

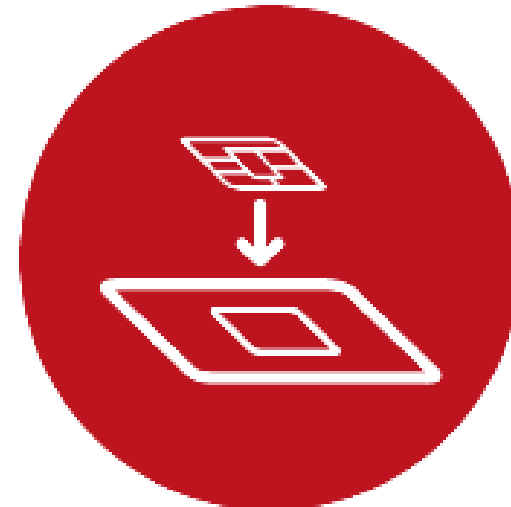
Securing Chipless Documents

Frank Schmalz

Director Innovation and Business Development

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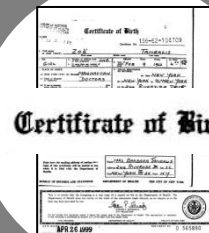
- Secured personalization
- Copy protection
- Clear Forgery Detection
- Easy IT Integration
- Convenient verification



Documents forgers turn to the manipulation of breeder documents

Security chips
give forgers a hard time

Forgers are turning
to breeder documents



In France 500,000 to 1 million of the 6.5 million biometric passports in circulation are estimated to be false, having been obtained on the basis of fraudulent breeder documents.

(see e.g. article in "Le Parisien", 19.12.2011)

Veridos integrated the recommendations from the EU FIDELITY project



Project Fidelity
funded by the
European
Commission



Trustworthy lifecycle
management for
public documents

Our approach secures from the start

BIRTH CERTIFICATE

VERIDOS

01. DOCUMENT NUMBER: **UTOVD0010000001**

02. SURNAME OF THE CHILD: **Sample**

03. FORENAMES OF THE CHILD: **Maria**

04. DATE OF BIRTH: **29.04.2016**

05. SEX OF THE CHILD: **F**

06. PLACE OF BIRTH: **Munich**

07. SURNAME OF THE FIRST PARENT: **Sample**

08. FORENAMES OF THE FIRST PARENT: **Anna**

09. BIRTH NAME OF THE FIRST PARENT: **Schmidt**

10. SEX OF THE FIRST PARENT: **F**

11. SURNAME OF THE SECOND PARENT: **Sample**

12. FORENAMES OF THE SECOND PARENT: **Peter**

13. BIRTH NAME OF THE SECOND PARENT: **-**

14. SEX OF THE SECOND PARENT: **M**

15. NAME OF THE ISSUING AUTHORITY: **Standesamt Mitte III**

16. DATE OF ISSUANCE: **29.04.2016**

17. PLACE OF ISSUANCE: **Berlin**

18. DATE OF BIRTH OF THE FIRST PARENT: **04.01.1964**

19. PLACE OF BIRTH OF THE FIRST PARENT: **Augsburg**

20. CITIZENSHIP OF THE FIRST PARENT: **UTOPIAN**

21. CREDENTIAL NUMBER OF THE FIRST PARENT: **D0075XFG67**

22. DATE OF BIRTH OF THE SECOND PARENT: **10.12.1965**

23. PLACE OF BIRTH OF THE SECOND PARENT: **Stuttgart**

24. CITIZENSHIP OF THE SECOND PARENT: **UTOPIAN**

25. CREDENTIAL NUMBER OF THE SECOND PARENT: **D00468GETR7**

26. NAME OF THE ISSUING OFFICER: **Klaus Müller**

27. BIRTH PLACE ADDRESS: **Zentralkrankenhaus, Gartenweg 17, 90451 München**

28. TIME OF BIRTH: **14:42**

29. SECONDARY IDENTIFICATION NUMBER: **A987654343**

30. SIGNATURE: *[Handwritten Signature]*

31. STAMP:

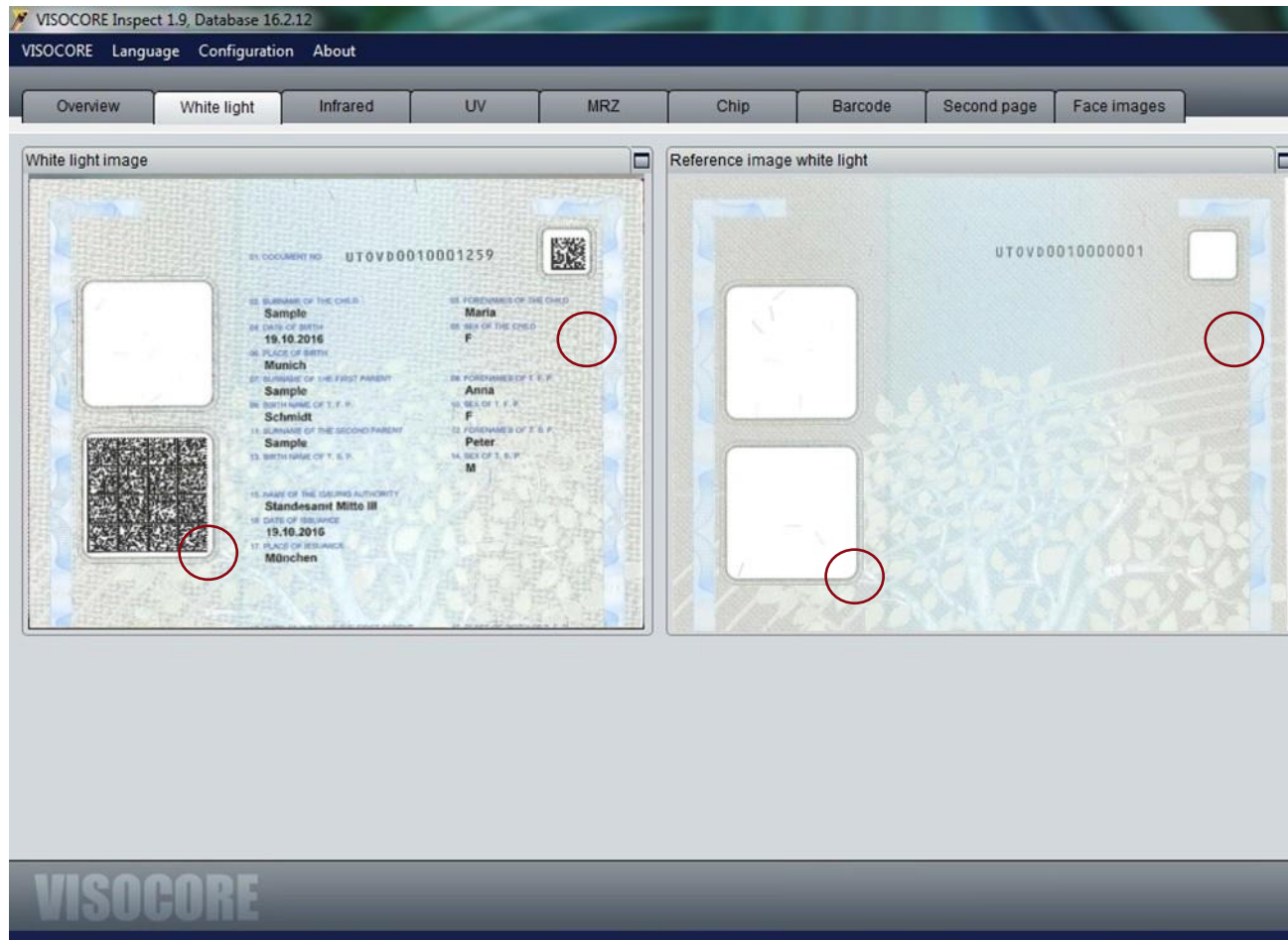
VERIDOS

Enables Machine based Feature Verification

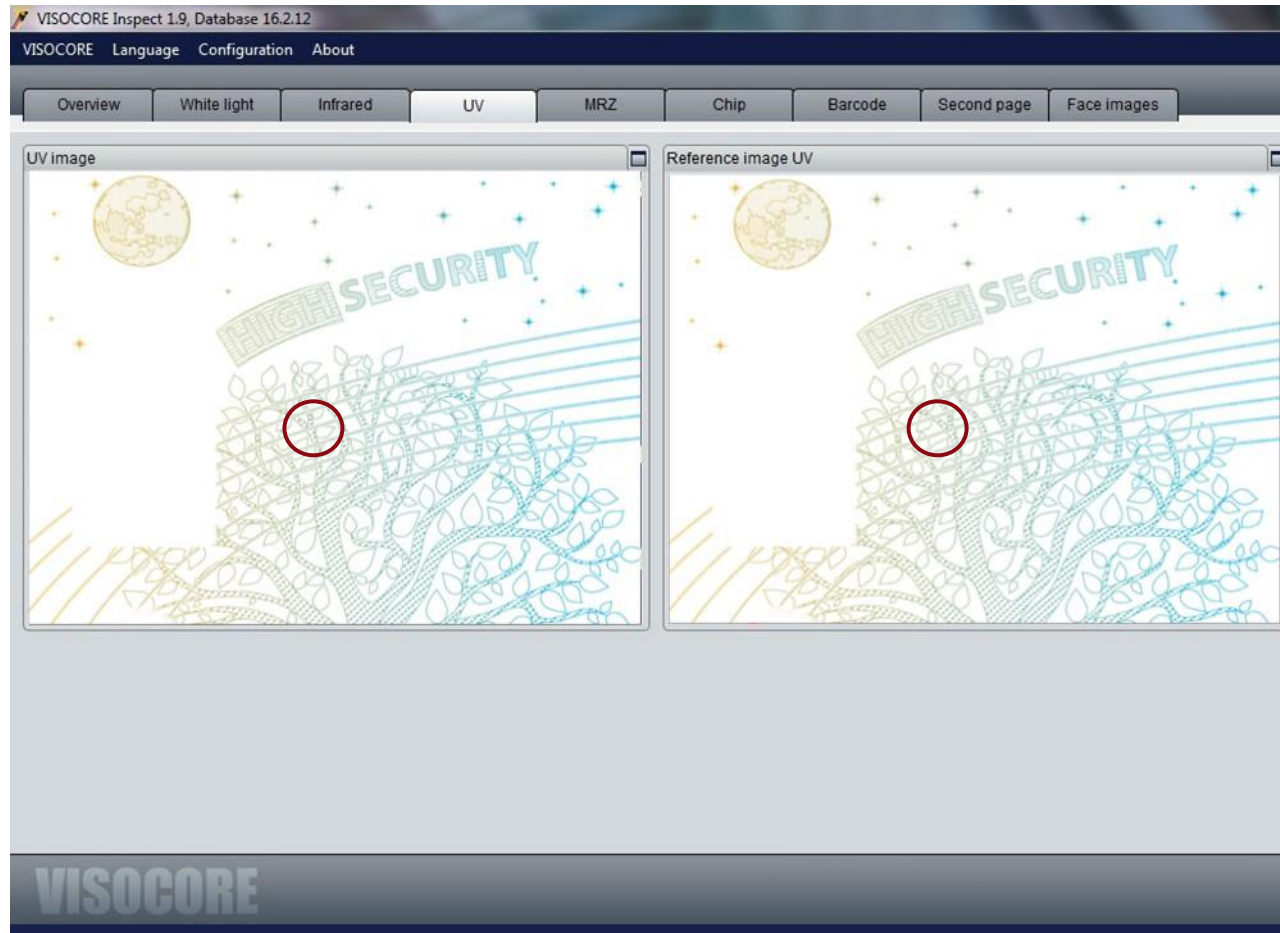


- Enables automated feature recognition by ePassport readers
- Software compares document images against reference images
- Enables personalization data verification

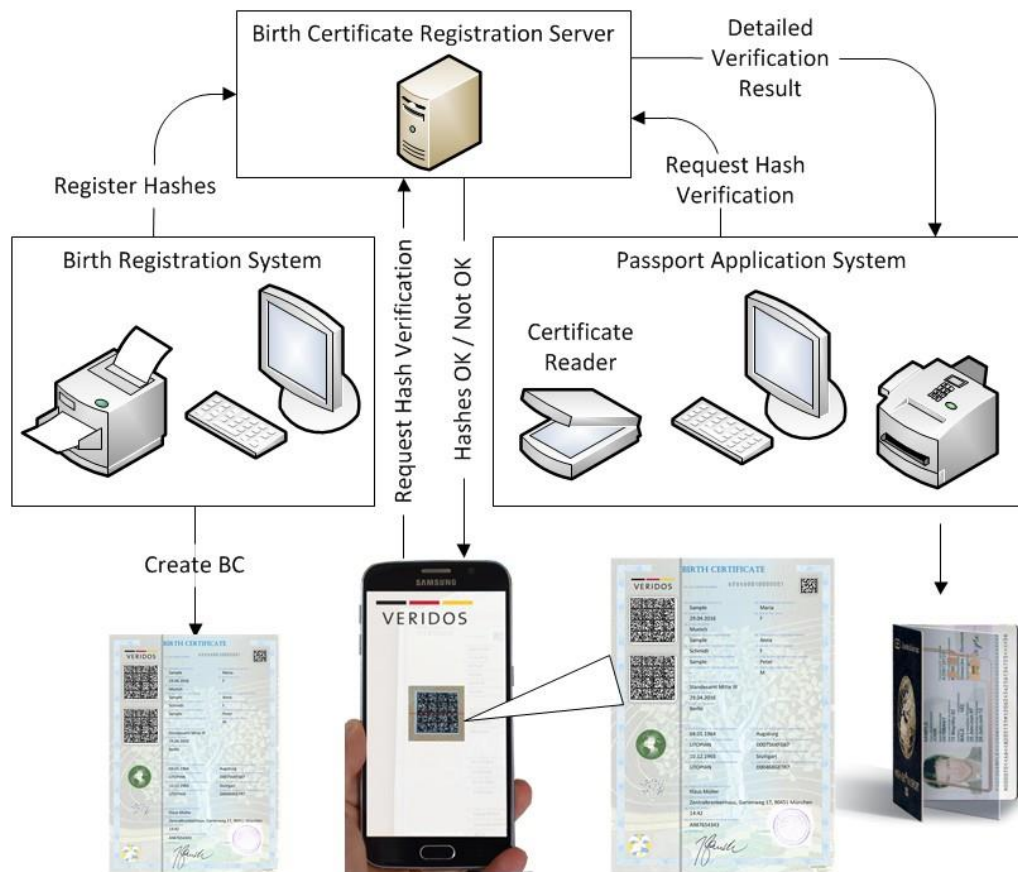
Machine based Feature Verification Feature Recognition in Visible Light



Machine based Feature Verification Feature Recognition in UV Light



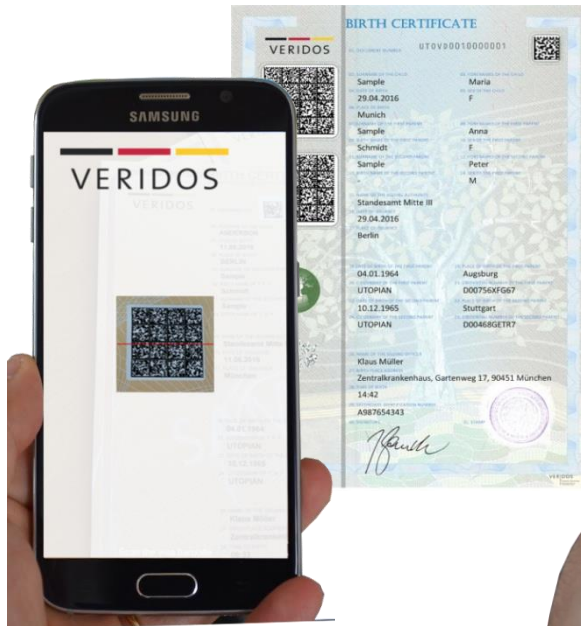
We offer the whole document lifecycle for birth certificates - The IMAGO solution



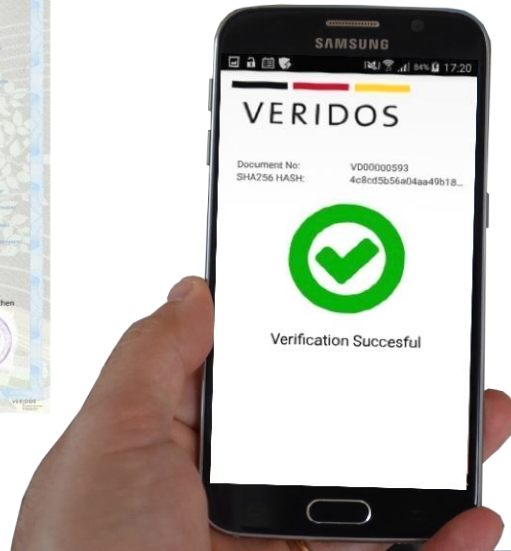
- Our software transforms data into 2D barcode and prints final document
- Our passport reader can read and verify the signature & check security features

With our smartphone app we simplify document verification

1.



2.



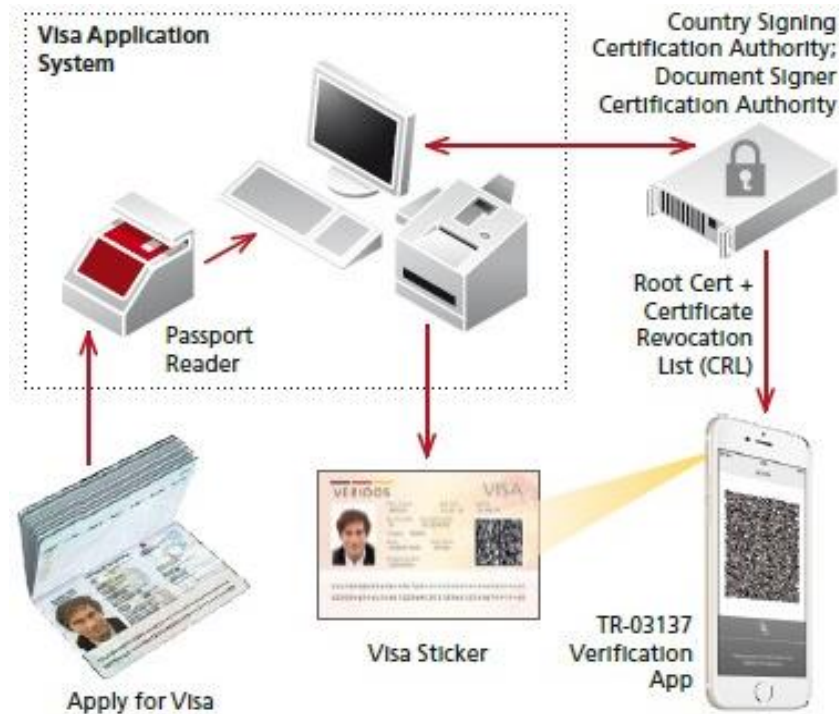
3.



Our solution offers a lot of advantages

- ✓ Long term security for breeder documents
- ✓ No reliance on short-term chip security or PKI
- ✓ Cost-effective
- ✓ Easy IT system integration
- ✓ Easy to store additional information on the sever
- ✓ No smartphone MRZ reading required

We offer the whole document lifecycle for visa stickers - The IMAGO solution



- Our software transforms data into 2D barcode and prints final document
- Our passport reader can read and verify the signature & check security features

Our solution offers a lot of advantages

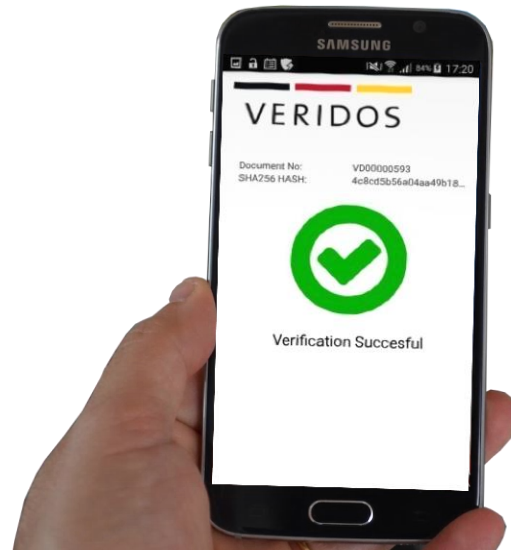
- ✓ Secures visa sticker personalization
- ✓ Reuse of ePassport PKI possible
- ✓ Cost-effective
- ✓ Easy IT system integration
- ✓ Offline verification possible
- ✓ No smartphone MRZ reading required

With our smartphone app we simplify document verification

1.



2.



3.



Thank you for your attention!



Visit us at our Booth 11

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