access to all SAP® transactions deemed vulnerable to breaches and fraud was prevented with every SAP® module used by the corporation.

PRODUCTIVITY > KSI + bioLock offered a seamless solution that enhanced workforce productivity. Without need for passwords, tokens, or smart cards, workflow became more efficient. The KSI-1700 FFFB's low-profile keys allowed speedier input than a traditional keyboard. bioLock's ability to replace SAP's Digital Signature saved time for employees, who could now rely on a secure biometric process to reduce the original procedure from 10+ to just 1 second.

COMPLIANCE > KSI + bioLock supported the quest for GDPR compliance. The solution protected customer data using strong two-factor authentication, and reauthentication, to verify the credentials of users and secure every SAP® function that exposed the corporation to data loss, insider breach, or fraud. bioLock provided a documented audit trail that could be used by internal and external system auditors. The organization was now at reduced risk for breach or incurring privacy law fines.



KSI + bioLock presents the best security solution for all SAP modules

> HR, PP, MM, FSCM, SD, PS, FICO, PM, QM <



bioLock



www.ksikeyboards.com

14494 Wicks Boulevard
San Leandro, CA 94577
(510) 562-5000
sales@ksikeyboards.com



www.biolock.us

1101 Channelside Drive
Tampa, FL 33602
(813) 283-0700
info@biolock.us