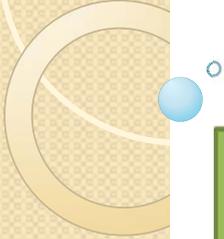


Signature Pad

Katona Tihamér

**Strategic Client Manager
WIT-SYS Consulting**





E-Signature

Eliminate Pen & Paper Signatures

*Static Signature
Verification*

Real time image verification of
signatures in checks

*Dynamic Signature
Verification*

Real time biometric verification of
signatures in POS



Security aspects of e-signature technology

- Secured connection between the tablet device and the computer.
- Data encryption.
- Signature biometrics.
- Digital Signature for document authenticity.



STEPOVER tablets

- Designed and made for e-signature
- Calculate & Encrypt data inside the tablet
- Independent clock for Time Stamp
- Monochrome & Color Display
- Resolution: 800 dpi (Real - not interpolated)
- Pressure levels: 255 - no special pen required !



PlusPAD



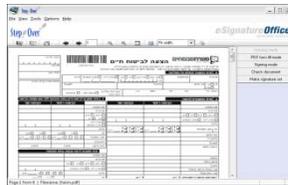
NaturaSign



**NaturaSign
Color**



End to end security concept:



Tablet

- Digital Signature Time & Data is taken from an independent clock
- Biometric data:
 - Pressure (255 levels)
 - Time - Speed & Acceleration
 - Angle - Pixel Position, absolute & relative
- Digital Signature is calculated on tablet side



End to end security concept

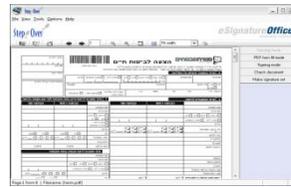


Connection

- Secured connection between tablet & computer
encryption algorithm AES 256 with authorisation (i.e. each signature device has its own encryption key)



End to end security concept



Software

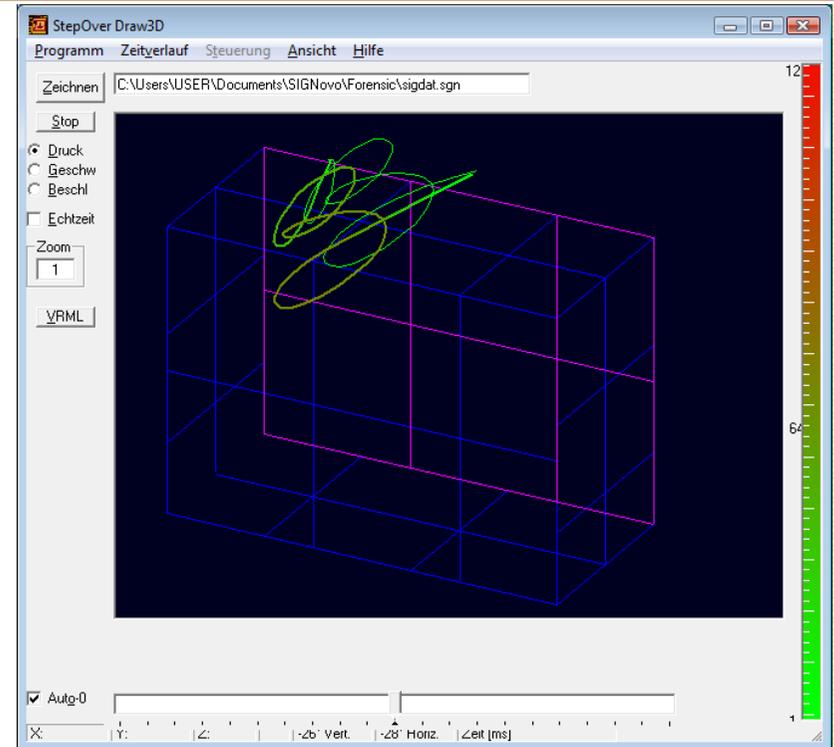
- Encryption of Biometric data
- Document signed by Digital Signature – no further changes are possible.



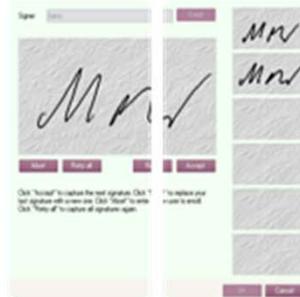
Biometrics

- Biometrics
 - Time > Speed, acceleration
 - Angle > Pixel Absolute & Relative
 - Pressure

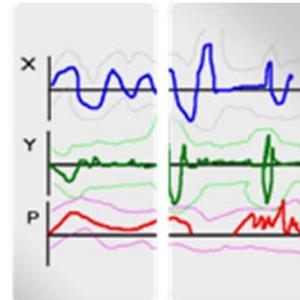
- Data is encrypted & attached to the PDF
- Forensic tool to analyze signature (possible if you hold signatures private key)
- Supported key strength between 128 to 4096bit.



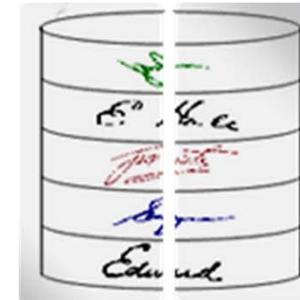
Real-time Signer Authentication



Enroll User
Sign six sample signatures



Create Profile
Biometric data is extracted
Profile is generated and stored

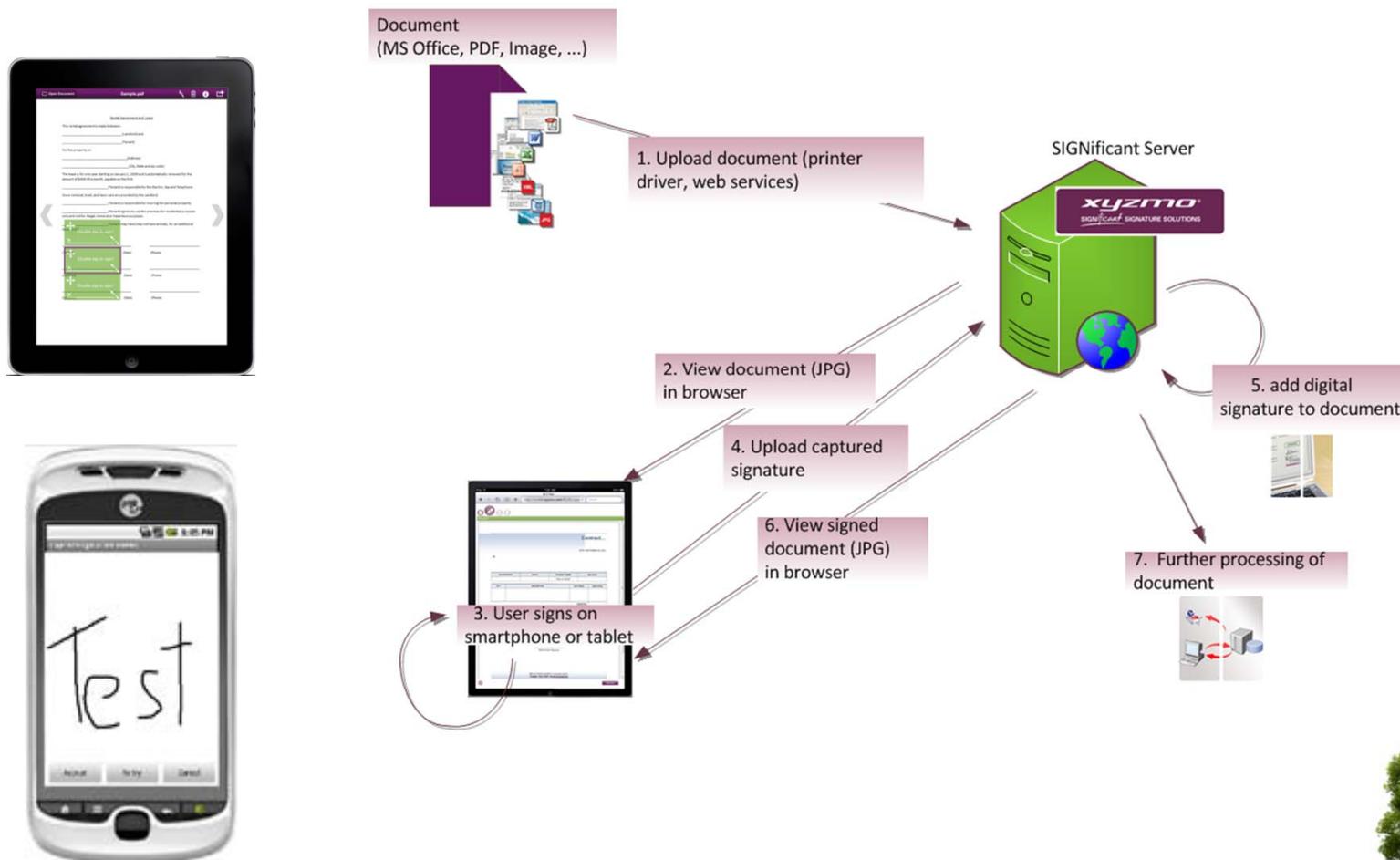


Validate Signature
Signature is compared
to profile in real-time

- First store a digital signature profile of your signer
- Authenticate signers in the future in real-time via their handwritten signature



Signing Using iPad-Android



Integration



eSignatureOffice

- Convert any printable file to PDF or TIFF
- Signature biometric embedded inside PDF
- WEB interface
- PDF sealed for changes
- Support PDF form fill functionality
- Macro Buttons for easy integration



eSignature API

- OCX component that is integrated into your application
- Embedding of the signature image and biometric data in TIFF and PDF documents
- Bi-asymmetric sealing up to RSA 4096 bit



PDF Plug In

- Signature verification by the user
- Support for the Acrobat / Reader function "Place signature"
- Signing static and dynamic XFA forms (generated with Adobe LiveCycle Designer)
- Cloud Technology

StepOver References



xyzmo References

Telecommunication industry

The Phone House

T-Mobile

Vodafone

BelCompany

KPN

orange

simobil

Cellcom

WIND

COSMOTE

NASHUA MOBILE

Banking & Insurance

MERKUR
DIE GESUNDHEITS-VERSICHERUNG

TATRA BANKA

BRED
Banque et populaire à la fois. BANQUE POPULAIRE

CAPITAL BANK

Phoenix
When it counts we are with you

HARBOR ONE
Credit Union

GRZ
IT Center Linz

leumi

easycash
A member of origami group

bank hapoalim

FIRST GLOBAL BANK

BCH
Banco Central de Honduras

Other industries

Sony DADC

FIAT

Fronius

K+S
Experience growth.

OBB

MM
KARTON AG

A.Vogel

LKW WALTER
TRANSPORTORGANISATION AG

LAFARGE
bringing materials to life

CASINOS
GROUP TRANSCHE

Wer liefert was?

QUESTER!
mein Bester

E-Werk Wels

SW/M

PerkinElmer
For the Better

DiG
digital information gateway

Verbund

ENGEL
be the first.

BENTELER

wien at

IBC SOLAR

MAQUET

References - The financial sector

- Merkur Insurance in Austria (in production since 2 years; use the SIGNificant Client on laptop computers for mobile sales)
- Generali Insurance in Slovenia (call possible sometimes next week, when they completed their roll out; use the SIGNificant Server with a Web client on laptop computers for mobile sales)
- Metlife Alico in Greece (internal document signing)
- Tatra Bank in Slovakia (SIGNificant Biometric Server for automated user authentication using dynamic signature verification at the bank teller)
- Bred Bank in France (bank teller application, retail banking, SIGNificant SDK - part of Bank Agricole)
- CNBS central bank Honduras (intra-bank business, SIGNificant Client)



**Köszönjük a
figyelmüket!**

Kérdések?

Következő lépések?



SIGN

Seal

Verify