Online Trust Solutions

Corporate eID and Security Communication Solutions for eBanking

Welcome to WISeKey

Online Trust Solutions

Secure Messaging (across devices & platforms)

Data Leakage Prevention

SSL & PKI

Paper Reduction Solutions (dematerialization)

Digital Brand Protection

WISeAuthentic

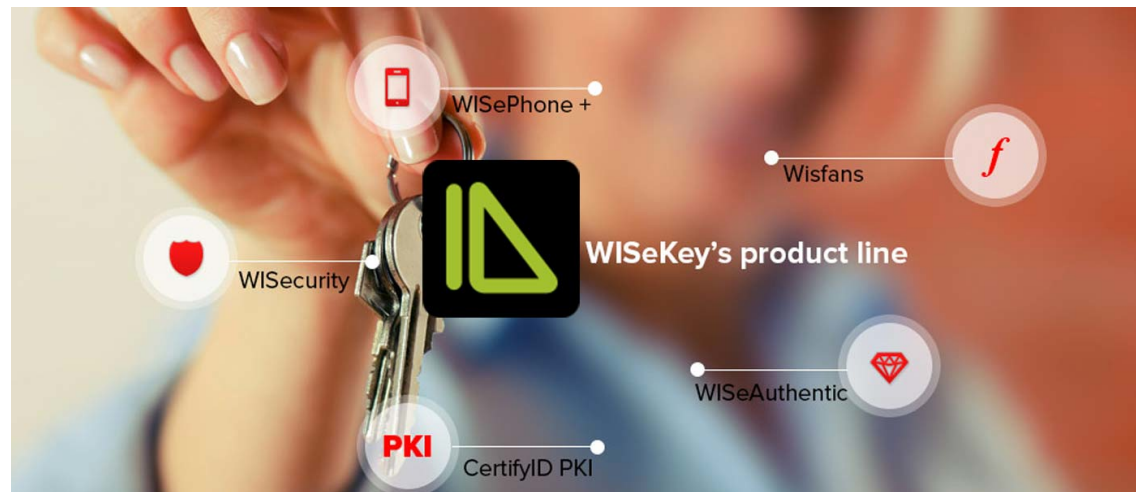Certified Branded Web Presence

Mobile Solutions

WISeID (Secure Data Storage)

WISePhone (Secure Voice)

WISfans (community management)

How WISeKey can add value…

- ❖ WISeKey is a global player in the Electronic Identity arena
- ❖ Internet Banking environments require an strong and unique identity for all participants in a business process: persons, machines and applications
- ❖ PKI and Digital Certificates is the best way to provide unique and reliable digital identities
- ❖ Secure Voice Communications: WISePhone allows to encrypt voice communications in the smartphones, increasing the security and reducing the costs due to the usage of secure Voice-over-IP technologies

- ❖ *Our values*
  - ▪ *Unique Trust Model*
  - ▪ *Recognized worldwide*
  - ▪ *Experience in key projects*
  - ▪ *Win-Win Orientation*

WISePhone +
Wisfans
WISecurity
WISeKey's product line
WISeAuthentic
PKI CertifyID PKI

WISeKey CertifyID Technology

❖ Complete suite of PKI Products:

  ▪ *SSL Certificates*

  ▪ *Personal Certificates*

  ▪ *Advanced Registration Authority solution*

  ▪ *Development tools to integrate electronic signatures to the business processes*

  ▪ *Unique Mobile Device Strategy*

❖ Managed PKI Services

❖ TrustCenter License: Adherence to WISeKey Trust Model:

  ▪ *Corporate CAs are signed by the WISeKey Trusted Root CA*

  ▪ *Certificates issued by the Corporate PKI are automatically recognized as trusted outside the company*

  ▪ *Reduces dramatically costs and time-to-market*

Trust Center Suite

Deploy Trusted Digital Identities
on your Microsoft Servers

# OISTE: Our Unique Trust Model

Relationship with OISTE

- ❖ WISeKey created the OISTE Foundation to control the Root Certification Authority and the Trust Model

- ❖ WISeKey is the trusted operator of the OISTE Global Root

- ❖ OISTE provides Common Root for Certification Authorities worldwide that comply with the OISTE Trust Model

- ❖ Swiss Neutrality, Security , and privacy laws allow operation without geo-political or governmental constraints

Our proposal: Corporate eID for eBanking

❖ Establish the foundation for an enhanced Corporate eID

- *Corporate PKI, adhered to the WISeKey Trust Model*

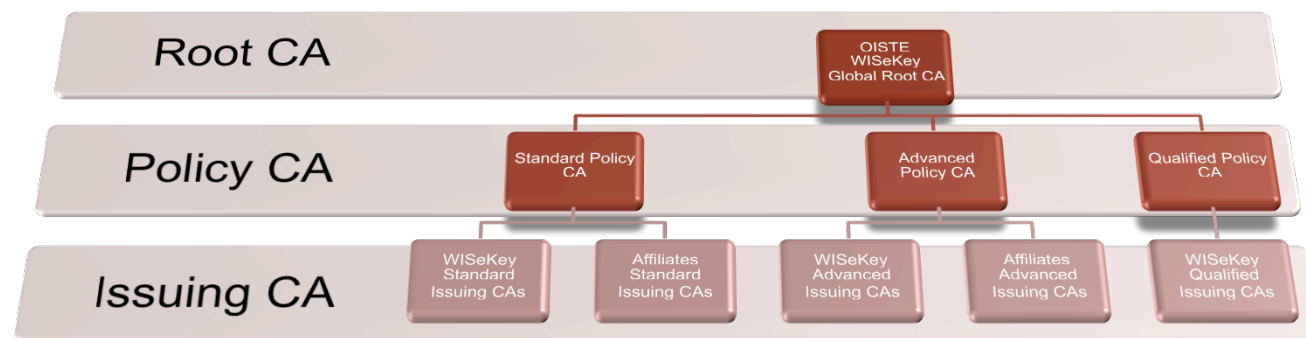- *Use Digital Certificates to authenticate persons and devices*

❖ Enable cross-device secure identification and transactions

- *Apply eID to corporate communications (e-mail, communications…)*

- *Integrate the eID with a Mobile Device App for internal and customer's use*

❖ *Add digital signatures to business processes*

- *Transition to Digitally Signed documents*

- *Integrate digital signature tools in corporate applications*

- *Improve security and efficiency*
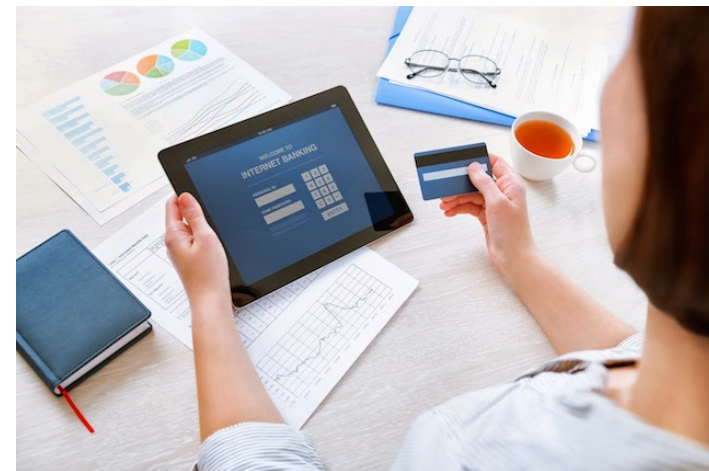
Corporate PKI – Project Scope

❖ Certification authority deployment. Corporate SubCA under WISeKey's Root and Trust Model

❖ Certificate template definition for: Digital Signature, User authentication, Email signature and encryption, Computer/server authentication, Web server, Secure e-mail;

❖ Certificate enrolment processes configuration (auto-enrollment, Web enrollment pages, device certificates using Network Device Enrollment;

❖ Designing for secure archival and encryption key recovery

❖ Integrate pilot corporate services: Authentication, Secure e-mail, Signed PDF…

❖ Training

Root CA			OISTE WISeKey Global Root CA		
Policy CA		Standard Policy CA		Advanced Policy CA	Qualified Policy CA
Issuing CA		WISeKey Standard Issuing CAs	Affiliates Standard Issuing CAs	WISeKey Advanced Issuing CAs / Affiliates Advanced Issuing CAs	WISeKey Qualified Issuing CAs

The WISe**key**'s Mobile Strategy

WISe*id*

Mobile Strategy

ID **WISeID** *Mobile Personal Identity*	🛒 **WISePay** *Mobile payment*	**P+** **WISePhone** *Secure voice communications*	🔍 **WISearch** *Social Search*
W/A **WISeAuthentic** *Digital brand protection*	✉ **WISeMail** *Secure messaging*	**WIS*fans*** **WISfans** *Certified fan communities*	☁ **WISeCloud** *Secure Mobile Storage*

WISeKey Mobile is our new and unique strategy that brings an effective solution to the evolving need to secure communications and transactions on Mobile Devices

A short introduction to WISeID…

ID

- ❖ WISeID is an innovative solution from WISekey for mobile identity and information security

- ❖ Using the WISeID applications (available for most smartphones and desktop environments) users can:

  - Generate and use a digital identity

  - Access to customized services using their Id

  - Protect the information stored and communicated using his smartphone

- ❖ WISeID is offered in two "flavors" :

  - *Personal edition*. Independent application that users can freely enjoy for their personal use

  - *Corporate edition*. WISeKey provides a customized WISeID App for organizations that want to interact more securely and efficient with users and clients

WISeID is the base on which specialized solutions are built, as WISfans and other applications

WISeID: Mobile Digital ID

❖ WISeID provides to the user a CertifyID Digital Certificate, with the private key conveniently and securely stored

❖ The Digital ID provides the basis for strong authentication and digital signatures

❖ PKI and Digital Certificates is the best way to provide unique and reliable digital identities

❖ Can be used inside the corporation and for relationship with customers

Mobile Digital Signatures

❖ WISeID can be used as a "Remote Signature Device": The user can digitally sign any document, even when navigating in a webpage or operating in an ATM; The document will be transmitted transparently to WISeID for signature using the digital certificate.
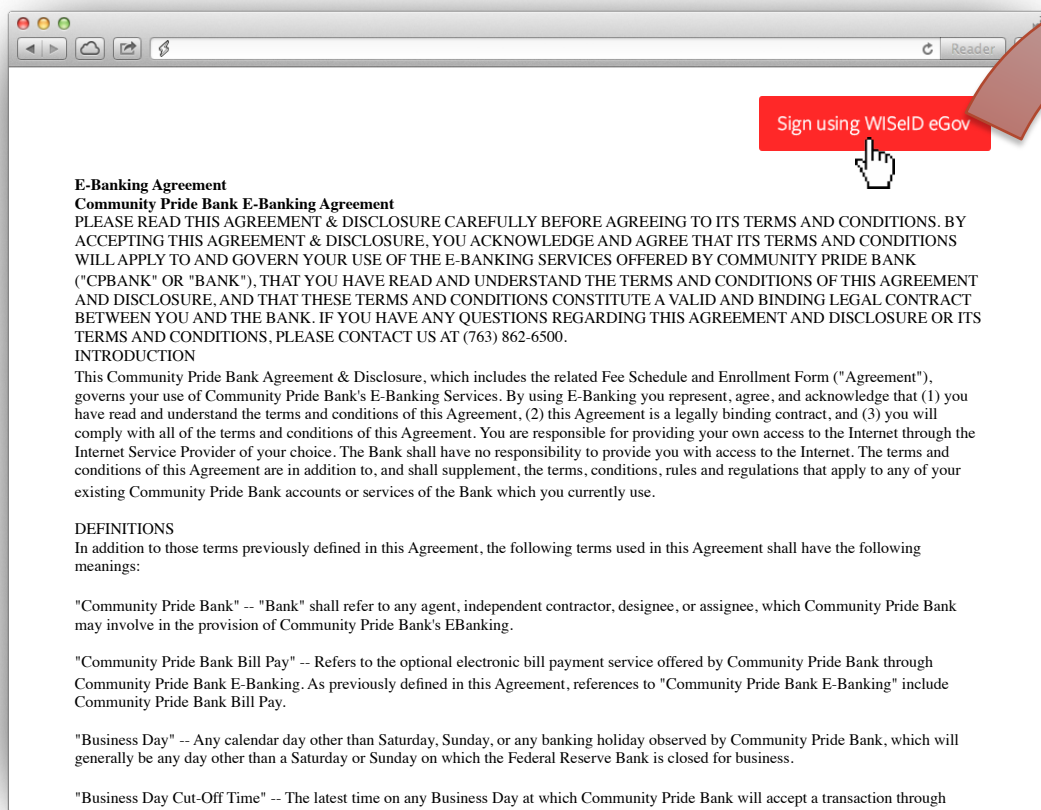
Mobile Strong Authentication

❖ WISeKey Multi-Factor Authentication (MFA) increases security by adding a layer of protection on top of your username and password.

❖ When a user signs in to a web site with MFA enabled, then their first factor of authentication – what they know - username and password is requested; and then their second factor – what they have - an authentication code generated by WISeID is checked.

❖ When combined together these elements provide multiple factors of authentication and thus increased security for the account, resources and settings.

❖ This can be used also to authenticate transactions using the On-Line Banking website or an ATM

CARRIER

AUTHENTICATION

WISeID eGOV

Your token is:

P4SS!W$R@

⧖ **30s**

Your token will be expired in 30 seconds

WISePHONE Secure Communications

- ❖ WISePHONE Secure Communications was designed in compliance with the highests security standards of the market

- ❖ Developed by combining security with usability, providing users with the freedom they desire and the confidentiality a corporation requires

WISePHONE provides voice encryption for mobile phones, using the IP data channel