



Durability and Security  
4Notes



DURABLE SOLUTIONS

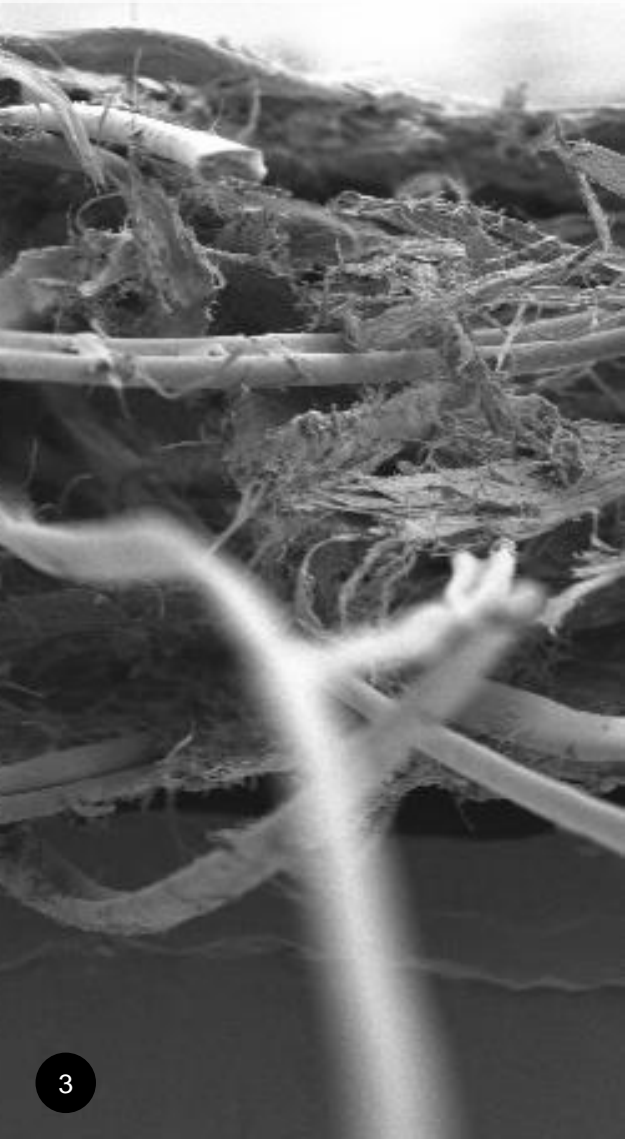
CREATIVE APPROACH

INK SOLUTIONS

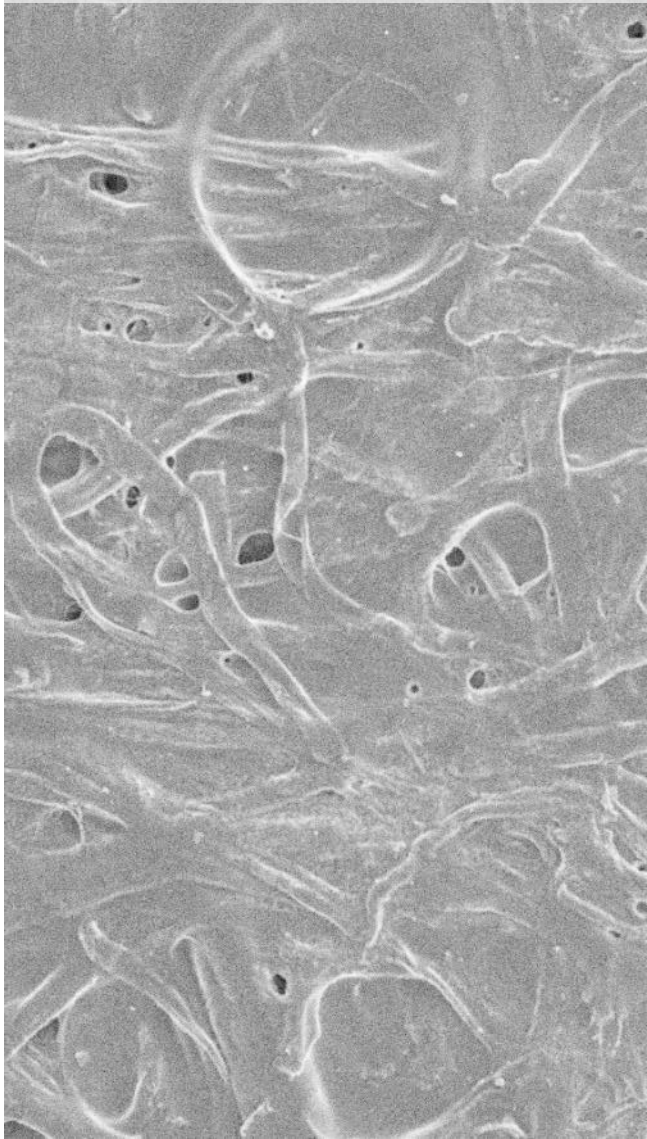
INNOVATION THROUGH COOPERATION



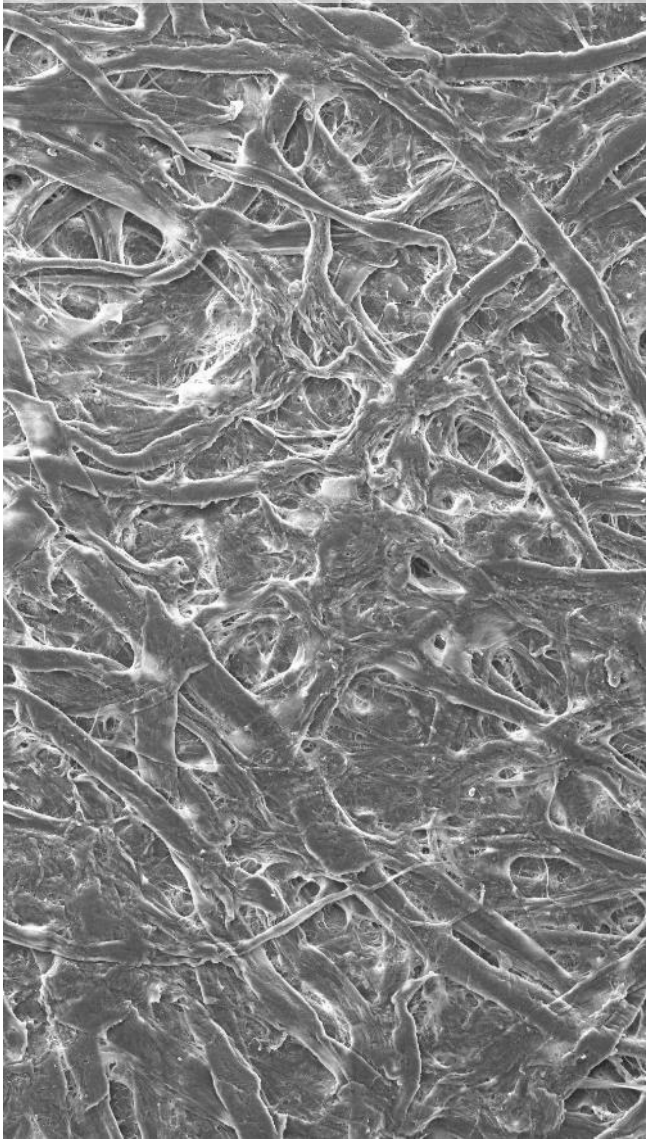
Fortis®  
Composite



Fortis®  
Pro



Fortis®  
ABC



Coat4Note®



# Fortis® Composite

Mixture of fibers

## HOW DOES IT WORK?

Addition of special synthetic fibers to paper pulp, during paper production, ensures significant increase in mechanical durability.

# Fortis® Pro

Pre-print coating

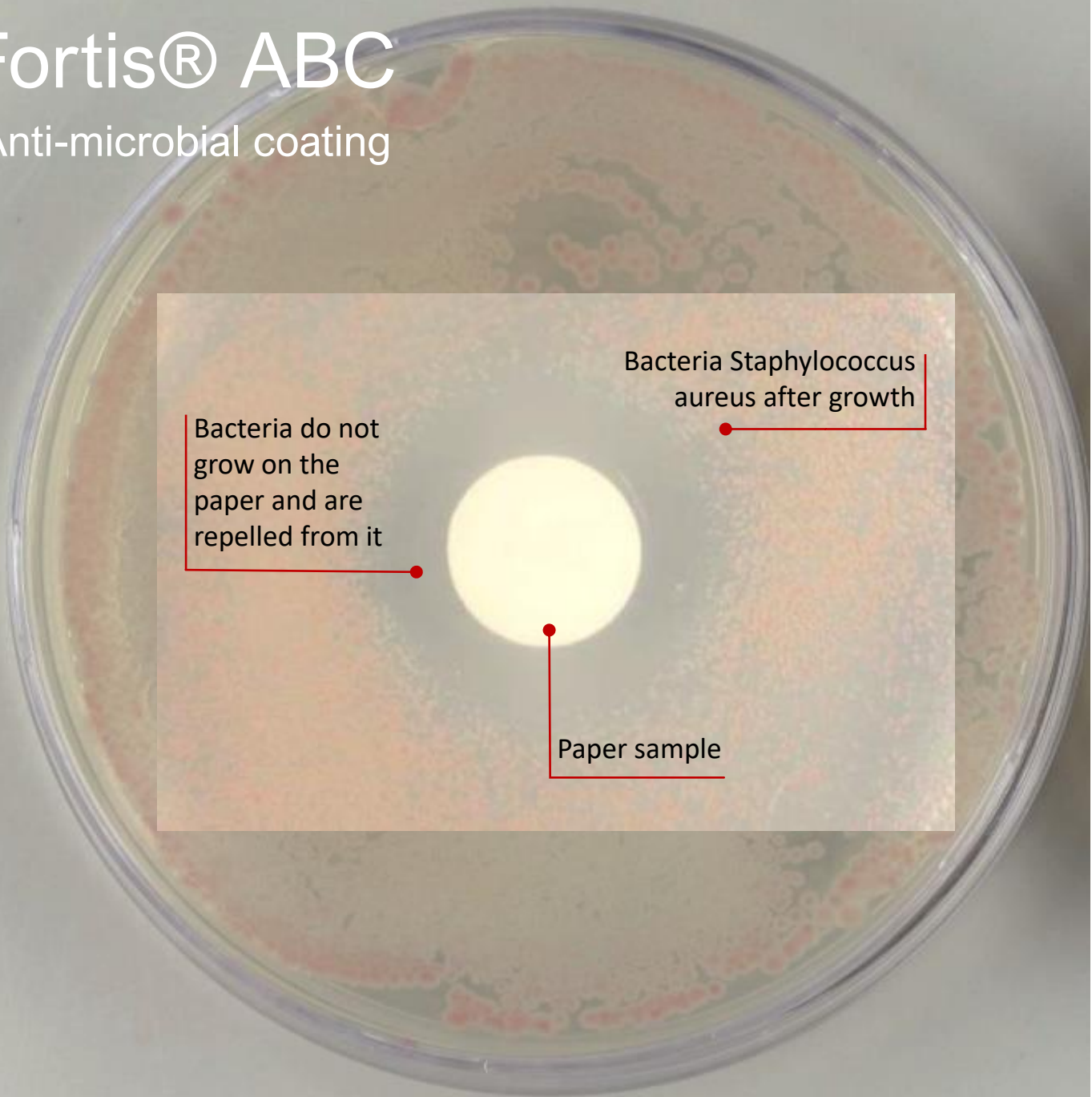
## HOW DOES IT WORK?

Special coating applied during paper making process makes the structure resistant to soiling and accidental washing.



# Fortis® ABC

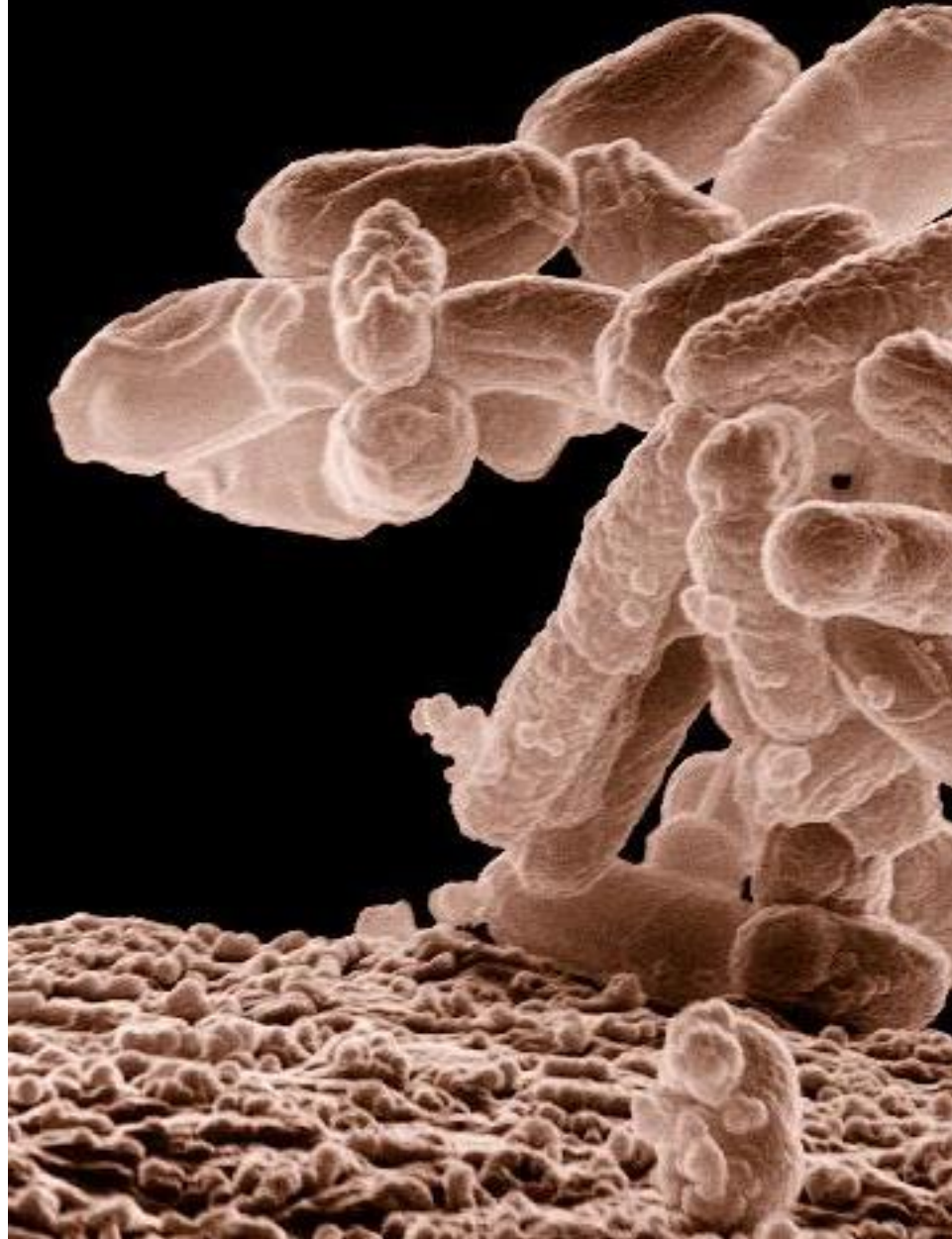
Anti-microbial coating



Bacteria do not grow on the paper and are repelled from it

Bacteria *Staphylococcus aureus* after growth

Paper sample



# Coat4Note®

Banknote protecting varnish

## HOW DOES IT WORK?

Cationic based, flexographic, banknote grade protecting varnish applied as last printing proces.



# INK SOLUTIONS

Iris4Note®



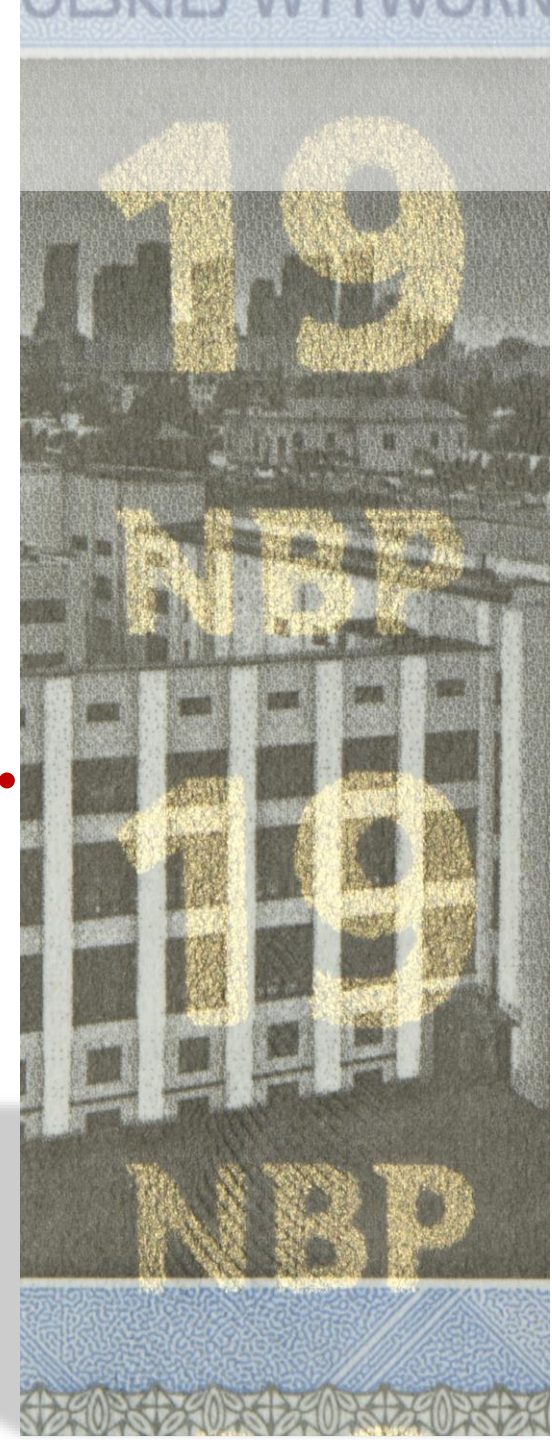
Water-base iridescent inks



# 2019 – 100th Anniversary of the PWPW



# 2019 – 100th Anniversary of the PWPW



# INK SOLUTIONS

## ChromAngle4Note®

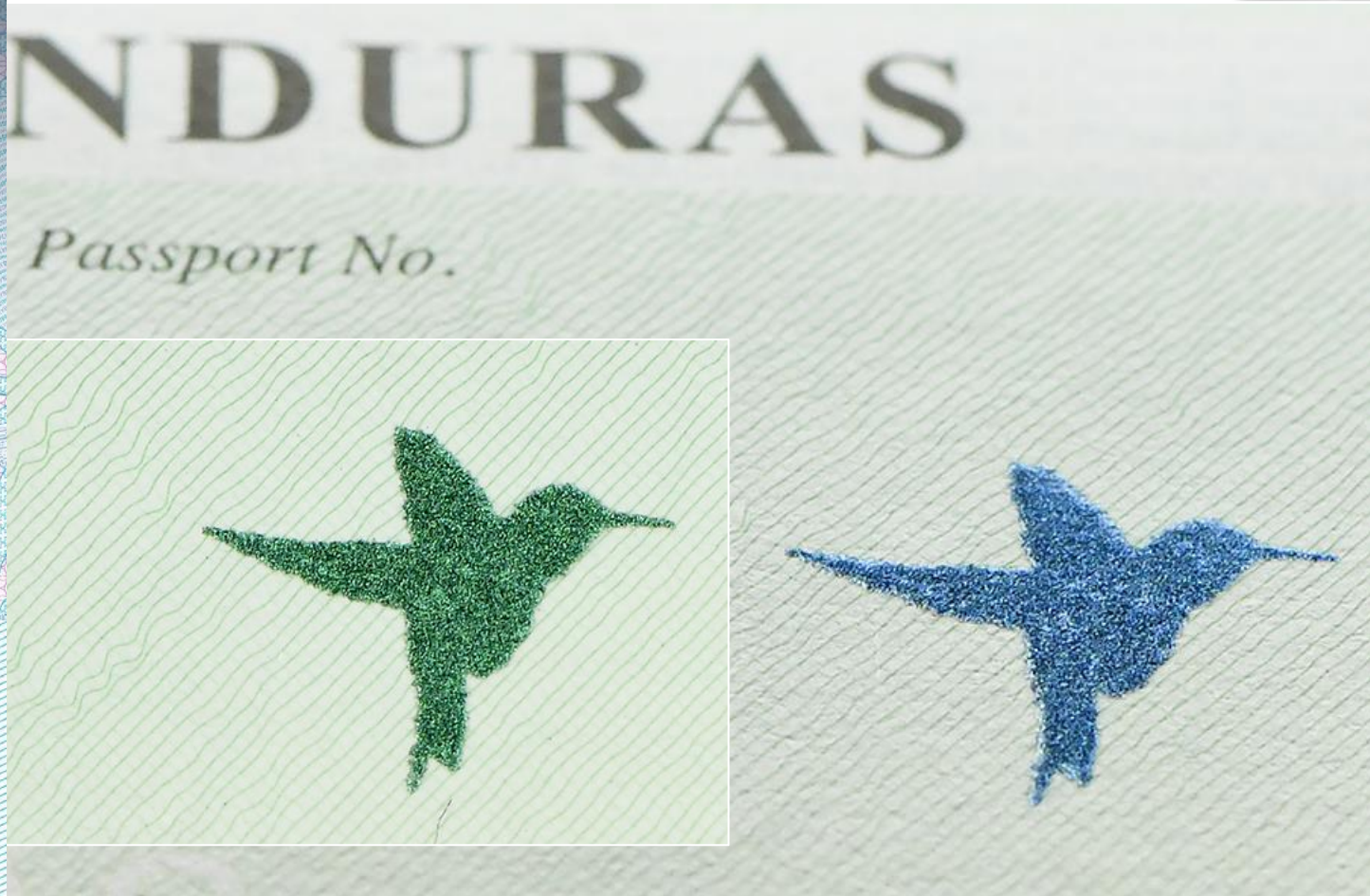
Color-shifting inks



# INK SOLUTIONS

ChromAngle4Note®

Color-shifting inks

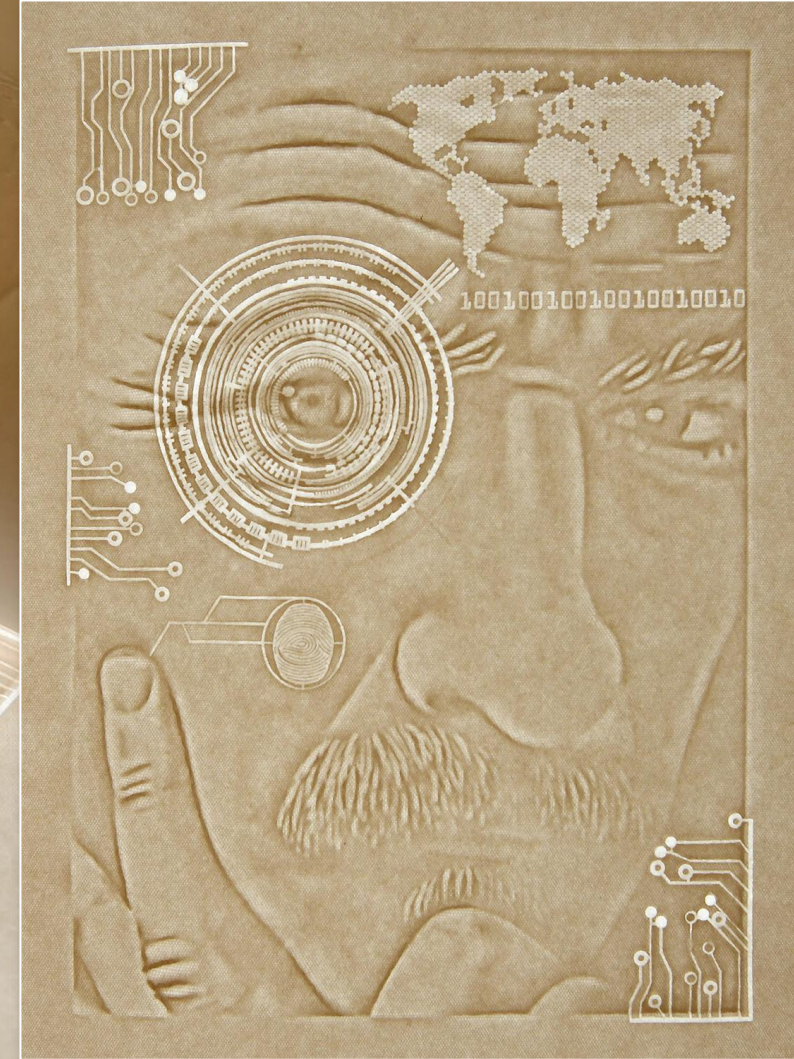


# 2020 – Battle of Warsaw 1920



# CREATIVE APPROACH

## Watermarks



# CREATIVE APPROACH

Multihexa®

Unique filigree  
watermark

# CREATIVE APPROACH

Micro embossing



Hidden information

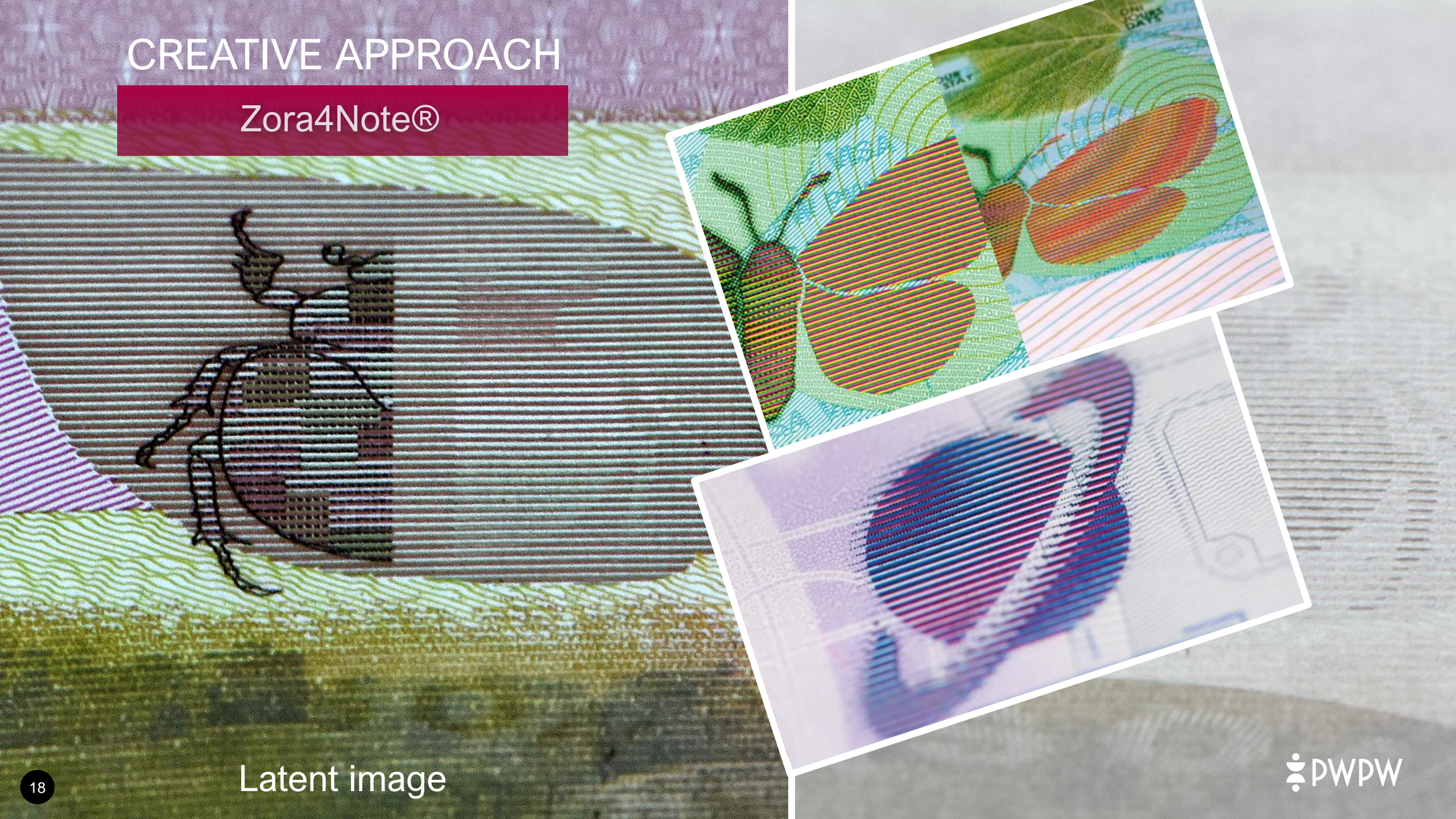
# CREATIVE APPROACH

## Micro embossing



# CREATIVE APPROACH

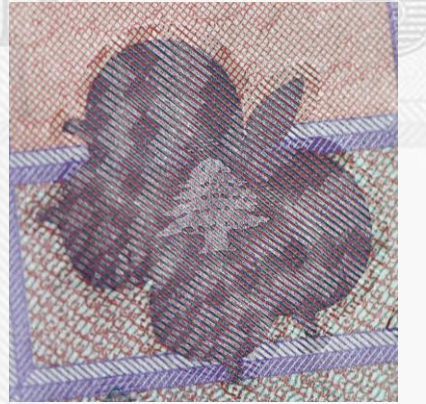
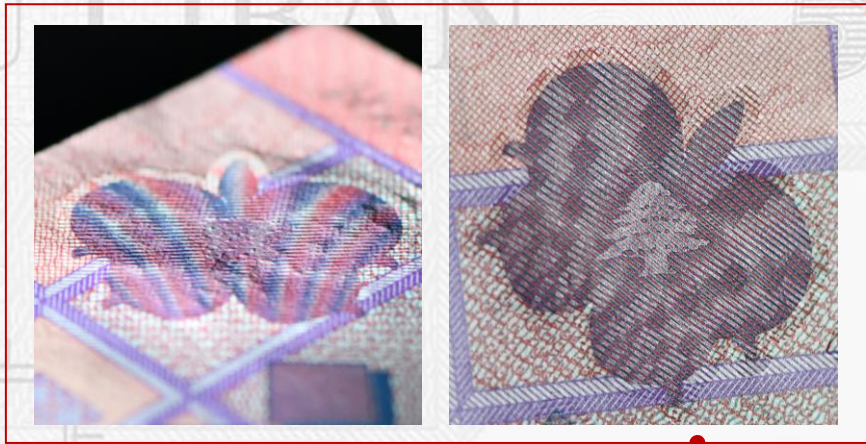
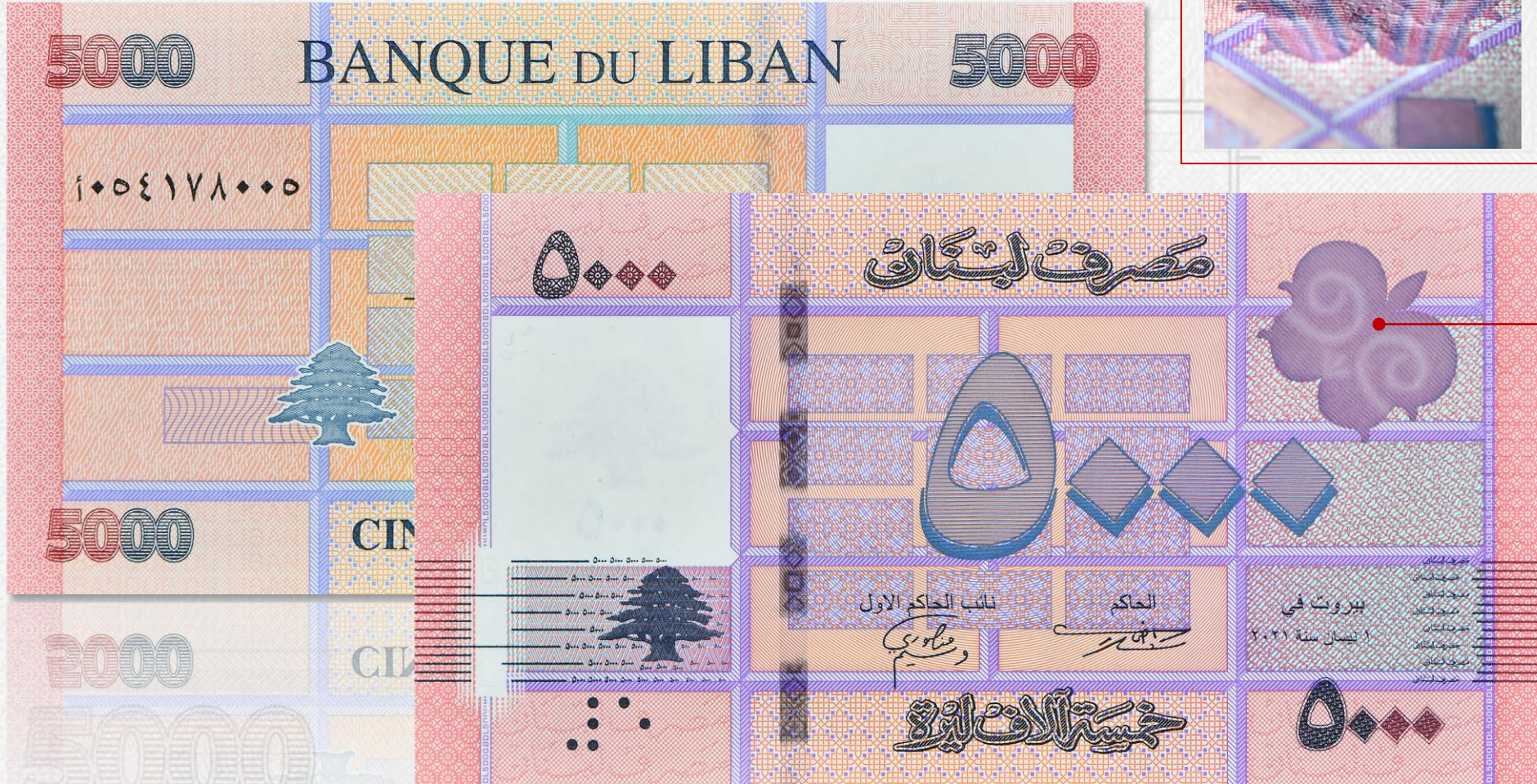
Zora4Note®



Latent image

# CREATIVE APPROACH

Zora4Note®



A0541780

# CREATIVE APPROACH

Mirage4Note®



Latent image



# CREATIVE APPROACH

Mirage4Note®



# CREATIVE APPROACH

Aster4Note®

Latent image



# CREATIVE APPROACH

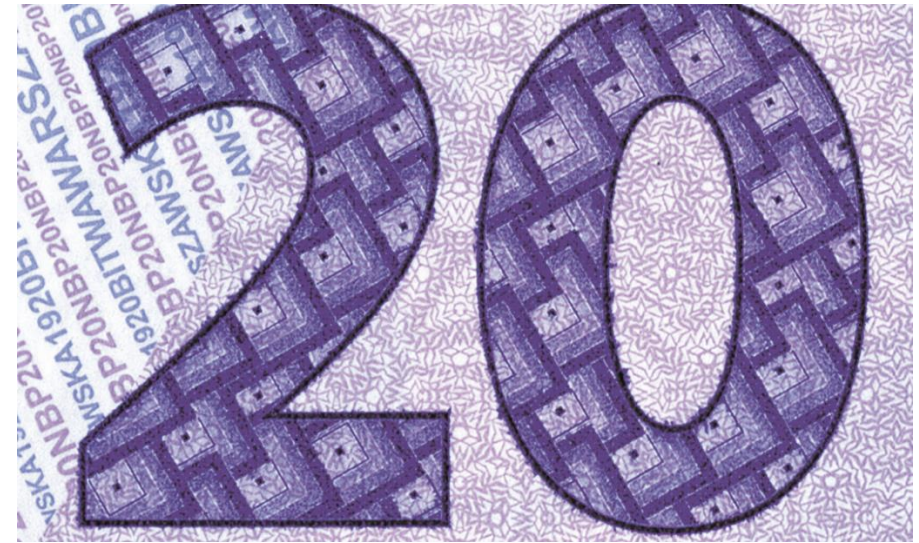
Aster4Note®



# CREATIVE APPROACH

Multi-tone intaglio

Color variations



مئة ألف ليرة

بيروت في  
١ ايلول سنة ٢٠٢٠

# CREATIVE APPROACH

Multi-tone intaglio

مصرف لبنان



نائب الحاكم الاول  
وسلام

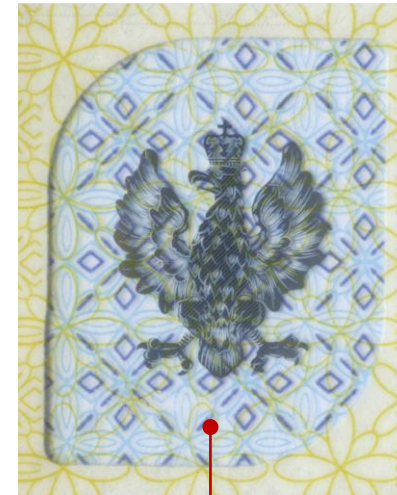
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١ ايلول سنة ٢٠٢٠

مئة ألف ليرة

مصرف لبنان

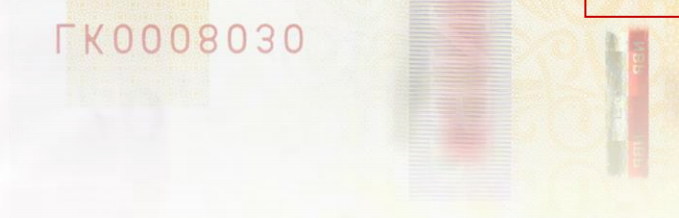
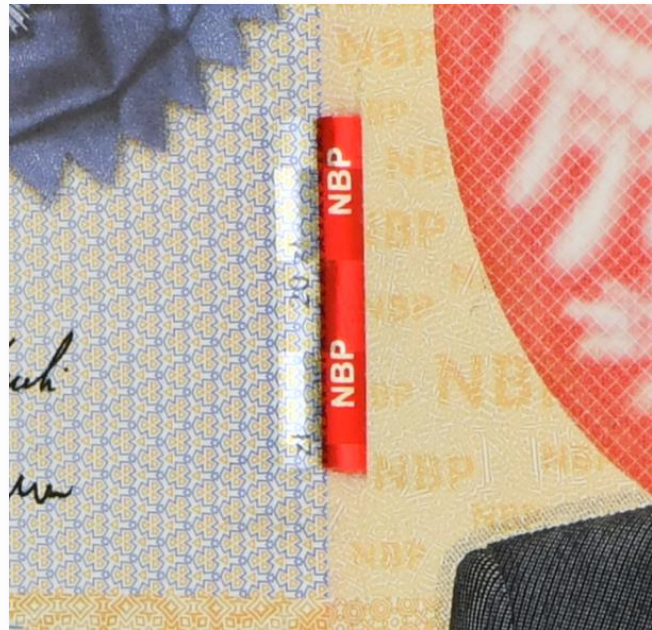
# INNOVATION THROUGH COOPERATION

## PWPW – KURZ - NBP



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## PWPW – KURZ - NBP



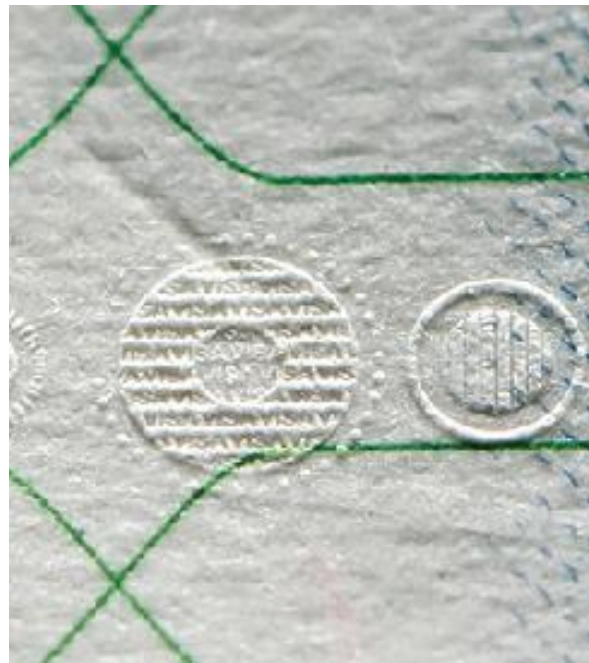
# INNOVATION THROUGH COOPERATION

BANQUE DU LIBAN - PWPW - CCL





POLISH SECURITY PRINTING WORKS



THANK YOU FOR WATCHING

