## eBanking Security



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**Company Overview** 



### Gemalto for Banks

#### **CONSULTING SERVICES**

**EMV MIGRATION** 

MOBILE NFC **IMPLEMENTATIONS** 

CHIP TECH TRAINING

PROJECT MGMT & KNOWLEDGE TRANSFER

#### CARDS & **PAYMENT** SOLUTIONS

**EMV** 

**EMV WHITE LABEL** 

COUNTRY SPECIFIC

**EMV MULTI-APP** 

CONTACTLESS (CARDS, STICKERS & MICRO-SD)

**DISPLAY INTERFACE** 

**CARD BODY &** FINISHING OPTIONS

#### ARTWORK **SOLUTIONS**

CUSTOMIZED CARD **DESIGNS** 

**FAST TRACK SAMPLES** 

ARTWORK DEV TOOL

SMALL BATCH SOLUTIONS

#### **ISSUANCE SOLUTIONS**

PERSONALIZATION **SERVICES** 

SECURE PACKAGING & FULFILLMENT

CENTRAL ISSUANCE

**INSTANT ISSUANCE** 

DISTR. ISSUANCE

PIN BY SMS

**INVENTORY MGMT** 

#### **POST-ISSUANCE SOLUTIONS**

CARD COMPANION SMART PHONE APP

#### **CRM TOOLS**

DIRECT MARKETING ON MOBILE

#### MOBILE FINANCIAL **SERVICES**

MOBILE PAYMENT

MOBILE NFC

MOBILE MONEY

MOBILE WALLET

MOBILE BANKING

MOBILE ID

**CERTIFIED SMS** 

#### TRUSTED SERVICE MANAGEMENT

TSM FOR SERVICE PROVIDERS

#### E-BANKING SECURITY

**AUTHENTICATION &** TRANSACTION SIGNING

### **E-COMMERCE**

3D-SECURE SOLUTIONS

**CARD-PRESENT** SOLUTIONS

#### CORPORATE **ACCESS SECURITY**

TRADERS' SINGLE SIGN-ON

CORPORATE NETWORK ACCESS



# Recognized by Gartner as a global eBanking leader

"A wide range of authentication methods... used across the broadest range of use cases"

"Gemalto's reference customers were very or extremely satisfied with customer support"

"The strongest position in the user authentication market"



## Gartner



# We are the trusted partner for financial services and retail institutions worldwide





### Local References



Райффайзен Банк



Возрождение Банк



Московский Индустриальный Банк

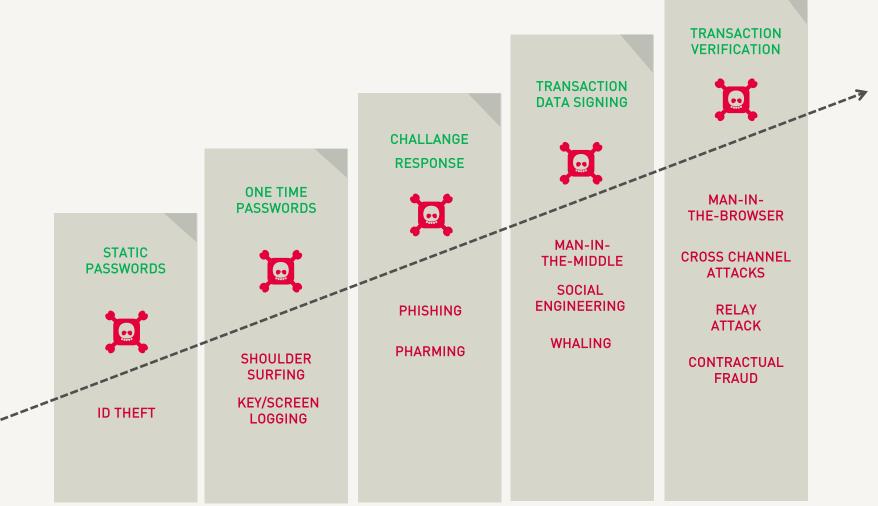
### Other Banks:

- LipetsCombank
- Bank Primorie
- Surgutneftegas Bank

Frauds & Mitigation

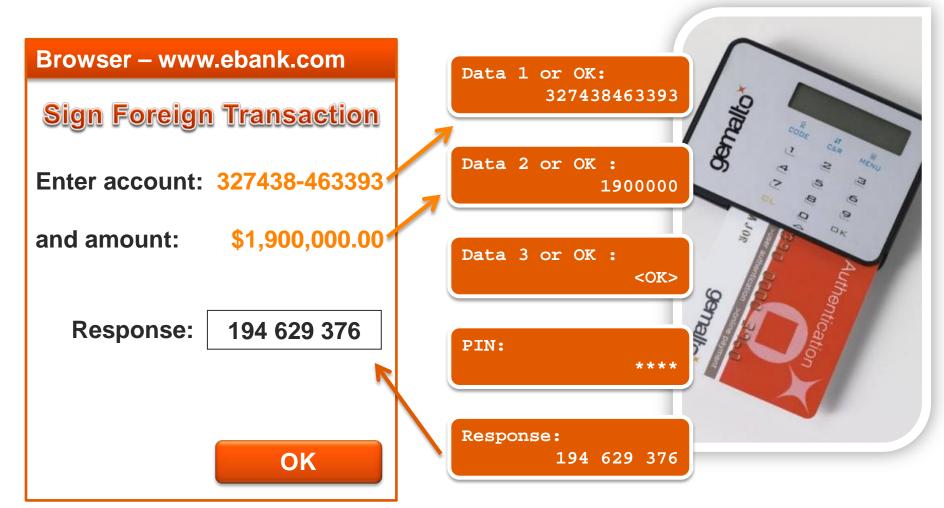


## Fraud is constantly evolving



# Transaction Data Signing

SUCCESSFUL AGAINST MAN-IN-THE MIDDLE



# Risk Dependent Contextual Signing

ASK THE RIGHT QUESTIONS AT THE RIGHT TIME





LOW

## Sign-What-You-See

THE NEXT GENERATION USER-AWARENESS INCREASING TECHNOLOGY

Amount: \$125 000 Interest rate: 3.67%

PC

# Secure Signing Interface

Mr. Doe, your house mortgage contract.

OK Sig

Signing device

Amount: \$125 000

Interest rate: 3.67%

OK

PIN?

\*\*\*

OK

K COOK

Mortgage contract signed.





# Authentication **Solutions**









### **ALL SEGMENTS**







### **ALL CHANNELS**









### ANY FORM FACTOR















### ANY TECHNOLOGY









### **ANY BACK-END**







## Key drivers for CAP solutions

- Use security already in place
  - × Leverage the EMV card deployment
- × Feel free to choose your supplier
  - Rely on a proven and widely deployed standard
- X Long-term vision
  - Invest in scalable security
- Offer the right solution to the right customer segments
  - Choose from a variety of form factors
- Deploy a complete and consistent security solution
  - Apply security on all channels, including mobile and tablet





## Key drivers for OATH solutions

- Feel free to choose your supplier
  - Rely on a proven and widely deployed standard
- Long-term vision
  - Invest in scalable security
- Offer the right solution to all customer segments
  - Count on a large choice of form factors
- Deploy a complete and consistent security solution
  - Apply security on all channels, including mobile and tablet





## Key drivers for PKI solutions

- × Long-term vision
  - Global users relying on regularly maintained public standards
- × Move to a paperless relationship
  - Covers all authentication, privacy and confidentiality aspects
  - Allows to sign all data regardless of size and format
- Maximize confidence in a dematerialized relationship
  - Provide legal non-repudiation framework to your applications.
  - Ver 30 years field proven resistance to attacks
- × Interoperate with all channels
  - Compatible flows and mechanisms between eBanking, eCommerce and eGovernment infrastructures





### Ezio Shield Pro

### Connectable Reader



### ★ High end-user acceptance

- For frequent signing users
- The 'real' Chip&PIN experience
- Can be used in connected and/or unconnected mode

#### × Innovative

- Scalable security
- Transaction verification (SWYS)
- Extendable usage: PKI support

### × Brand vector

- Fully customizable to reflect the bank's image
- × Easy deployment
  - Easy installation thanks to Enex
  - Experience from worldwide fulfillments



### Ezio PC PIN-Pad

Peace-of-mind use for desktop PKI users & frequent signatories



- Increased user confidence
  - Keep your PIN safe from infected PCs and key logging malwares
  - Prevent fraudulent signatures without your explicit consent
- × High end-user acceptance
  - × Reduced dimensions and enlarged display for friendly use
  - Clear messaging for PIN operation guidance
- × Innovative
  - Class 4 reader compliant with Secure PIN entry standards
  - × Fits multi-channel use for eBanking and eGovernment





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