

De La Rue Identity Systems



DeLaRue

ALL THE PROOF YOU NEED

Design Excellence

ICAO Symposium, September 2011

Dr Matthew Sugdon

Materials Development Manager



Design



DeLaRue



Extraordinary Design



DeLaRue



Some Numbers



DeLaRue

40

150

25

4

SEVEN

12

30

$1/2$

5

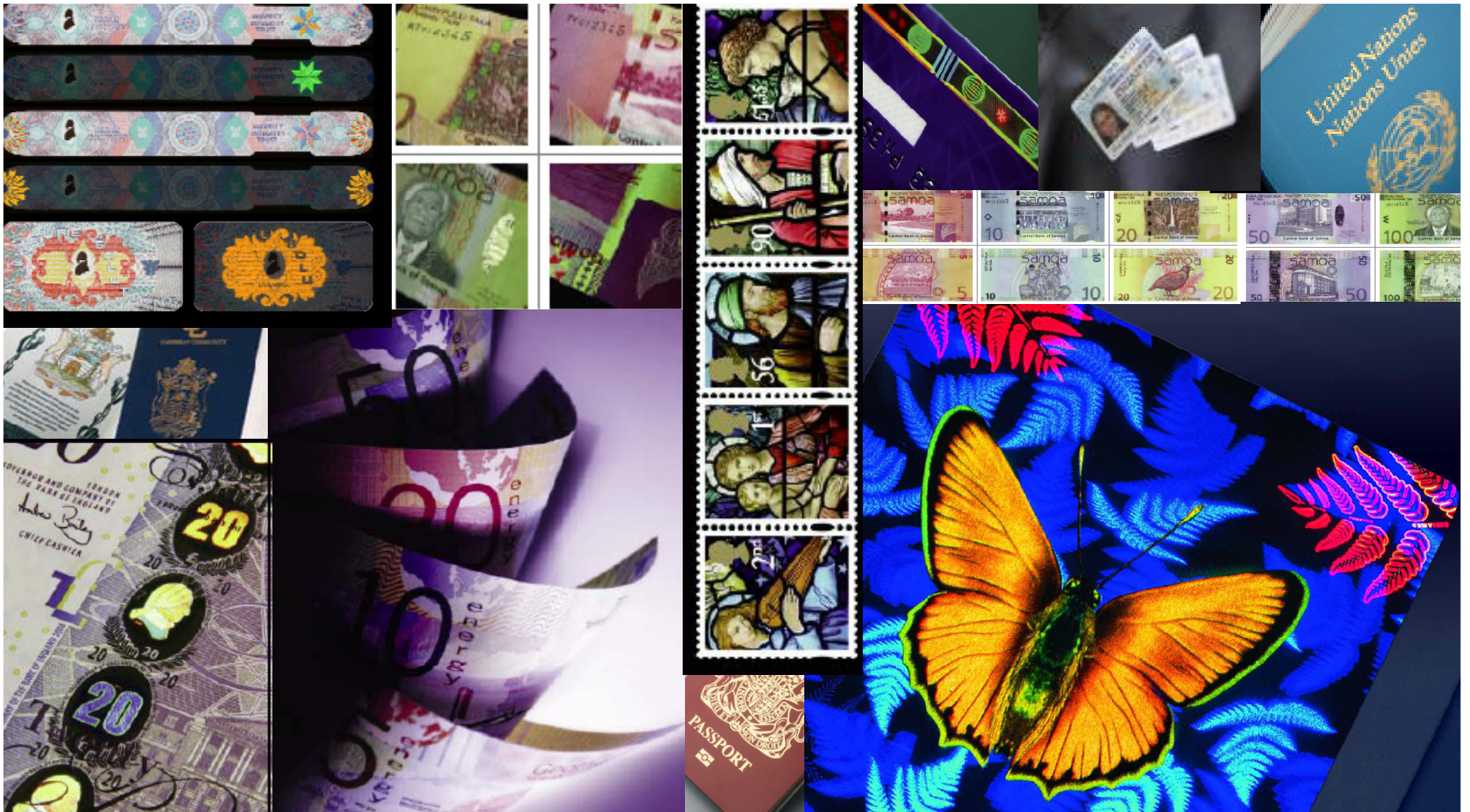
36

2

The Design Experts



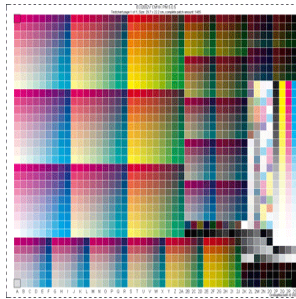
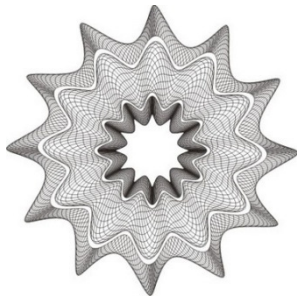
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Design Realisation



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**Design
Concept**

**Design
Origination**

**Print
Origination**

Proofing

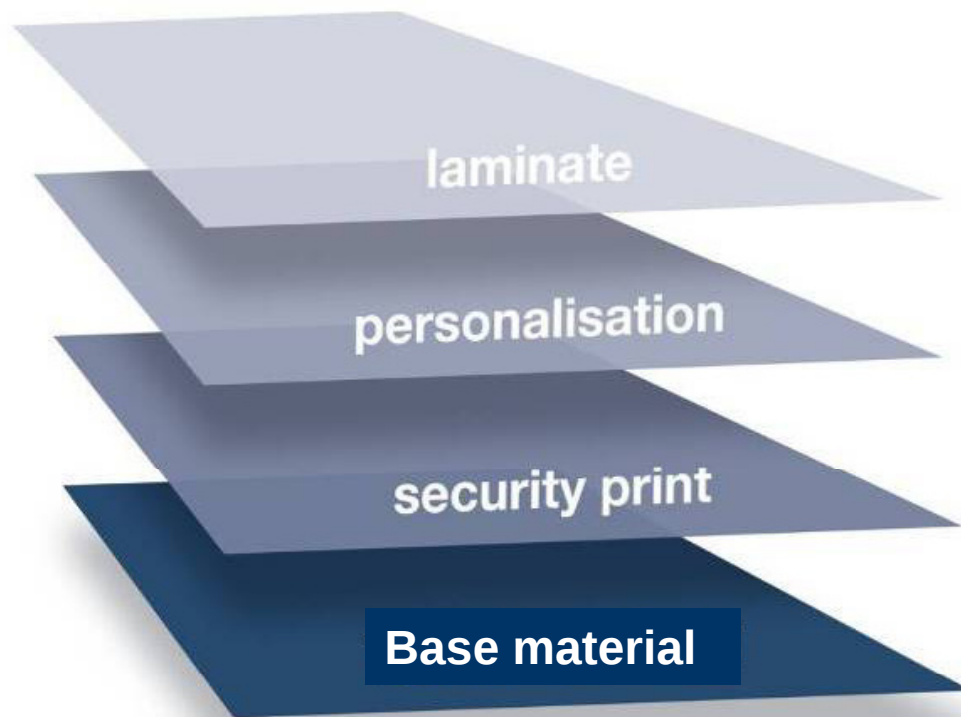
Production

Delivery

Layering of Features



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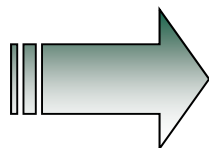
Understanding the Threats



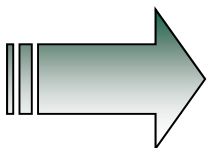
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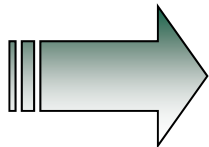
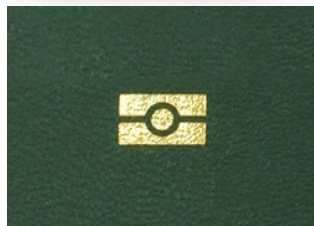
Threat Analysis



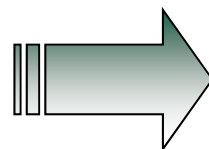
Counterfeit
Dismantle & re-assembly
State sponsored activity
Stolen books



Alteration of the bio-data page
Re-use of a visa page as a bio-data page
Removal of bio-data page

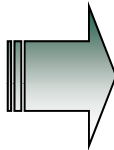


Access to chip through cover / inlay
Removal of end paper
Replacement of the chip
Intentional damage to the chip



Counterfeiting
Lifting
Re-use

Security Of The Book



Counterfeit



✓
Fine line Guilloche
Microtext
Watermarks
Optically variable inks
Security Fibres

Dismantle & re-assembly



✓
Thread twist
Programmable stitching
Permanent adhesives

State sponsored activity

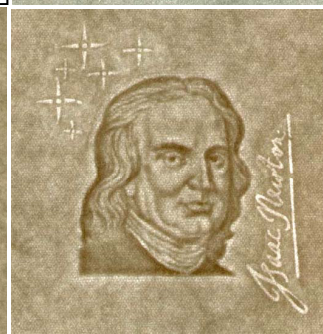
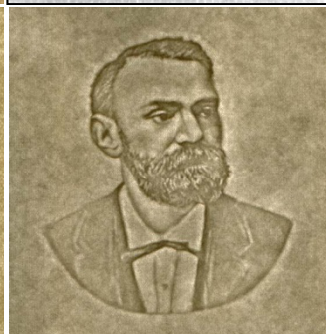
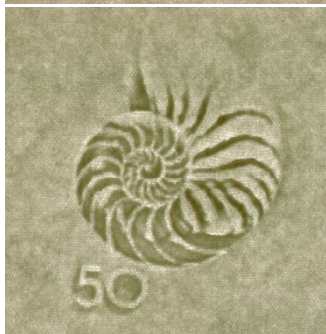
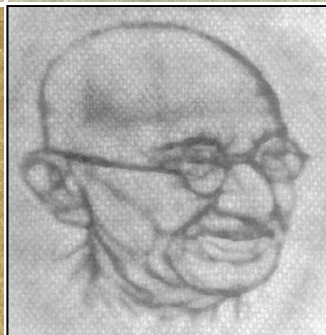
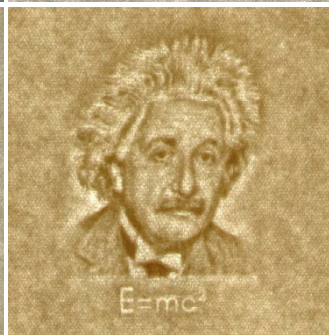
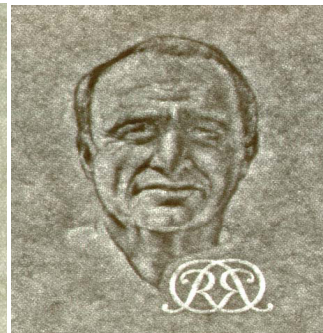
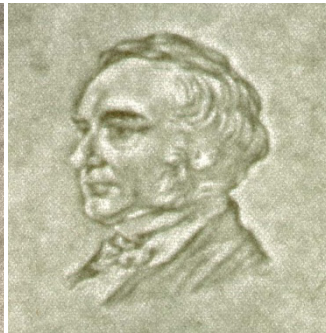


✓
Deliberate mistakes
Unique taggants
Unique codes

Cylinder Mould Watermarks



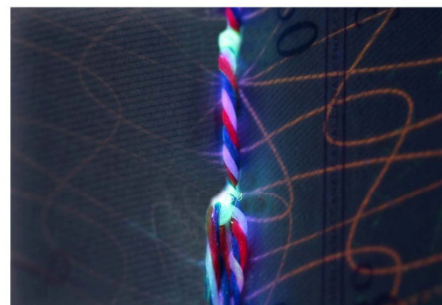
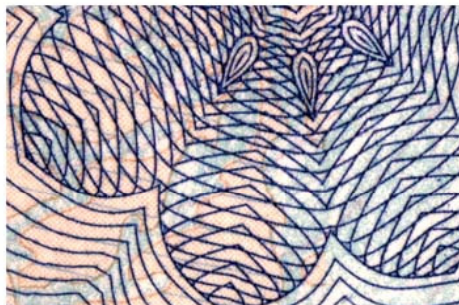
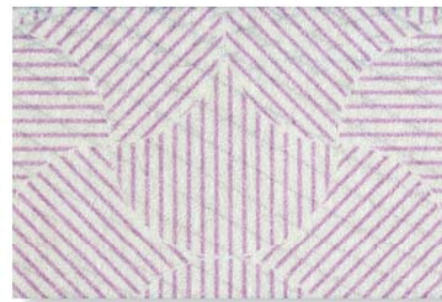
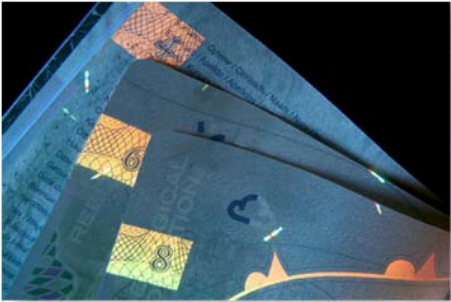
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Security Print Features



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Integrated Designs



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Thank you for listening

For more information please do come visit us

Watch the animations
Feel the samples
Talk to our experts

Stand 4 & 5



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