



# thenti

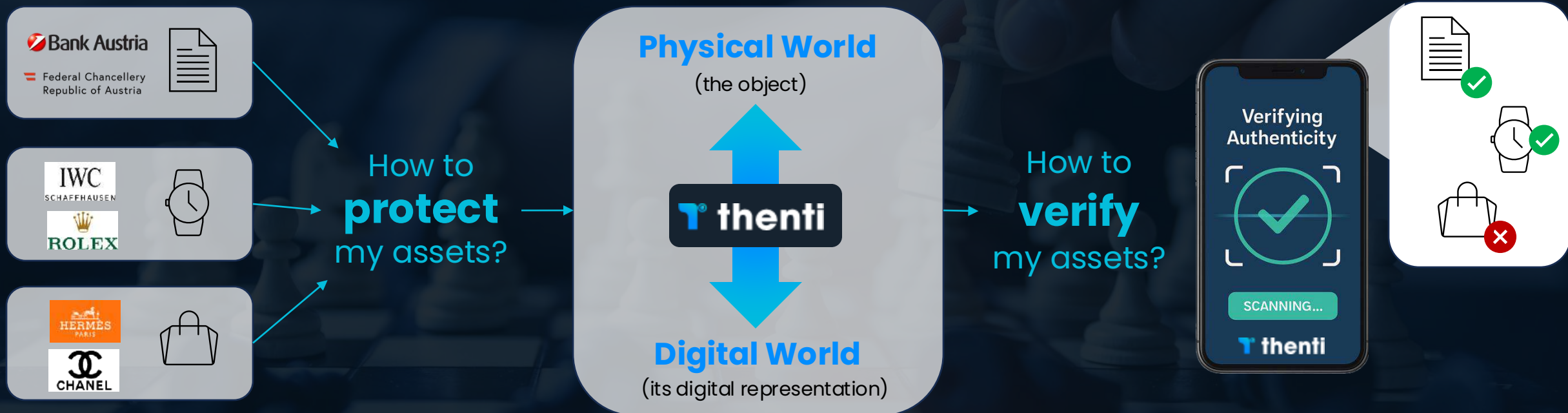
Authenticate Everything

**Spinoff**

**ETH** zürich

Founded 2023

We safeguard tangible assets, enabling  
seamless authentication  
in uncontrolled environments,  
through AI-powered computer vision



**Issuers**  
produce  
valuable  
assets

**thenti** is the **security bridge**

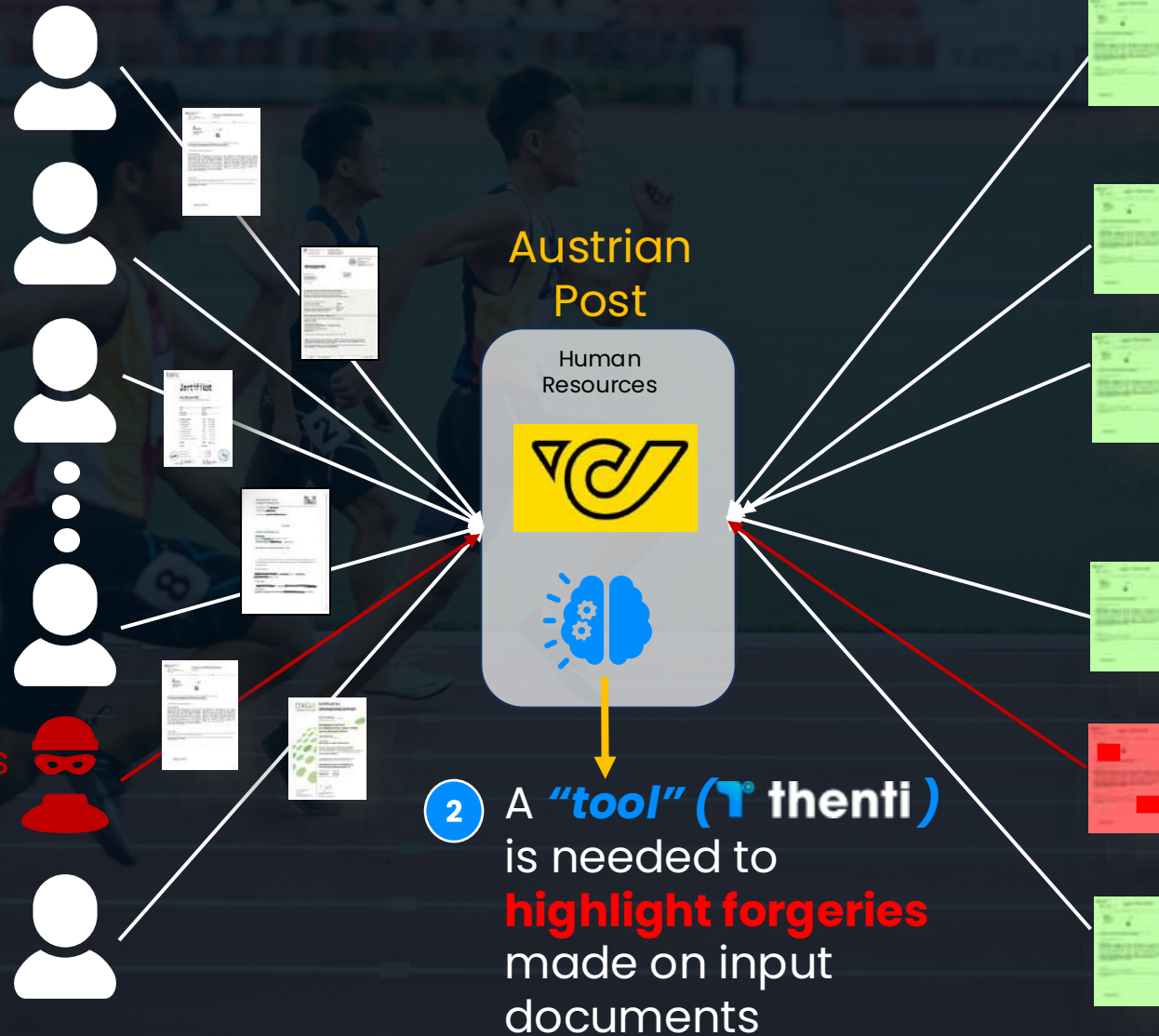
**Verifiers**  
check  
authenticity  
of assets

# Where **thenti** comes into play?

## The challenge

1 A large volume of documents is presented to the HR department

Malicious Actor

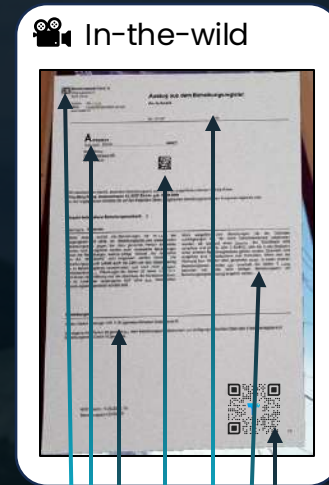


2 A "tool" (**thenti**) is needed to highlight forgeries made on input documents


3 The HR department can **take action** based on the detected forgeries

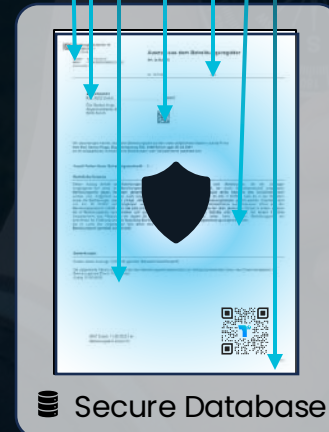
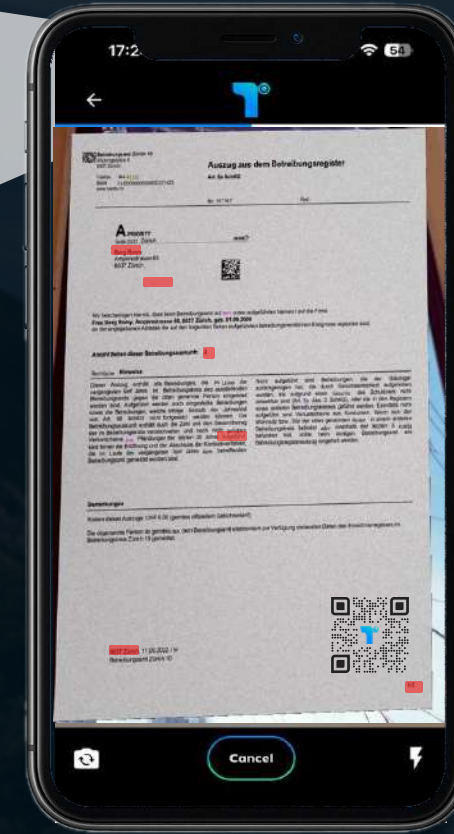
# Why **thenti** could stop forgeries?

**thenti** ensures document authenticity **not by heuristic checks** but by **precise visual comparison** against the original document



Physical World

Scan  document



Digital World

Users see in real time the changes (**forgeries!**) with respect the original

This comparison can be **performed accurately** throughout the **document's life cycle**

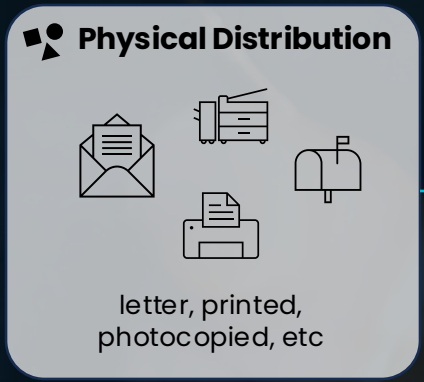
- a **printed copy**
- a **picture of a document**
- a **scanned document**
- a **photocopy**
- etc.

# Technology pipeline

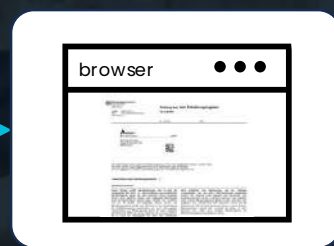
1 Trusted entities issue a document



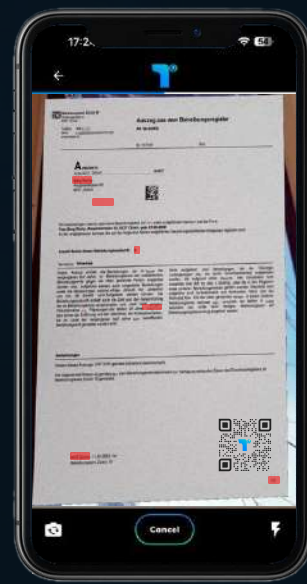
3 Documents are distributed **either** digitally or physically



or



4 Users can easily spot **alterations** and take action!

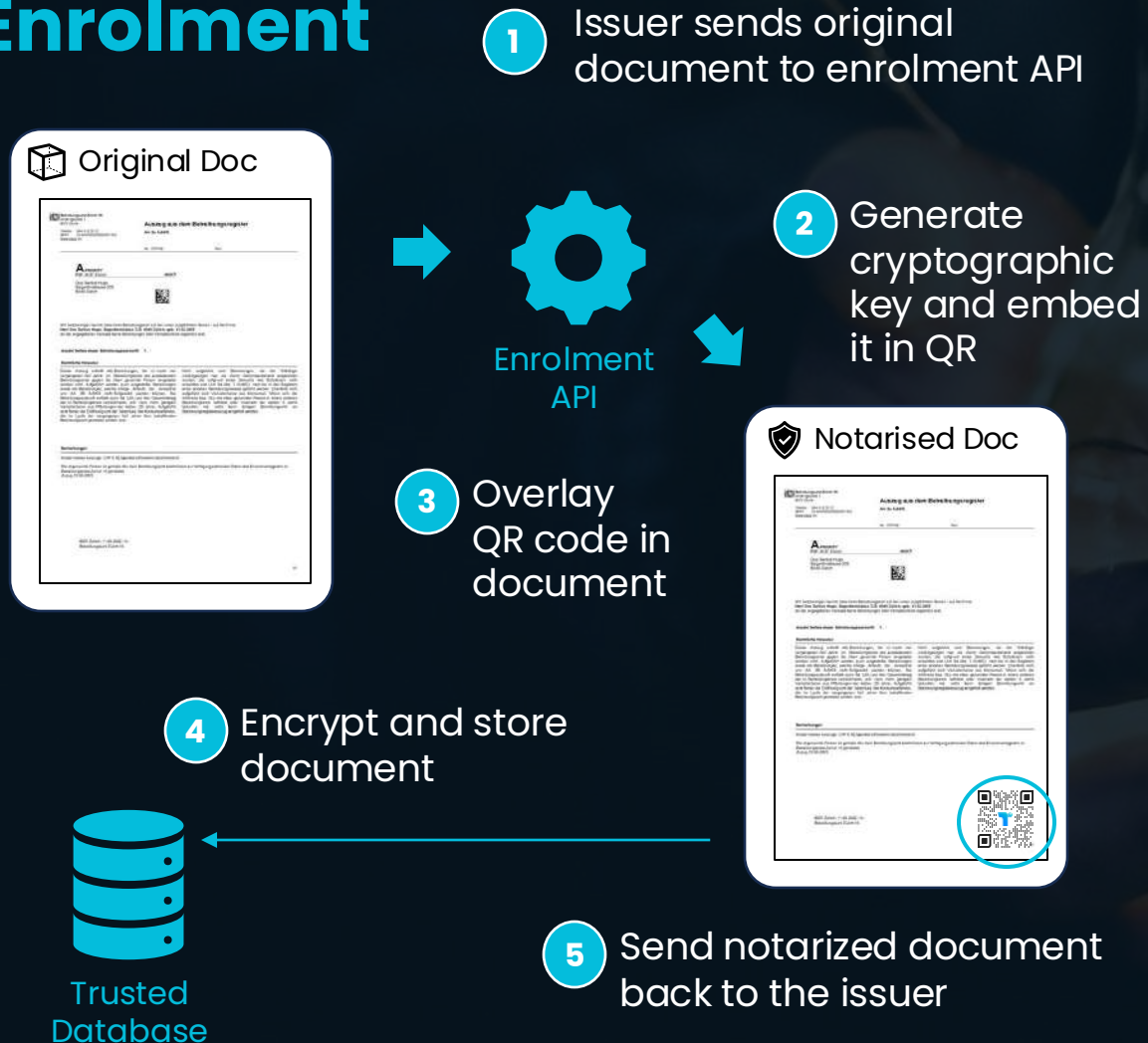


2 Issuers use **thenti** to generate an authenticated document

4 Users can check authenticity with their smartphone, **anytime, anywhere** (No matter the distribution format)

# What is under the hood?

## Document Enrolment



## Document Authentication



# What makes **thenti** more secure?

Traditional solutions rely on **heuristic analysis** for examining documents on:

- **Suspicious characteristics**
- **Inconsistent formatting**
- **Improbable content.**

**However!**  
Those methods **fail to detect** sophisticated (but common!) **forgeries that preserve plausible formatting**

**thenti** removes this uncertainty by performing a **precise comparison** of the **presented document** with the **authenticated original**



either the document **matches precisely**

or

**forgeries are identified**

# What makes **thenti** more secure?

**thenti** detects changes regardless of how plausible forgeries look like



## Full Document's Lifecycle support

Accurate authentication regardless of document condition

## Format-agnostic Verification

Security is preserved even after multiple transitions between digital and physical

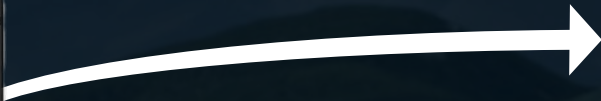
## Privacy-preserving Architecture

All document analysis occurs exclusively on the verifier's device

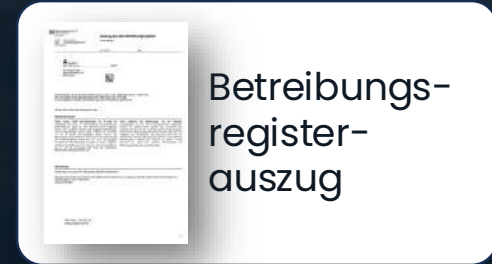
## Human-understandable Differences

Intuitive visual reports that highlights alterations directly on the document image.

# Success Story → City of Zurich



Our technology is **already protecting sensitive documents**



**thenti**



**Stadt Zürich**

**+200K**  
documents

**+5K**  
verifications

**+400**  
monthly users

Reports due to **fraudulent**  
*Betreibungsregisterauszüge*  
**plummeted to 0!**

Let's shape the future together



## From vision to action...

### Scalable Approach

Our model is secure, accurate and scalable by design

### Adaptable Solution

Our technology aligns with your objectives and success criteria

### Flexible Deployment

Our architecture supports multiple infrastructures



# theenti

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