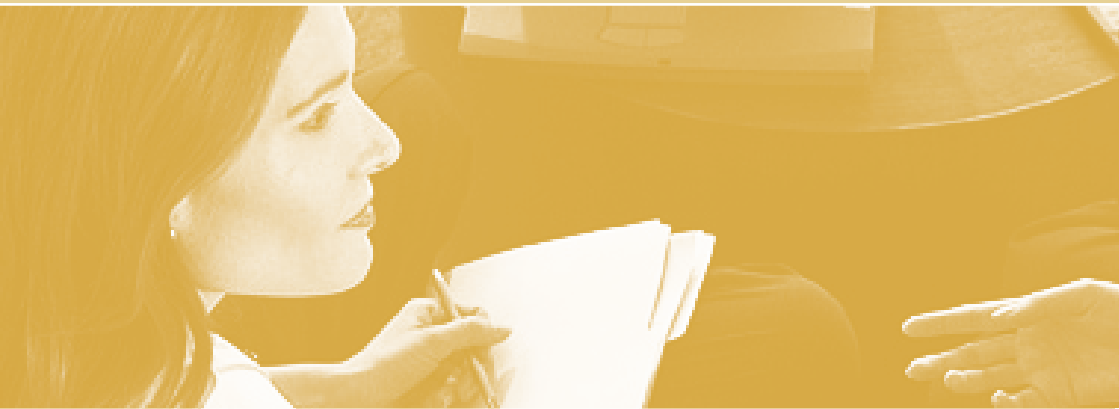


# Customer Evidence

October 2007





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## Welcome to our Customer Evidence 2007 booklet

**At WISEKey, we develop technologies that ensure companies can engage in secure electronic communications and transactions. Our solutions help to identify and authenticate people, organisations and devices accessing IT networks and the internet.**

WISEKey has formed many strategic partnerships with global technology leaders such as Microsoft and Hewlett Packard. These relationships support our solutions and help make them affordable and accessible to any business. As a result, WISEKey is one of the industry's most trusted providers of identity management solutions.

This booklet examines some recent projects that demonstrate how WISEKey technology is protecting the interests of some of the world's leading businesses.

**Carlos Moreira**

Chief Executive Officer, WISEKey



**Customer**

Leading international bank

**Industry**

Finance

**Country/Region**

Netherlands

**Product/Services**

- WISEKey CertifyID Guardian XM

## Top international bank secures information transactions with business partners

**This customer is ranked among the world's top international banks. It focuses on mid-market consumer and commercial clients in local markets, multi-national corporations, and the private sector. The bank's principal customer segments include personal, private, business and commercial, and corporate and institutional banking.**

### Business challenge

A public key infrastructure (PKI) in place at the bank enables it to do business electronically with partners and clients without risking the integrity of highly sensitive information. To support this system, the organisation was looking to safeguard its certification authority (CA) certificates – which verify the credentials of a party within the PKI – in the unlikely event of a system failure.

### Solution

Security architects at the bank examined the market before choosing the CertifyID Guardian XM product by internet security specialist WISEKey. The software module, which is part of the CertifyID global solution for Certificate Management Services, works with Microsoft® Windows® Server operating systems. It delivers data persistence and disaster recovery services for CAs by storing all certificates and related information in a Microsoft SQL Server™ database. This can be mirrored or replicated at an offsite location to provide effective disaster recovery.

### Benefits

- Certificates can be recovered in the event of a system failure.
- The solution integrates seamlessly with Windows-based PKIs.
- The technology is cost-effective and easy to administer.
- WISEKey offers pre- and post-sales technical support and advice.

# Retailer secures financial data with hosted certification authority

**Based in Europe, this privately-held retail group sells furniture and home-ware both online and through hundreds of stores in many different countries.**

## Business challenge

The financial division of this major international retailer needed to use digital certificates to secure the data held within its internal financial system and information shared by email. The organisation wanted to implement a dedicated certification authority (CA) to verify user identities and issue certificates without having to allocate in-house resources to manage these functions.

## Solution

The group enlisted the help of global internet security specialist WISeKey on the strength of its expertise in certification and public key infrastructure applications. WISeKey reviewed the design of the retailer's financial system and customised a dedicated CertifyID CA to internal policies. WISeKey now manages the CA and issues certificates for the group.

## Benefits

- The organisation's business-critical information and data is more secure.
- WISeKey deployed the solution cost-effectively with little disruption to business processes.
- The retailer doesn't need to employ and train a team to manage the system internally.
- The group has reduced technical support costs.
- The customer can now opt to transfer the hosted infrastructure to its in-house IT departments.

## Customer

International retailer

## Industry

Retail

## Country/Region

Switzerland, Sweden, Belgium

## Product/Services

- Dedicated certification authority, hosted by WISeKey



**Customer**

Alinghi  
www.alinghi.com

**Industry**

Sport

**Country/Region**

Switzerland

**Product/Services**

- WISEKey Advanced Digital Certificates
- WISEKey PKI Managed Services
- WISEKey Smart Cards and Readers
- WISEKey Authentication Bureau Services

*"As a team we need to share and access confidential information such as design data and, clearly, security is paramount in our campaign to win the America's Cup again. Our partnership with WISEKey will ensure that we have the optimum protection."*

**Grant Simmer**

Managing Director, Alinghi

## America's Cup winner protects boat designs with ID solution

**Alinghi is the name of the yachting syndicate set up by the Société Nautique de Genève and businessman and yachtsman Ernesto Bertarelli to challenge for the America's Cup. Alinghi won the 32nd America's Cup in 2007, and is the first team to bring it back to Europe after more than 150 years.**

**Business challenge**

Alinghi's vision for the 33rd America's Cup is to create an exciting new class of boats. But data protection is critical for Alinghi to prevent vital information, such as cutting-edge boat designs, getting into the wrong hands in the lead up to these events. As a high-profile organisation, Alinghi needed identity controls to support its members by protecting their security and that of the organisation's key assets.

**Solution**

Alinghi worked with electronic security company WISEKey to design and deploy an innovative data security solution. This included a secure identification card with a photograph for members, and a personal password and computer chip that provide secure physical access to the team's camp and limit access to sensitive areas of the Alinghi website and database.

**Benefits**

- Alinghi members can work together and share electronic information securely over the internet.
- The solution offers strong cryptographic proof of identity to prevent fraud.
- Advanced digital IDs can be issued to each team member cost effectively.

# Seychelles department establishes trusted identity infrastructure

**The Republic of Seychelles is a nation of 155 islands in the Indian Ocean, located 1,500 km east of mainland Africa. The Seychelles Department of Information Technology and Communications is responsible for regulating the country's telecommunications industry and providing access to advanced communications services that meet the needs of the Seychelles government.**

## Business challenge

The Seychelles government wanted to issue trusted certificates for its users to ensure effective digital identity management within the organisation. The government decided to implement an affordable public key infrastructure (PKI). The Department of Information Technology and Communications also required the PKI to integrate with its existing Microsoft® Windows® infrastructure.

## Solution

The department chose to base its PKI on CertifyID technology from internet security expert WISeKey. The organisation chose the WISeKey CertifyID solution because of its global trust framework and capacity to integrate with its existing Microsoft infrastructure. Using the WISeKey solution, the department joined the trust model quickly with the support of WISeKey. Using a publicly trusted certification authority ensures that users' identities can be recognised internationally.

## Benefits

- Internal collaboration is safe and secure.
- The organisation received remote training and installation assistance.
- WISeKey expertise ensured a cost effective implementation.
- World-class certification services increase PKI availability.
- Excellent integration with Microsoft technology.



### Customer

Department of Information  
Technology and Communications  
– Seychelles  
[www.virtualseychelles.sc](http://www.virtualseychelles.sc)

### Industry

Government

### Country/Region

Seychelles

### Product/Services

- WISeKey CertifyID





#### Customer

Digital Video Broadcasting  
(DVB) Project  
www.dvb.org

#### Industry

Entertainment

#### Country/Region

Switzerland

#### Product/Services

- WISEKey Managed Services
- WISEKey Professional Services

*"The launch of this DVB MHP infrastructure provides greater security for the commercial rollout of MHP devices and services. Our infrastructure for DVB Services, as a certification authority, is now complete. Working with WISEKey, DVB Services looks forward to a strong demand for its services from broadcasters, application developers and manufacturers."*

#### Peter MacAvock

Executive Director, DVB

## Consortium sets digital standards with managed security and support

**The Digital Video Broadcasting (DVB) Project designs global standards for the delivery of digital television and data services. It's an industry-led consortium of more than 260 broadcasters, manufacturers, network operators, software developers, and regulatory bodies, located across 35 countries. DVB technology sets the standard for satellite, cable, terrestrial and IP-based services.**

#### Business challenge

The DVB Multimedia Home Platform (MHP) is the software interface between interactive digital TV applications and the terminals on which they run – set-top boxes or integrated digital TVs for example. MHP is the open standard platform that enables compatibility between TV and the internet. Security is critical to ensure the authenticity of applications and content that run on consumer MHP devices. DVB needed to support the platform with an advanced infrastructure that defined consumer, service provider and broadcaster requirements.

#### Solution

The DVB Project office chose internet security specialist WISEKey to implement, host and manage its public key infrastructure in accordance with detailed technical and security standards. WISEKey issues digital certificates for broadcasters and digital television application developers, and secures the trusted roots which are embedded in terminals that comply with the DVB MHP standard.

#### Benefits

- Broadcasters and digital television device manufacturers offer reliable, trustworthy services on global networks.
- Security is ensured for the consumer, service provider and the broadcaster.
- WISEKey's neutrality provides a trusted environment for all participants of the DVB Project Industry Association.

# Secure infrastructure supports and protects ground-breaking space research

**Gemini Observatory is an astronomical observatory consisting of two eight-metre telescopes, which provide some of the world's sharpest images of the universe. They are used by scientists studying events, such as the formation of stars and planets within gas clouds, from two operations centres located in Hawaii and Chile. The observatories are operated by the National Science Foundation consortium managed by the Association of Universities for Research in Astronomy. The consortium consists of the United States, the UK, Canada, Chile, Brazil, Argentina and Australia.**

## Business challenge

Gemini Observatory recently discovered what, at the time, was thought to be the tenth planet in our solar system. Prior to this information being made public, the observatory wanted to increase IT security to prevent the early disclosure of such information. The organisation reviewed the systems used by researchers across the consortium to collaborate and share scientific findings. It sought to provide a safe environment with secure networks to protect research in the event of a system failure.

## Solution

The observatory collaborated with internet security specialist WiSeKey to install the organisation's public key infrastructure (PKI), which enables scientists to share research electronically through secure authentication. The WiSeKey CertifyID solution, implemented at the Gemini Observatory, issues and manages the trusted digital certificates which verify the credentials of its collaborators.

## Benefits

- Solution was rolled out quickly, helping to keep costs down.
- Researchers can collaborate securely to further scientific research.
- The technology is easy to use and was adopted quickly across the consortium.



### Customer

Gemini Observatory  
[www.gemini.edu/public](http://www.gemini.edu/public)

### Industry

Science

### Country/Region

United States

### Product/Services

- WiSeKey CertifyID



# Security platform simplifies certificates' management for new authority

**Customer**

Healthsign

**Industry**

Healthcare

**Country/Region**

Spain

**Product/Services**

- WISEKey CertifyID

**Healthsign is a certification authority (CA) set up by a number of medical establishments in Spain and an initiative spearheaded by Col·legi Oficial de Metges de Girona (COMG). The authority manages the security certificates that identify and verify members of the local medical profession when accessing and sharing information over the internet.**

**Business challenge**

Until recently, a large group of medical organisations in Spain were clients of third-party commercial CAs, and local public authorities were unable to participate in the management of these services. The medical establishments affected wanted to bring back control of certification to the public sector medical community.

**Solution**

With the help of internet security specialist WISEKey, COMG and a number of local medical schools successfully created the Healthsign CA. All colleges that join Healthsign have a seat on the board. WISEKey defined the certification policies and led negotiations with public organisations to recognise Healthsign-issued certificates. The WISEKey CertifyID platform supports the scheme, simplifying digital certificate and identity management for the authority.

**Benefits**

- Solution is easy to manage and operate, and WISEKey provides ongoing support.
- Healthsign was implemented within tight timescales and on budget.
- The solution offers high availability and redundancy, and will scale with the authority.
- It complies with the level of security required for electronic prescriptions – which will enable GPs to send prescriptions electronically to a dispenser.

# SVP Alliance protects content with authentication system



**The Secure Video Processor (SVP) is an open technology specification for digital content protection. A group of leading media and technology organisations formed the SVP Alliance to promote the broad adoption of SVP content protection technology in digital home networks and portable devices.**

## Business challenge

On-demand entertainment is made possible by digital technology that means content can be transferred easily and enjoyed on a variety of devices. The SVP Alliance created the SVP open technology standard to protect this digital video content for content owners and network providers. The alliance wanted the specification to be supported by a secure, web-based system for authentication and encryption of data.

## Solution

The SVP Alliance Licensing Authority elected to work with digital authentication expert WiSeKey on its security infrastructure. WiSeKey designed and now hosts and manages secure SVP root software and the SVP hardware security platform, which authenticates video processors to SVP standards.

## Benefits

- WiSeKey Professional Services provide public key infrastructure experience and reduce the time spent planning and designing the system.
- The alliance required less in-house expertise to complete the project.
- WiSeKey deployed the solution quickly and cost-effectively.
- The alliance can build on WiSeKey policies and procedures.
- WiSeKey's neutrality provides a trusted environment for all participants of the SVP Alliance Industry Association.

## Customer

Secure Video Processor Alliance  
[www.svpalliance.org](http://www.svpalliance.org)

## Industry

Technology

## Country/Region

Switzerland

## Product/Services

- Dedicated root software and hardware security platform
- WiSeKey Professional Services
- WiSeKey Managed Services





#### Customer

State of Geneva  
www.geneve.ch

#### Industry

Government

#### Country/Region

Switzerland

#### Product/Services

- WISeKey PKI Managed Services
- WISeKey Professional Services

## Geneva residents pilot secure e-voting solution

**Geneva is one of 26 cantons that make up the confederation of Switzerland. Located in the south-western corner of the country, the region is home to a number of inter-governmental bodies, such as the World Trade Organisation and the Red Cross.**

### Business challenge

The Swiss confederation chose Geneva to participate in an internet voting or 'e-voting' pilot, to offer citizens a more accessible way to take part in the democratic process. Rigorous security and ease-of-use criteria were identified. These included making sure that votes could not be intercepted, modified, or diverted, that the voter's confidentiality was assured, and that hackers couldn't access data or influence the real intention of voters.

### Solution

Geneva worked with identity and digital trust specialist WISeKey. Using specialised public key infrastructure and other cryptographic technologies, WISeKey developed a solution to ensure the integrity of the security protocols and ballot box. The system was tested extensively and subjected to 'controlled hacking' by the University of Geneva and CERN (European Organization for Nuclear Research – where the World Wide Web was invented). More than 20,000 voters have used the system, which continues to be expanded.

### Benefits

- Constituents don't need to install additional software to vote online.
- People found the system easy to use and didn't need to call the helpline.
- The experiment indicated that 30 per cent of Swiss people wanted to start voting online.

# Touring Club Suisse enhances email security for employees



**Established in 1896, Touring Club Suisse (TCS) offers a range of services to support stranded vehicles, from motoring assistance to traffic updates and legal services. Today, the club boasts almost 1.5 million members across Switzerland. It is made up of several departments, where the organisation's 1,200 employees offer members help and advice, as well as technical assistance.**

## Business challenge

With so many members and employees regularly exchanging sensitive information, TCS wanted to increase the level of security and confidentiality both internally and externally. The organisation aimed to deploy advanced electronic identification methods in conjunction with its Lotus Notes email solution, ensuring optimum security through the signature and encryption of email messages.

## Solution

TCS chose to deploy the CertifyID solution by internet security company WiSeKey. This offers complete, out-of-the box technology to simplify digital certificate and identity management. CertifyID enables TCS to issue and manage trusted digital certificates which can be used with Lotus Notes to secure the integrity and confidentiality of communications among internal and external collaborators. The second phase of the project will include the deployment of smart cards to enhance security during logon.

## Benefits

- The company can maintain its existing technology investments.
- Deployment time was reduced, keeping costs down.

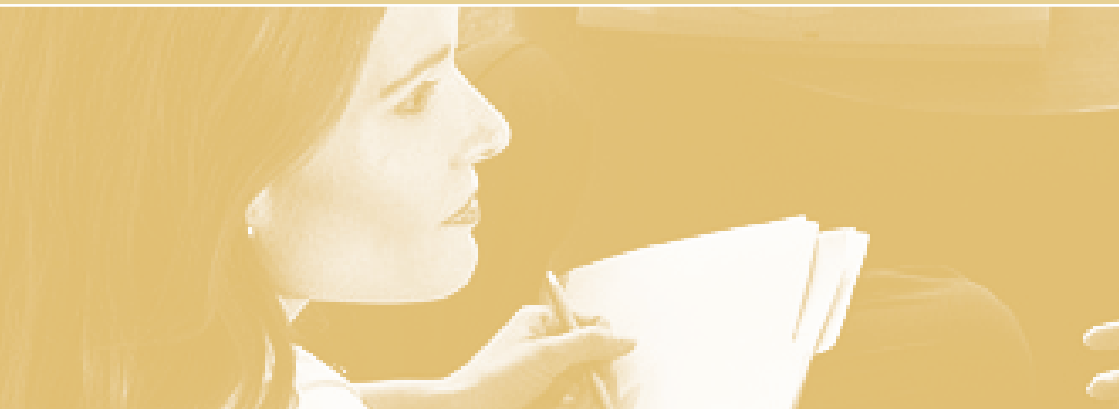
**Customer**  
TCS  
[www.tcs.ch](http://www.tcs.ch)

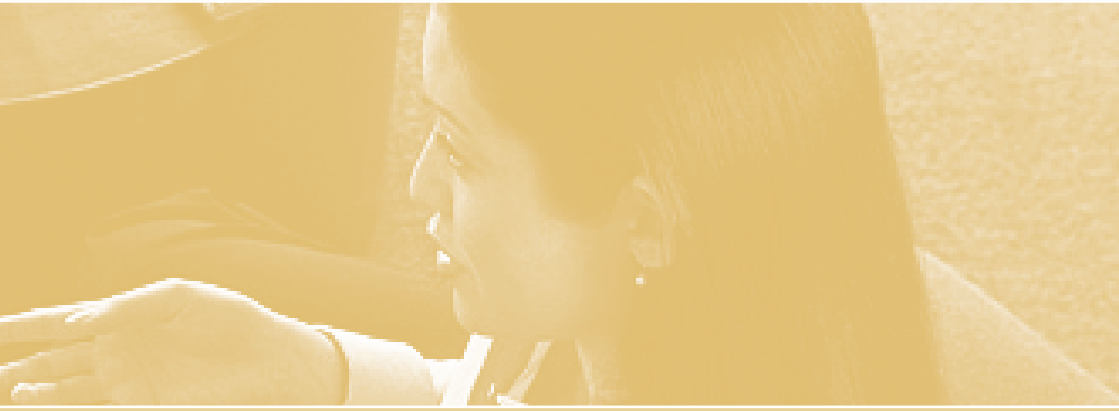
**Industry**  
Automotive

**Country/Region**  
Switzerland

**Product/Services**  
• WiSeKey CertifyID







# WIS@key

The World Internet Security Company

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