Giesecke & Devrient Government Solutions

Why Document Quality is Essential All the security you need for your passports

Dr. Bernhard Deufel Business Advisor Passports Systems



Giesecke & Devrient

Creating Confidence.

Business Units and Divisions

Banknote



Paper

- For banknotes
- Security paper/foils
- Plant engineering

Printing

- Banknotes
- Printing plant services

Processing

- Banknote processing systems and identification modules
- Security features and sensor technology
- Services and technical support

Mobile Security



Secure Devices

- Cards, tokens, and embedded software
- Personalization and data management

Server Software and Services

- Over-the-air management
- Trusted service management

Applications

- Electronic payment transactions
- Secure mobile communications
- Ticketing and transit
- Authentication

Government Solutions



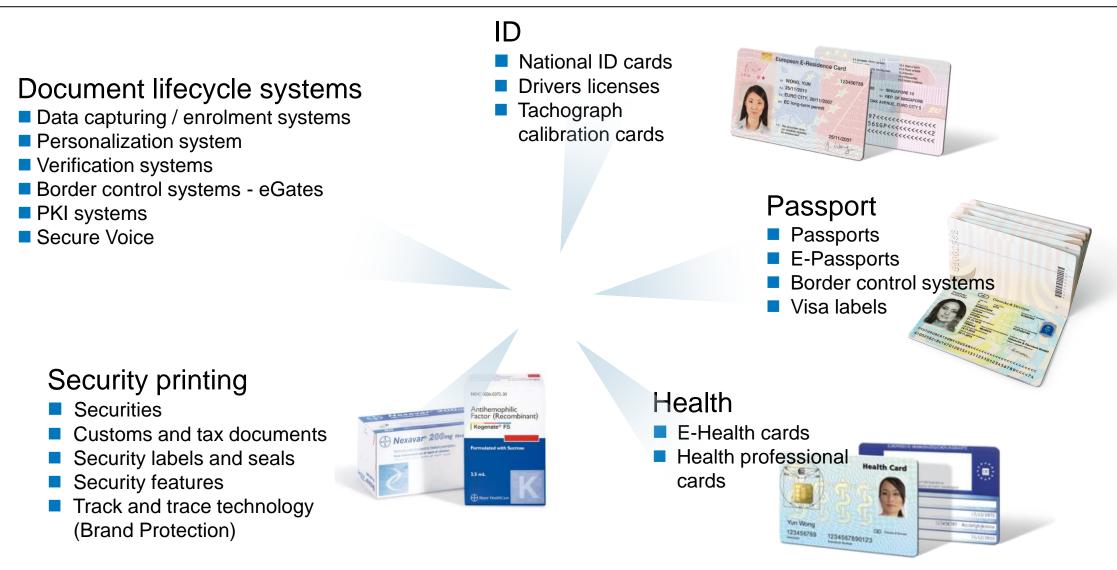
Security solutions for governments and their agencies

- ID documents
- Passports
- Healthcare cards
- Security printing
- Product and brand protection
- IT security

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Government Solutions offering



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The Identity Threat

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Counterfeit

- falsifying the whole document
- replacement of the complete bio-data page
- replacement of the electronic component

Forgery

- photo substitutions (lifting of the laminate, transparent foil in case of plastic)
- intentional damage of the electronic component

Impostor

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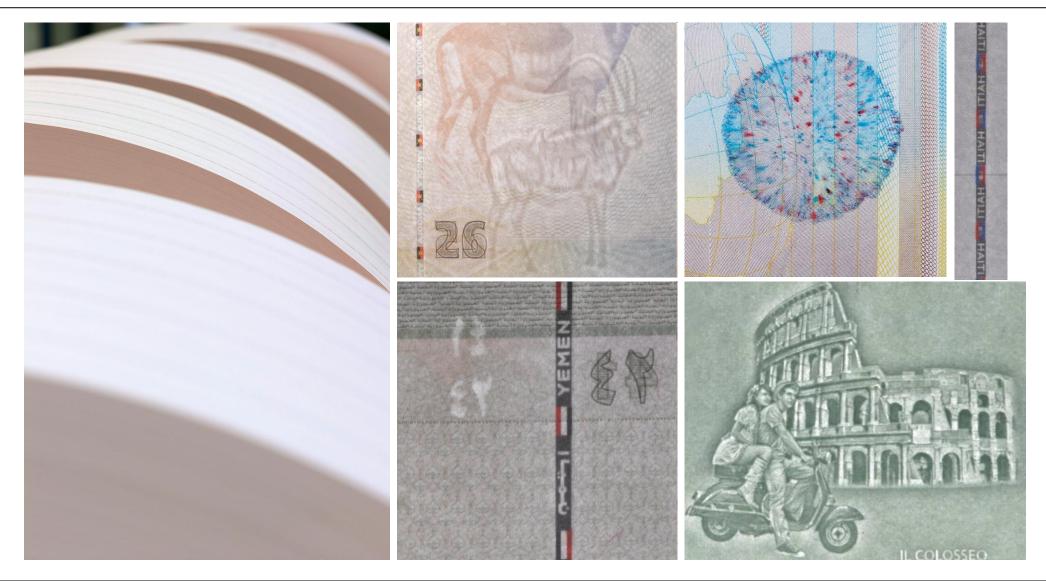
- illegal use of the documents of another person = look-alike fraud
- Falsely obtained documents
 - by using forged birth certificates
 - double applications
- Stolen blank documents
 - Exploiting security holes in the handling process







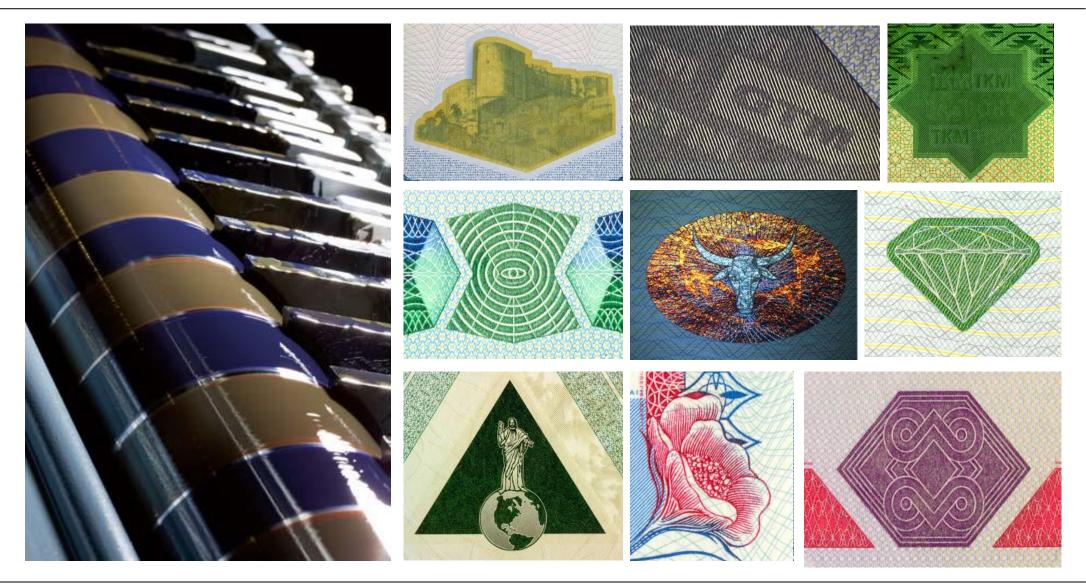
Performance of the security paper



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Performance of printed security features



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Performance of the electronic component



G&D's STARCOS® OS:

- Fully certified (security, conformity & durability)
- Available in inlays, eCovers, plastic data pages
- One of the fastest e-passport OS on the market
- Supporting
 - Basic Access Control BAC
 - Active Authentication AA
 - Extended Access Control EAC v1.11
 - PACE v2 (=SAC: mandatoty in E from December 2014)



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Performance of the personalization & issuance solution



IMAGO system solution:

- Mobile and stationary enrolment of application data
- Supporting central and decentral personalisation
- Supporting vendor independent personalization systems
 - inkjet personalization
 - Iaser personalization
- PA PKI and EAC PKI solutions
- Implementing requirements from ICAO Assessment Guide

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Performance of the Border Control System



HIGHSEC® VeriGO system solution:

- Border Control Management Systems
- eGates
- Mobile Verification Solution
- Interfaces to national data bases



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Conclusion

- Regarding security features: quality is more important than quantity
- All production components should come out of one hand
- Electronic document brings benefits to the citizens
- Mobile verification allows reliable and fast identification of people anywhere
- Don't safe money when it comes to security

AND: The best document/system is only as good as its weakest link!



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Many thanks for your attention!

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