veracityprotocol

Use Cases / References

USE CASE 1

Identity & Security Documents

Government, Financial Services

USE CASE 1A

State-Owned Printing Company

Customer

State-owned printing company with a focus on security-related printed materials, primarily for government use (banknotes, personal documents, seals, etc).

Problem

1/ Any deviation from the quality standard compromises the integrity of security documents. Quality control provided by human labor is inaccurate and time-consuming.

2/ Current security features on personal documents like holograms, watermarks or engraving can be counterfeited, replaced, or tampered.

Solution

1/ Automated QA detects flaws, anomalies, and other deviations with high accuracy & speed at a minimal cost.

2/ Authenticity Protection provides documents with an immutable Physical Code™, based on the item's unique material structure. The authenticity of documents can be then verified by designated government authorities anytime and anywhere, using just the smartphone.

USE CASE 1B

Identity Management Provider

Customer

One of the largest global providers of identity management and data protection technologies helping governments and financial institutions to verify the identities of people and grant access to certain digital services.

Problem

Current biometric solutions often fail to detect intentional photo replacement in personal documents, causing a high security risk within AML / KYC (Anti-Money Laundering / Know Your Customer) processes used by financial institutions and other service providers.

Solution

Tamper Detection detects unauthorized personal document manipulation - including data or photo tampering and other unauthorized interventions.

USE CASE 2

Critical Electronics & Hardware

Manufacturing

USE CASE 2

Leading Semiconductor Manufacturer

Customer

Leading global semiconductor manufacturer aiming for a secure supply chain that ensures critical components placed on each server board comes from authorized sources.

Problem

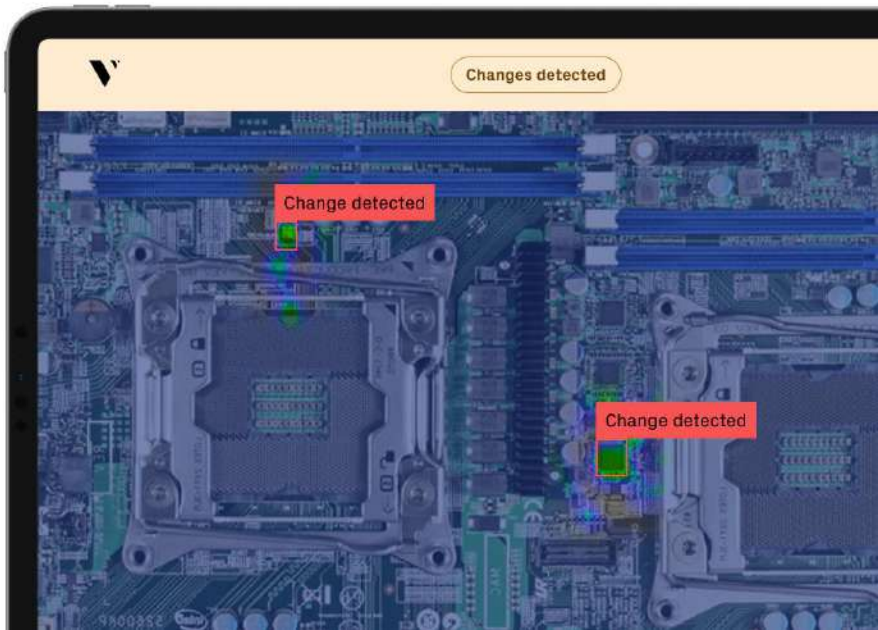
Customer faces supply chain transparency challenges and emerging concern over counterfeit & malicious electronic parts, which might cause safety hazards, business critical applications failure or can gives root access to an attacker. To spot a tampered or counterfeited component is impossible to the naked eye.

Solution

Veracity Protocol enables any standard industrial camera to protect products as they are manufactured. This allows anyone along the supply chain to:

1/ Instantly detect manipulation or anomalies — like the replacement, reattachment, or resoldering of individual components.

2/ Verify the authenticity of each motherboard including individual components prior to assembly.



USE CASE 3

Secondary Marketplaces

Luxury Goods & Apparel

USE CASE 3

Global Secondary Marketplaces

Customer

One of the largest secondary marketplaces for sneakers and other fashion accessories, with trading available through company-operated retail stores, e-Commerce sites, and mobile apps.

Problem

Training and retaining authentication experts to verify every product coming from various resellers (or returned by customers) is costly and leaves room for human error. It also poses a major scalability issue, as the volume of sneakers being resold continues to grow.

Solution

Authenticity Protection provides sneakers with an immutable Physical Code™, based on the item's unique material structure. Product authenticity can be verified instantly, accurately, and at a minimal cost, ensuring high customer satisfaction and future company scalability.

USE CASE 4

Blockchain & Industry 4.0

All Sectors: Logistics, Electronics, Financial Services, Retail, and more

USE CASE 4

Global Blockchain Company

Customer

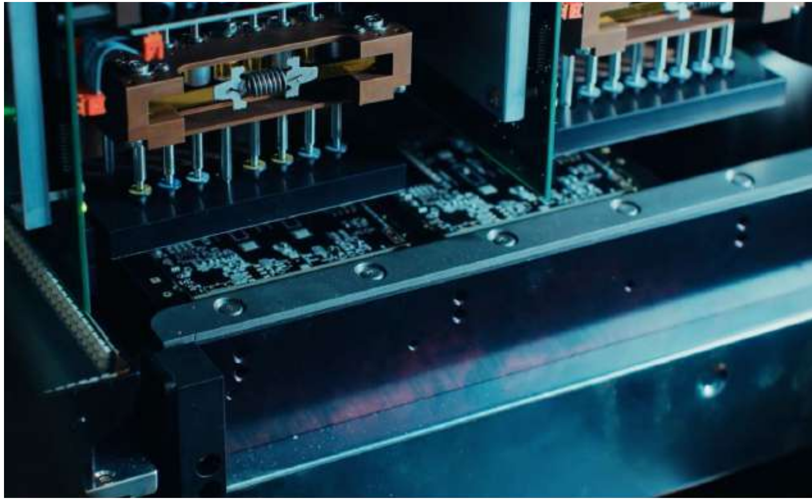
Global blockchain company supporting businesses to digitally streamline processes with aim for greater transparency in the supply chain.

Problem

Blockchain is critical for achieving secure and reliable supply chain operations. Nowadays, they are linked to security elements that can be tampered with (e.g. barcodes, RFID). This enables middle-man attacks and track & trace issues. Blockchain cannot solve the issue without a secure link to the physical object.

Solution

Veracity Protocol enables any camera to securely connect each physical object to its digital twin. Using only its unique material structure (without relying on barcodes, chips, or other embedded elements), it's a non-invasive and tamper-proof solution that creates a truly immutable bridge between the physical asset and its digital record.



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Let’s build a safer world together

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