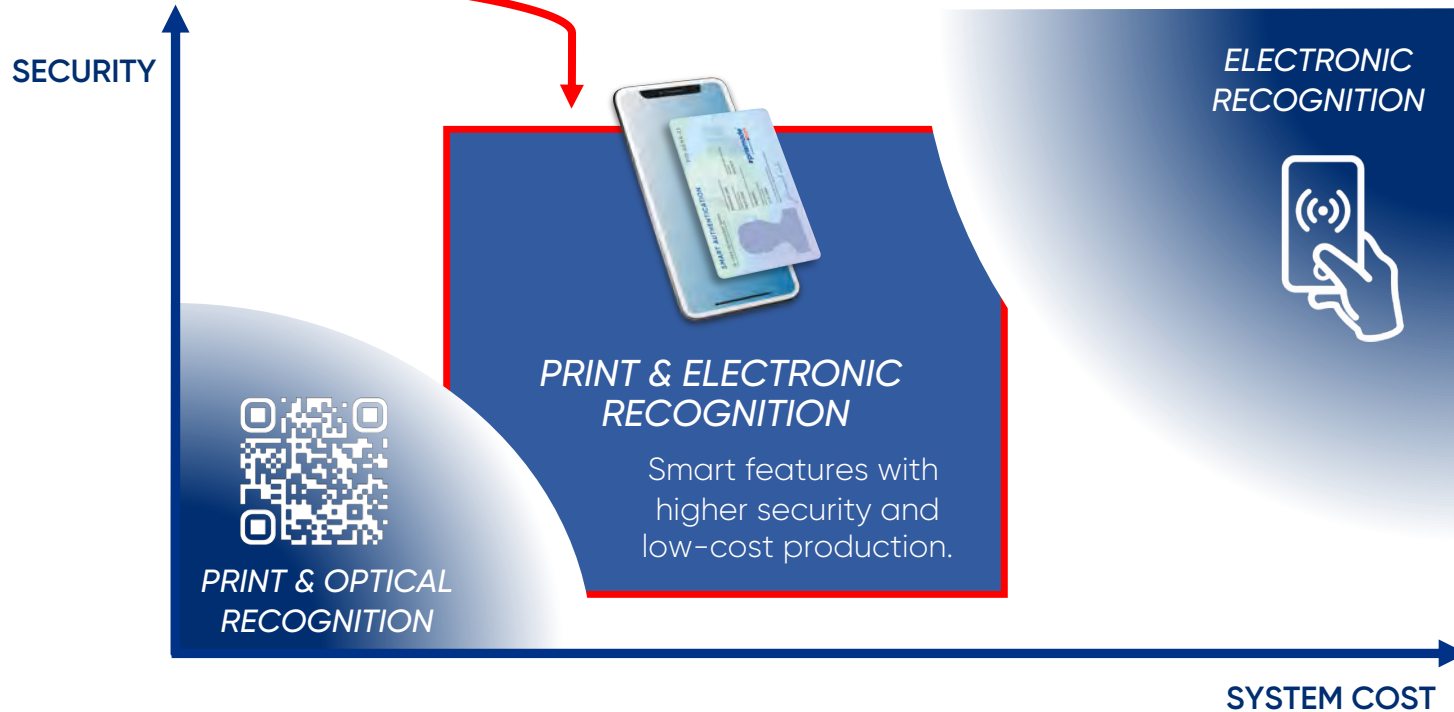


PRINTED SMART DEVICES

 **prismade**[®]
FutureLab of  **edding**[®]

COMPARISON OF DIGITAL TECHNOLOGIES

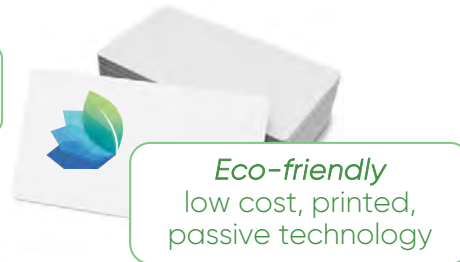
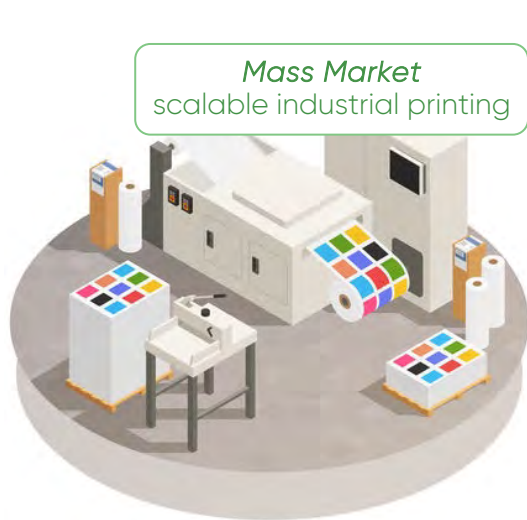
Filling the gap with copy protection and connectivity at low cost for secure documents.



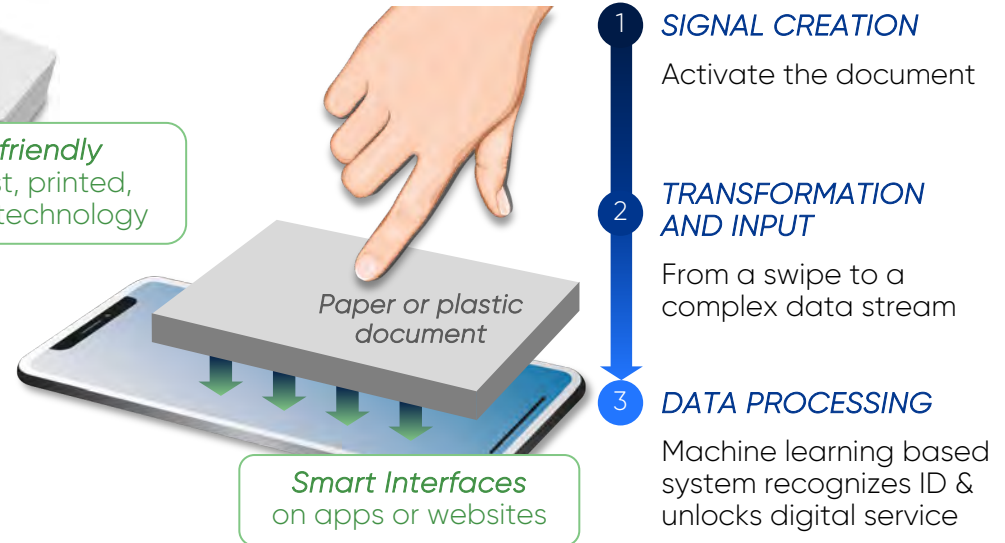
TECHNOLOGY OVERVIEW

Prismade has created, patented and market tested a technology platform at the intersection of printing technology, machine learning and the smartphone eco-system.

Printing functional pattern directly on product



User friendly activation & communication

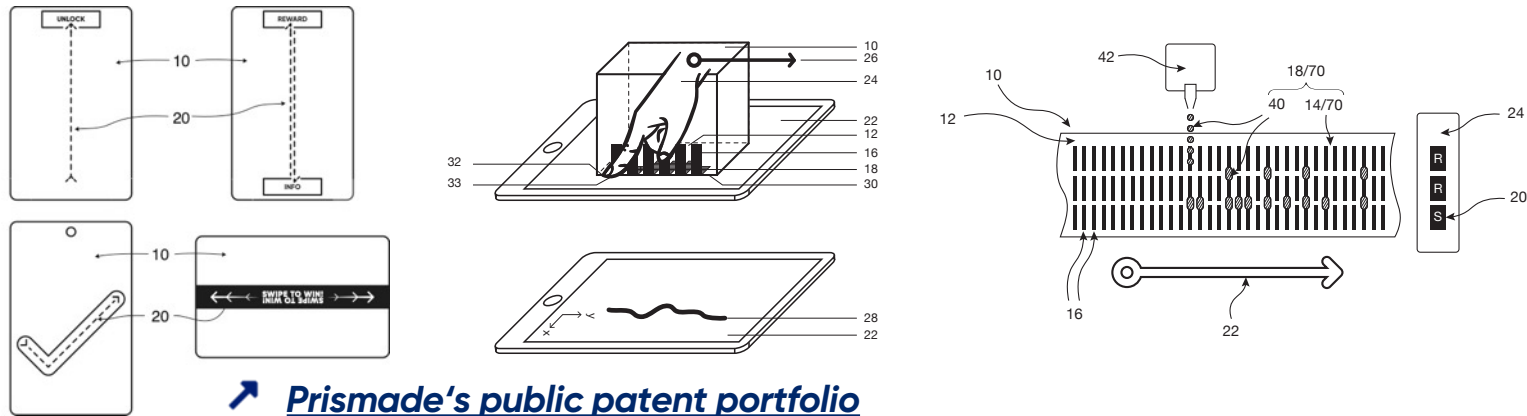


PRISMADE LABS PATENT PORTFOLIO

IP rights in 9 patent families

- ✓ 7 PCT applications (international patent applications)
- ✓ 2 German utility models

The patent applications cover systems, methods and devices at the **interface** between **printed interactive information carriers** or electronically conductive elements and **capacitive sensors** (touch screens of smartphones or proprietary reading devices).





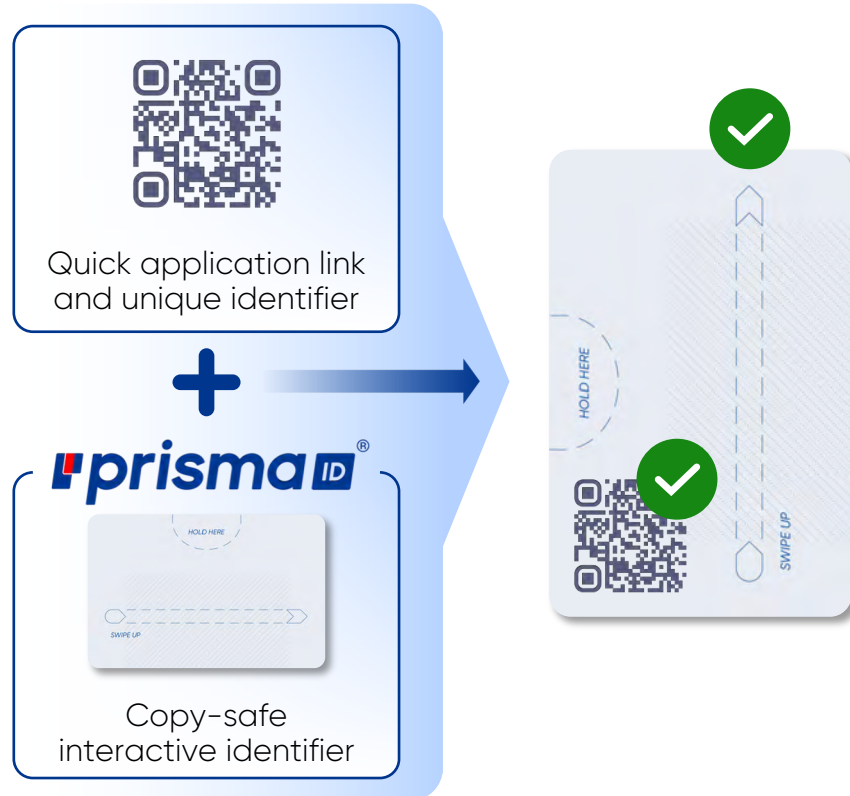
*End-user focused,
interactive authentication
and communication*

PRINTED SMART ID

Electronic authentication on any smartphone with a printed feature!



SECURING QR CODES WITH COPY-SAFE PROOF OF PRESENCE



Security Option 1

Standalone functionality of QR code with easy to use copy protection through PrismaID. No access to personal data necessary to validate the document.

„Smartphone based authentication to validate the presence of a QR code on the original document.“

Security Option 2

Linking PrismaID and QR code identifiers together for digital plausibility check of the document.

„Only the pre-defined combination of QR code and hidden PrismaID will allow activation of the digital feature.“

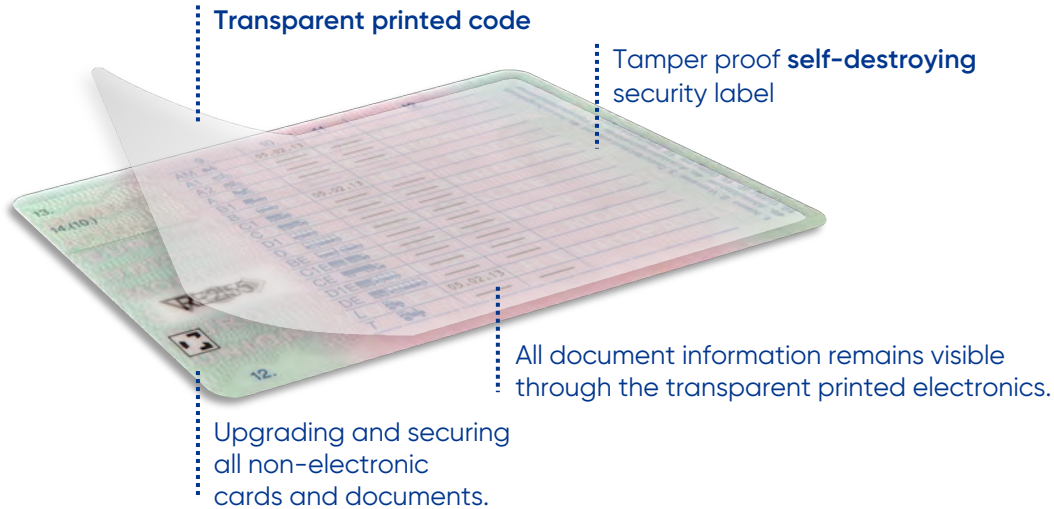
PRINTED SMART ID – USE CASE EXAMPLE

„VIP Access for Banking“ – Securing QR code with copy-safe proof of presence.



PRINTED SMART ID LABEL – USE CASE EXAMPLE

„easycheck“ proof of presence for driver licenses with transparent label



<https://easycheck-by-edding.com>

PRINTED SMART ID LABEL – USE CASE EXAMPLE

„easycheck“ proof of presence for driver licenses with transparent label



ENABLING DIGITAL SERVICES WITH INTERACTIVE DOCUMENTS



- ✓ **Removing barriers:** anyone can verify documents on a website or app
- ✓ **Intuitive Access:** no prior knowledge needed with interactive user guidance
- ✓ **Self-authentication:** on personal device, no outside physical contact



- ✓ **Electronic feature:** prevents optical copies and provides proof of presence
- ✓ **Focus on privacy:** user activated, no unauthorized scanning
- ✓ **Multi-factor:** combining printed features with customizable user input



- ✓ **Proprietary standard:** globally patented
- ✓ **Fully printed:** electronic features printed on existing equipment
- ✓ **Highly customizable:** for any design alongside other technologies
- ✓ **Green technology** with **lower cost** and complexity than NFC



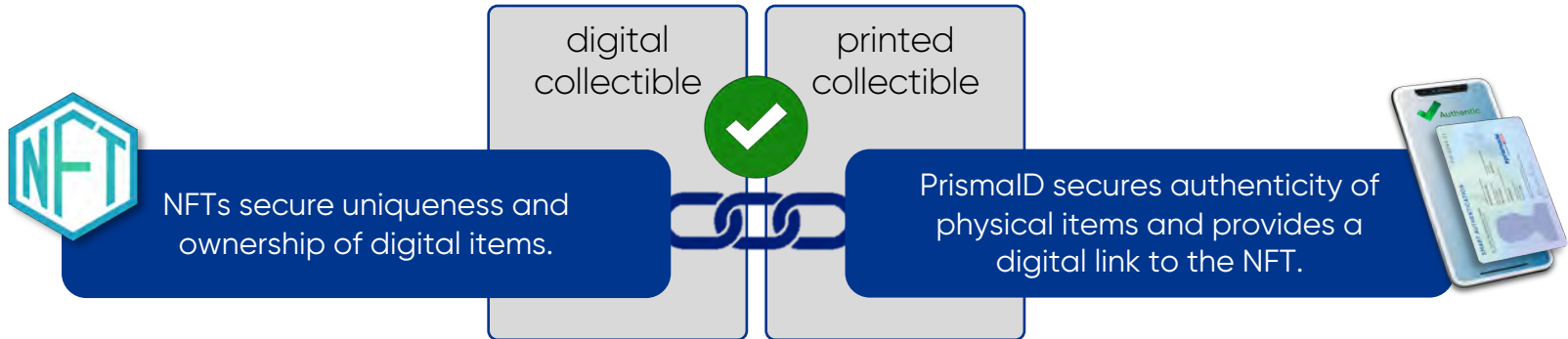
*Securing authenticity
for blockchain-linked
physical items*

Securing authenticity for blockchain-linked physical items



Blockchain technology and NFTs are quickly changing the business model landscape in Gaming, Art, Music, Film and will grow into licenses, certifications, intellectual property, and many real world assets.

How to securely connect the real world with NFTs?
Artworks, collectibles, documents, ... ?



Securing authenticity for blockchain-linked physical items

Use Case Example: Streamheroes, rare digital collectibles as real-world cards



The image shows a promotional graphic for Streamheroes Epic Collectible Cards. On the left, there is a dark background with a glowing 'S' logo and the text 'STREAM HEROES EPIC COLLECTIBLE CARDS FOR STREAMERS, VIEWERS, GAMES, TEAMS, BRANDS & COMMUNITIES'. A green button says 'JOIN NOW FOR FREE'. On the right, a dark blue background features the heading 'OUR FEATURES' and six icons with corresponding text:

- COLLECT THOUSANDS OF DIGITAL CARDS**
Start your card collection now by watching streamers around the globe
- PRINT YOUR DIGITAL CARDS**
Every digital card collected for free can be purchased and delivered globally
- ONE TREE PLANTED WITH EVERY PRINT ORDER**
With every physical card order we contribute to protecting our natural environment
- 100% COUNTERFEIT PROOF**
With a unique ID, patented Edding[®] Code technology and QR code verification, Streamheroes offers the most modern and secure collectible cards
- NO GAMBLE OR PAY 2 WIN**
No booster packs or pack gambling. What you see is what you get!
- EVERY CARD IS UNIQUE**
Streamers receive a significant percentage of revenue from physical card sales

<https://streamheroes.gg>

Thank you for your attention!

Prismade is licensing its unique technologies and is interested in partnering with businesses in product development, manufacturing & sales!



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