

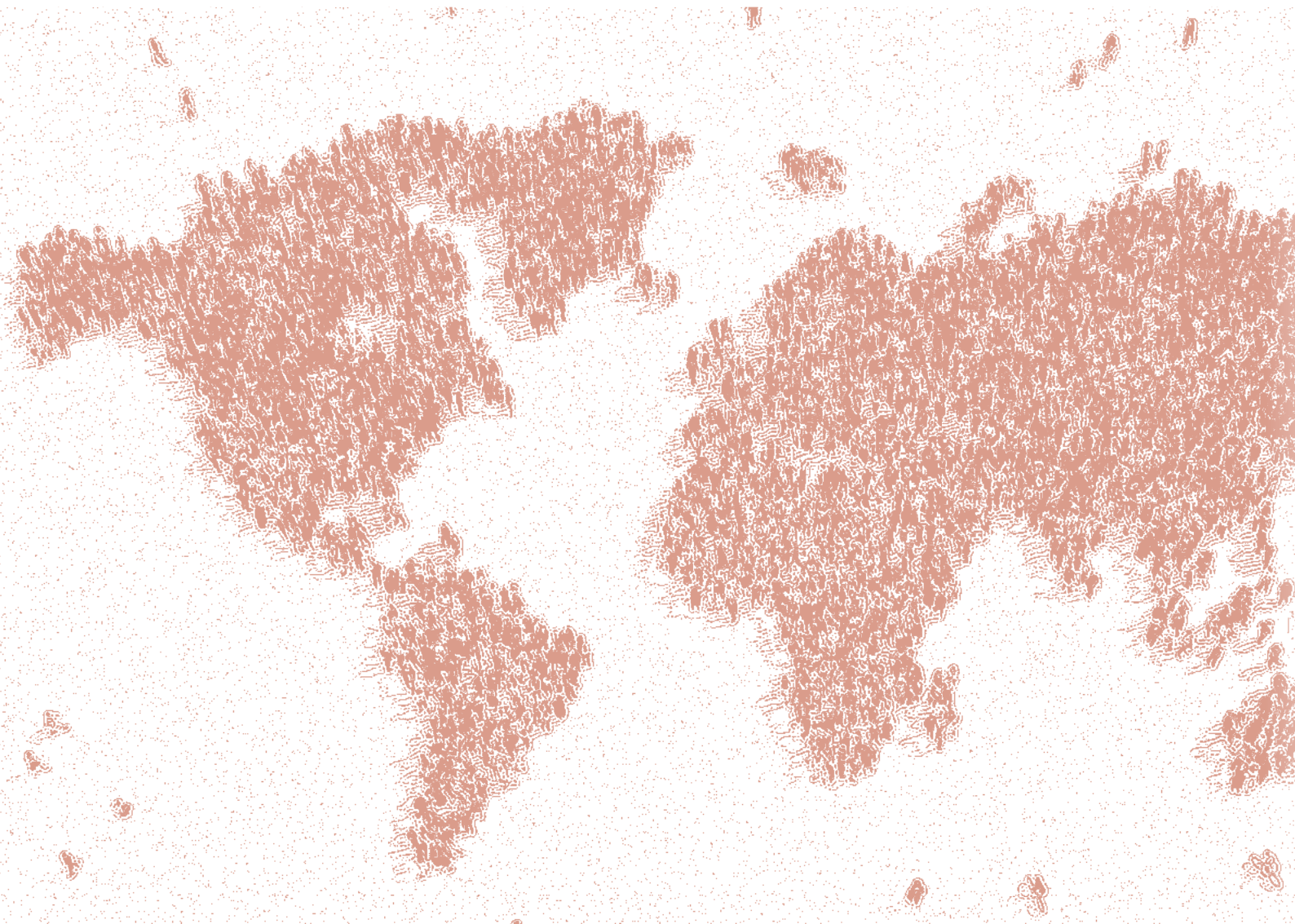



Electronic Identity Card

production and personalisation

eID

production and personalisation





ANY Security Printing Company PLC has a diverse portfolio of products, among others in the range of document cards such as residence permits, refugee cards, driving licences, student cards, voter's cards, etc. A special type of document card is identity card, used to identify citizens. Electronic identity cards in addition to being used for personal and electronic identification, as a travel document or a health insurance and taxpayer identification, can also be used for digital signatures on e-government services. Today's documents are both physical and digital data carriers with a range of security features and anti-counterfeiting protection, their decorative, colourful graphics also display national symbols in a country-specific way. However, behind the attractive exterior, hidden features ensure that the products have the highest levels of security and protection against counterfeiting.

In our Document Security Laboratory, our experts work every day to incorporate the highest level of protection and the easiest-to-verify, proprietary security features into the documents, making life easier for authorities and individuals. Our services include also the delivery of security solutions for the decentralised and centralised issuance of documents.

Creating a new document is an extremely complex process, which requires joint reflection with representatives of the relevant areas of public administration.

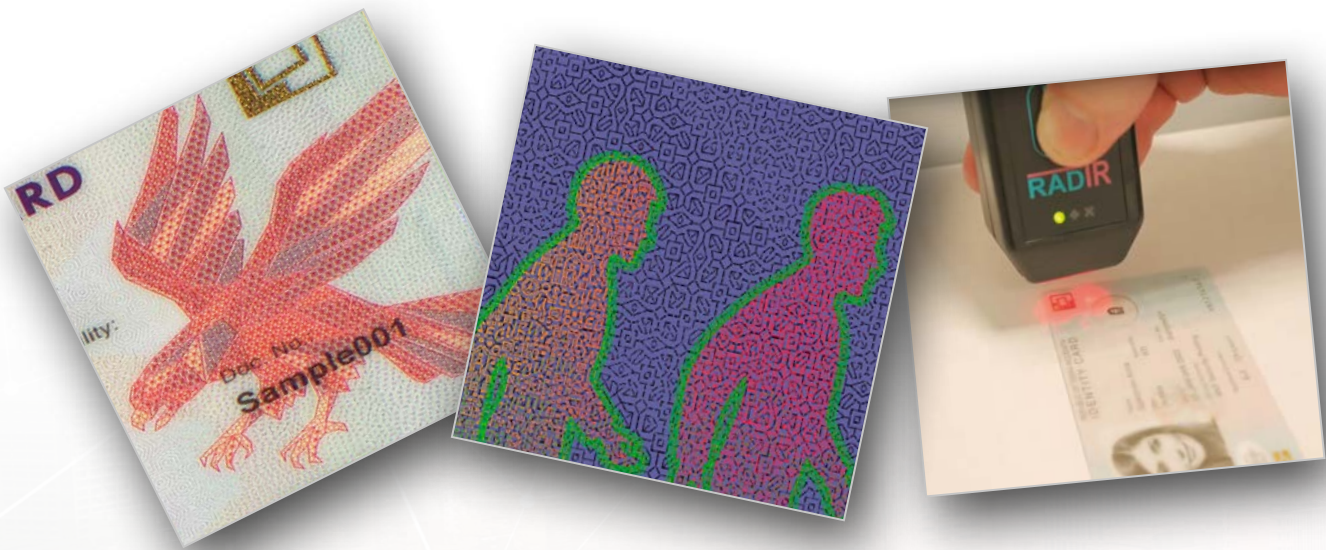
ANY's comprehensive consultancy and complex production process have been trusted by over 50 countries around the world, which are all using at least one of the Company's products!

ANY has the technological and professional background to produce and personalise electronic identity cards.

ANY offers fully ICAO compliant ID cards, carrying much more security elements than it is obligatory.

About the production

ANY undertakes the whole design and manufacturing process with safe, closed technology and a certified and ratified safety and production-technology system. The documents with unique, exclusive security solutions, developed by our Document Security Laboratory, are produced in an audited environment in accordance with the strictest data security regulations. The know-how and experience of our experts enable us to provide a complete service from effective production of security documents including design, printing, up to final products' packaging and verification solution.



Security graphics

may include national symbols and texts, multi-level security feature

Offset and screen printing

UV prints, rainbow printing, self-developed security inks, IR absorbing and OVI™ print

Hologramming and laminating

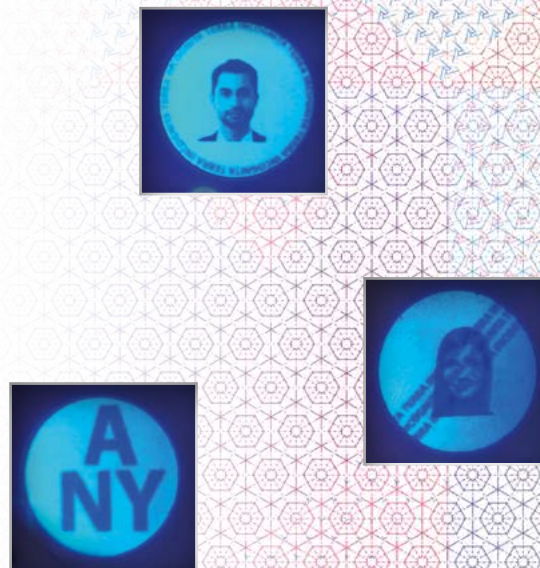
application of holograms, tactile embossed elements, CLI/MLI feature

Personalisation and chip embedding

ICAO compliant chip module, laser engraving, thermal direct transfer, thermal retransfer technology

OUR LATEST DEVELOPMENT FOR POLYCARBONATE CARDS

LENA

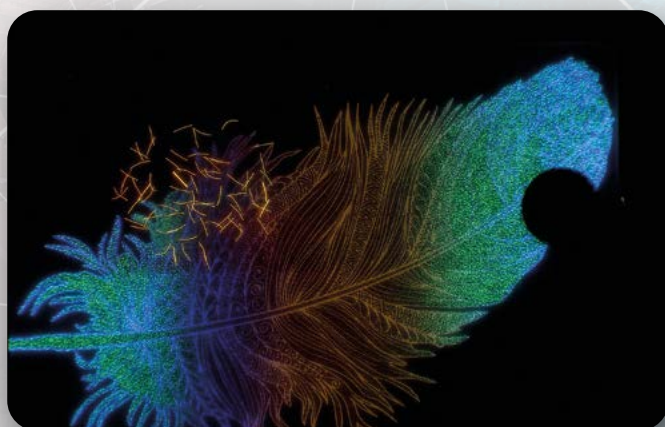


The transparent window can be considered a security feature as it is, but it opens space for placing other security features.

The print is invisible both in normal and UV light. But its presence can be very easily checked by placing the window onto a simple copy paper and illuminating it with a simple UV lamp. The printed design becomes clearly visible as a dark image. This provides the simplicity of checking like a usual second level device. Meanwhile, it is deeper hidden than a usual fluorescent print for example.

Security fibres in polycarbonate

The position of the security fibres is determined within the layers of the card. The fibres are fixed to the foil while its laminating. The specific area of the surface containing the fibres is around 3 cm², the quantity of the fibres is from 3 to 15 pieces per card with random distribution.



Front side

Daylight



UV-A

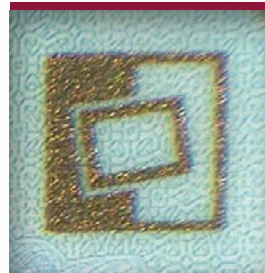


UV-B





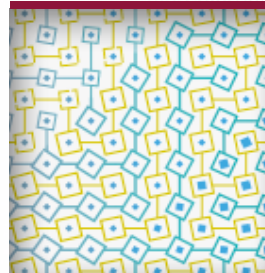
Photo
protecting
transparent
hologram



Optically
variable print
combined with
up-converting
feature



Guilloche with
line thickness
modulation



Modulated
linework
pattern



UV graphics
built up from
micro-sized
elements



Braille



Embossed
and debossed
tactile script

Rear side

Daylight

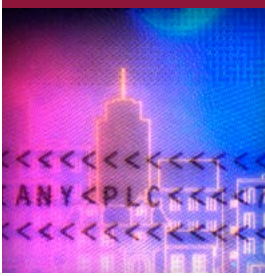


UV-A

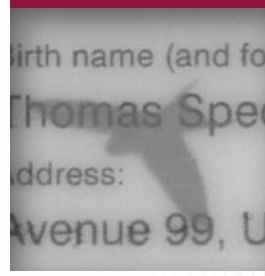


UV-B





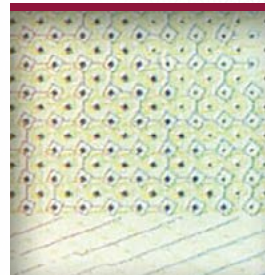
UV rainbow
printing



Invisible IR
absorbing
image

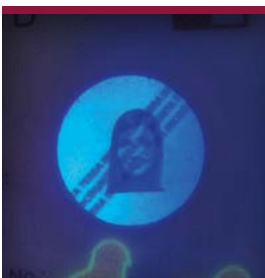


ANYlyser
Fast spectrum
analysis



Line width modulation

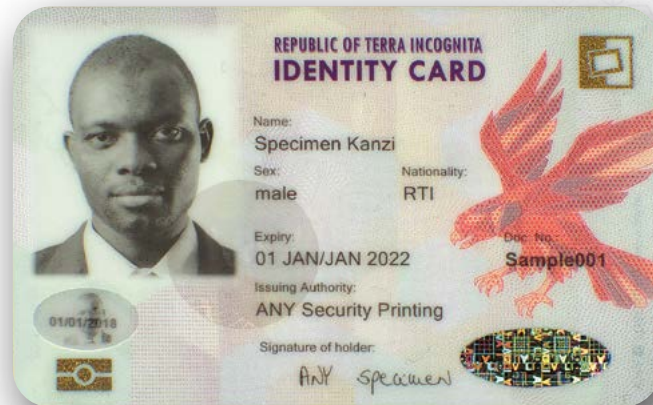
Lines with different line widths protect documents against professional counterfeiting



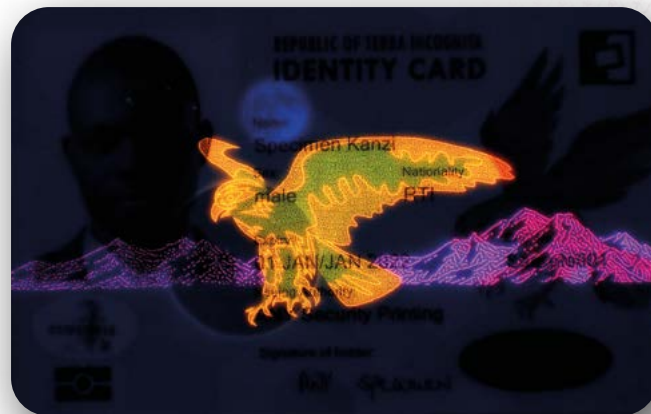
Window with
LENA feature

Front side

Daylight

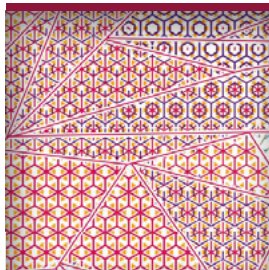


UV-A

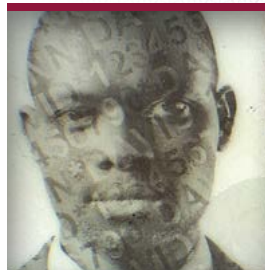


UV-B



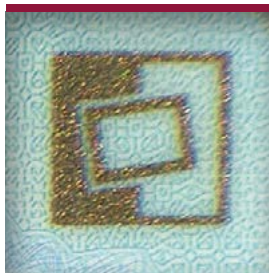


3 colour
interconnected
hexagonal
linework pattern
with shape
and thickness
modulation

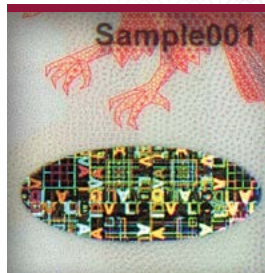


JURA IPI™

*Hidden personal
data in the photo*



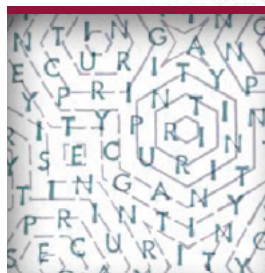
Optically
variable print
combined with
up-converting
feature



Metallised
hologram



CLI/MLI feature



Waving microtext
with thickness
modulation

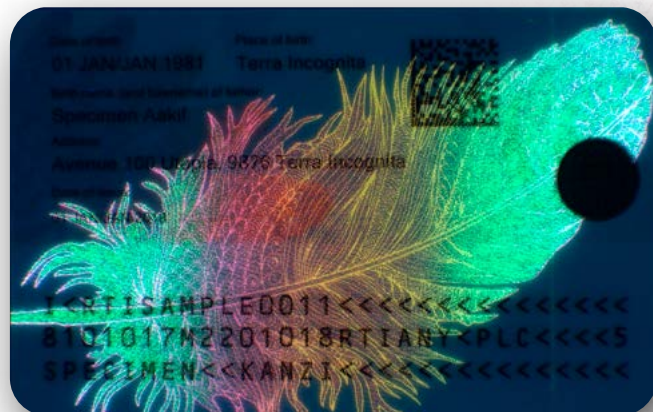


Rear side

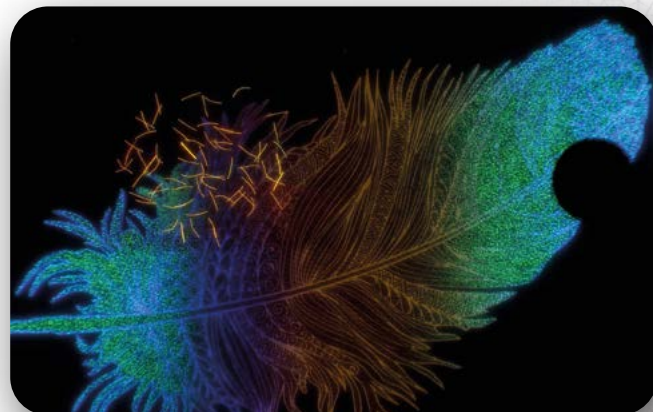
Daylight



UV-A

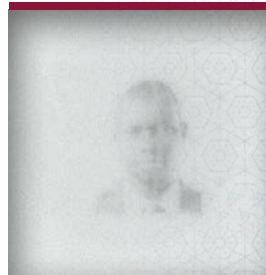


UV-B



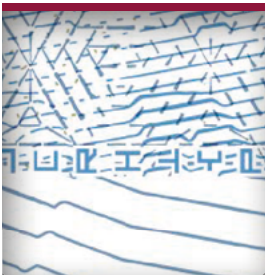


Colour
changing print

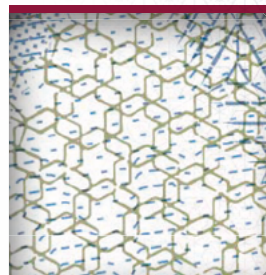


Hidden ghost image

*Invisible image under the
colour-changing print,
verifiable by IR cameras*



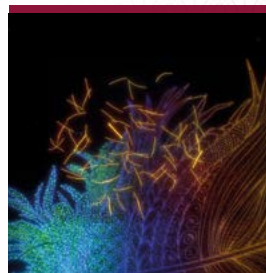
Microtext with
rotating letters



Hexagonal linework
pattern with size
modulation, line
thickness modulation
and Engraving-style
dashing



Invisible IR
absorbing
image



Security fibres

ANY Security Printing Company PLC

About the Company

ANY Security Printing Company PLC was founded in 1851. The Company is one of the leading security printing companies and an identity solutions provider in the Central Eastern European region. Its head office is located in Budapest, Hungary. With more than 1000 employees in 4 countries at 9 premises, its goal is to make people's everyday life more secure and more comfortable. The Company's shares have been listed on the Budapest Stock Exchange in the premium category since 2005.

ANY does not only produce documents, it also provides secure person identification, innovative product identification and data logistics in large volumes.

The Company specialises in providing products and solutions for state administrations. These products and solutions for governments are varying in numerous fields: identity cards (e.g. residence permit, refugee card, driving licence, student card, voter's card), paper-based documents (e.g. breeder document, election forms), documents for person identification (e.g. passport, visa) and other official documents as well as vouchers and excise and tax stamps. ANY offers modular products and complex services in the process of document issuing. Its references, special technology, security preparedness, more than 170 years of experience and 11 domestic and international certificates guarantee that it can offer the best possible products for its Customers.

References

- Hungarian electronic identity card
- Sri Lankan ID card, driving licence
- Hungarian ePassport
- Vanuatu passport
- Driving licences in more than 4 countries
- European and Ghanaian health insurance card
- Schengen (for 3 countries) and Guinean, Cameroonian, Angolan visa stickers, Ivorian diplomatic visa
- Hungarian, Ivorian and Yemeni excise, tax and revenue stamps
- EU residence permit
- Election forms in 3 countries
- Vouchers for Sodexo Group
- Norwegian and Burundi vehicle registration certificate
- Georgian sea services book, seafarer's documents

Domestic and international certificates

- certified bidder and securities producer of Hungary
- authorised supplier to NATO (up to NATO "Secret" level)
- Industrial Security Clearance up to NATO and EU "Secret" level, system licence for classified data management
- Industrial Security Clearance up to national "Strictly confidential" level, system licence for classified data management
- ISO 9001 quality management system certificate
- ISO 14001 environmental management system certificate
- ISO 27001 information security certificate
- ISO 14298 certificate (Central Bank level, Governmental level)
- ISO 45001 occupational health and safety management system certificate
- AQAP 2110 certificate
- MasterCard Card Quality Management certificate

Value-added services

- decades of experience in document production and issuing
- special inks and additives, printers and control devices developed by ANY
- full lifecycle management of issued documents
- know-how transfer



Our products are manufactured using cutting-edge technology coupled with our staff's innovative professional knowledge. Our references, special technology and security preparedness guarantee that we can offer the best possible product for our customers. Please do not hesitate to contact our colleagues if you have questions.

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