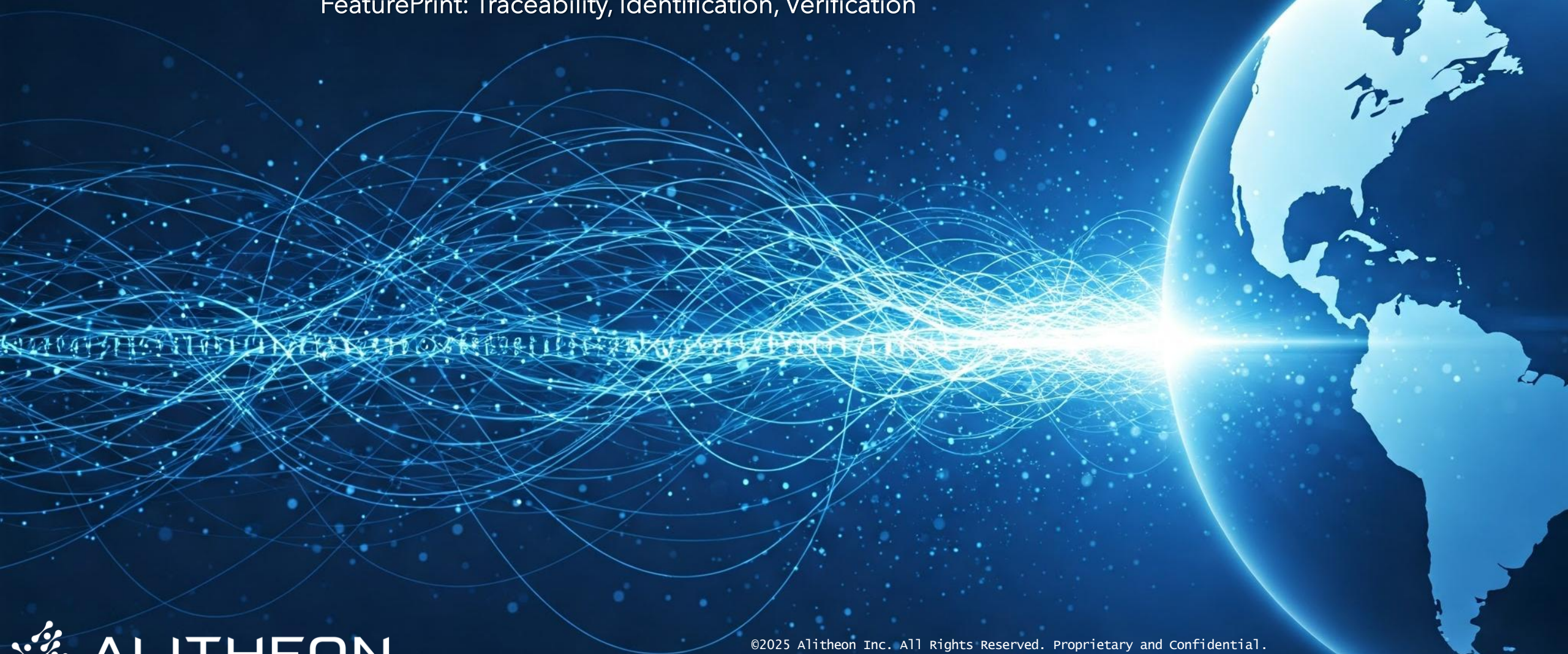


# A zero-trust model for physical parts, products, and supply chain.

FeaturePrint: Traceability, Identification, Verification



# PROBLEM

## Inventory mismanagement, fraudulent items, and human error impact operations every year.

Current solutions (bar codes, QRs, tags, paperwork, etc.) are unreliable. In many cases they don't even serialize or trace at the individual item level.

- Require marking and manipulating items and products; and specialized equipment.
- Can be erased, lost, damaged, moved from part to part, and counterfeited themselves.
- Counterfeiting and gray market is a \$3 trillion global problem.

San Francisco Chronicle 5.5K Followers  
Bay Area businessman accused of selling fake fans to the military, possibly risking missile systems and a nuclear sub

ars TECHNICA 5/3/2024  
Counterfeit Cisco gear ended up in US military bases, used in combat operations

FIRSTPOST.  
US military scammed into buying Chinese, counterfeit IT products for F-16, F-18, F-22, Apache aircrafts Mehul Reuben Das May 6, 2024

DefenseNews May 31, 2023  
Auditors: Over 1 million F-35 spare parts lost by DoD and Lockheed  
By Stephen Losey  
Wednesday, May 31

## SOLUTION

# FeaturePrint: No-Touch Serialization

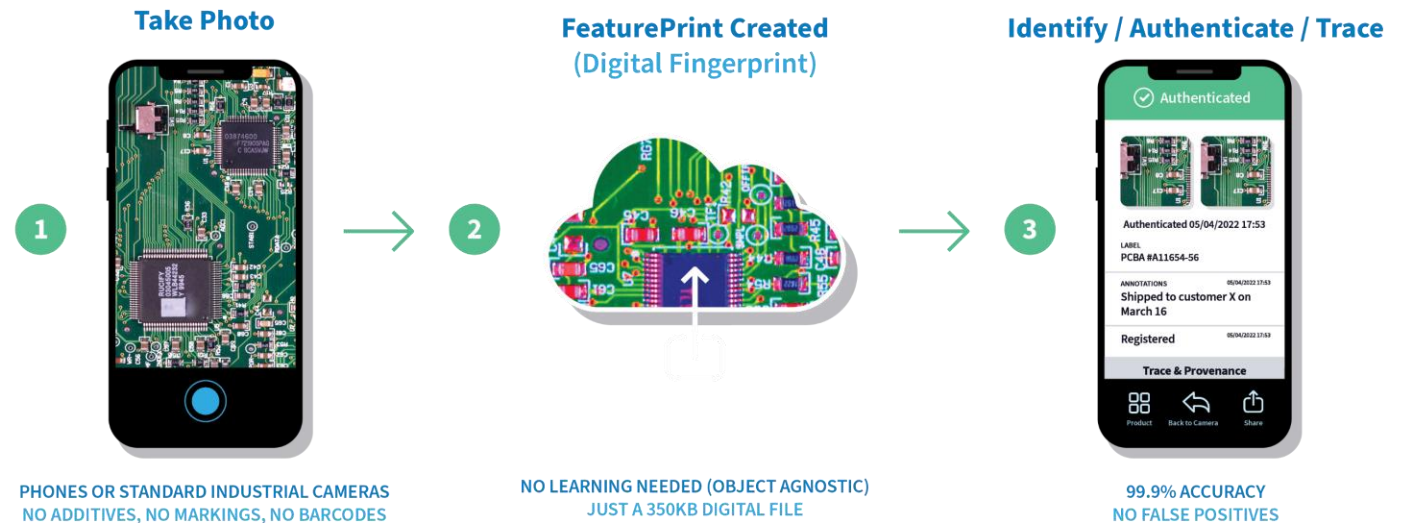
What fingerprints are for people, FeaturePrint is for physical items – an irrefutable way to identify and verify items with just a photo.

Securing and Ensuring Product Lifecycles



## FeaturePrint®: The Foundation of Trust for Physical Items

- FeaturePrint provides a unique, immutable digital fingerprint for every physical item.
- It uses off-the-shelf cameras or mobile phones and doesn't require adding anything to the product.
- This technology enables full serialization, traceability and authentication with just a picture.



“FeaturePrint offers groundbreaking capabilities that dramatically improve inventory management and readiness reporting, from the small unit level to the Army Enterprise and beyond. This technology is an invaluable application for advancing operational efficiency and effectiveness.”

James A. Hayes, Colonel (Ret), former Director of Current Operations and the Stryker Warfighters’ Forum, I Corps, U.S. Army.





# Simplicity is Profound. Impact is Significant.

- Slash administrative burdens and eliminate repetitive data entry.
- Instantly and undeniably identify and validate every single part.
- Drastically simplify inventory management, freeing up servicemembers from administrative drag.
- Eradicate costly installation misidentification errors.
- Accelerate replenishment and boost readiness across the board.
- Proactively prevent issues and seamlessly share critical data across all DoD branches—Active, Guard, and Reserve.
- Combat counterfeits and errors in the global supply chain, saving the DoD hundreds of millions of dollars annually.
- Supports DOD INSTRUCTION 4140.67  
COUNTERFEIT PREVENTION POLICY



“Using Alitheon’s FeaturePrint technology, we were able to validate and authenticate our products with unprecedented accuracy without the use of barcodes, QR codes, or physical tags! This breakthrough allows us to move toward a future where every individual item can tell its own story.”

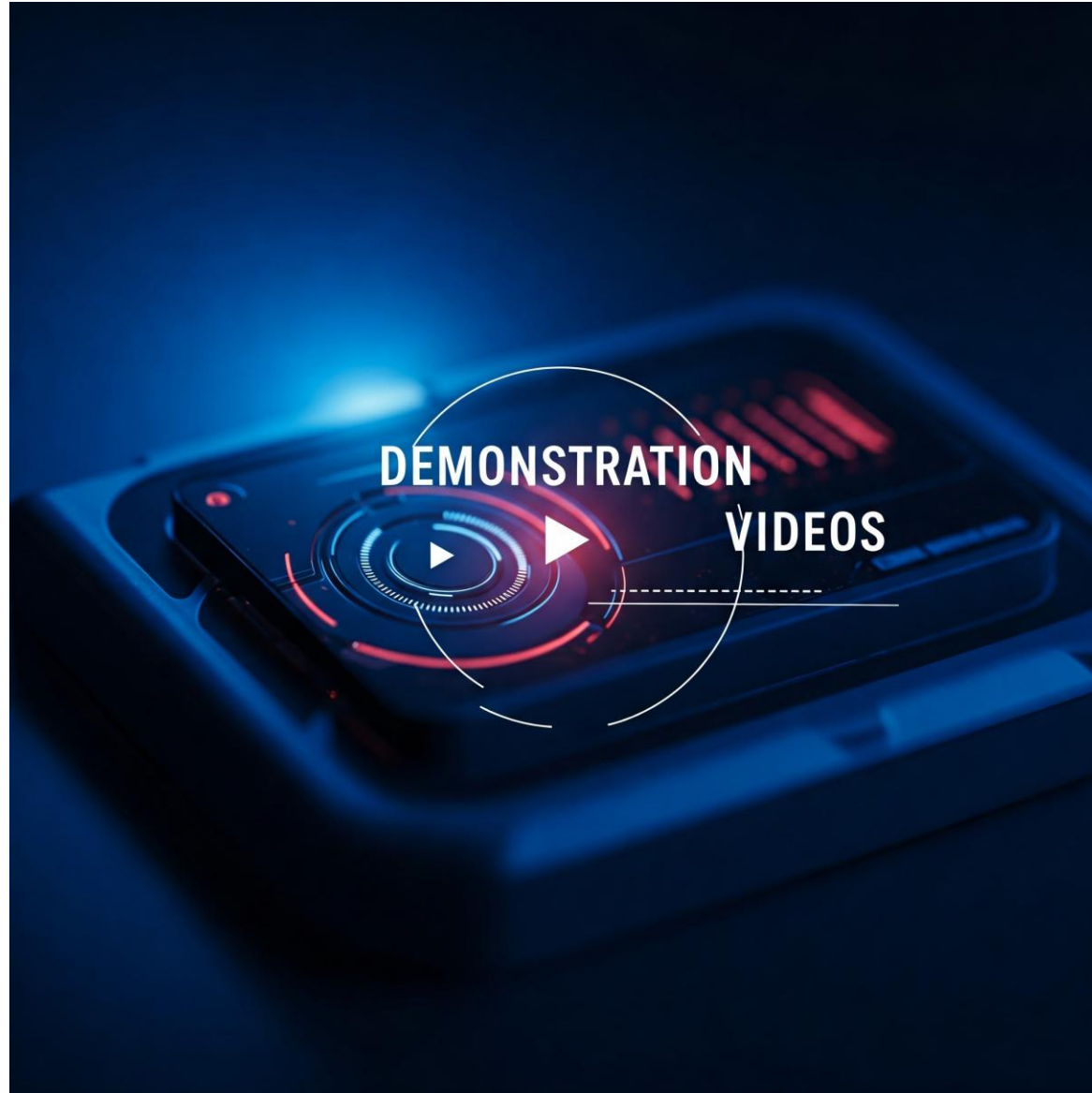
1LT Drew Campbell, QM, 101st Airborne, US Army.



FULL 10-MINUTE MIXED  
DEMONSTRATION

METAL PARTS

REAM OF PAPER



AUTOMATED  
INDUSTRIAL LINE

CAR BRAKE PADS

PHARMA

**Alitheon offers the only complete solution.**

→ Item Does NOT Need Modification



→ Ready to Use / No Learning Needed



→ Simple Integration



→ Authenticates Class



→ Identifies / Authenticates the ONE of Many



→ Tamper Proof

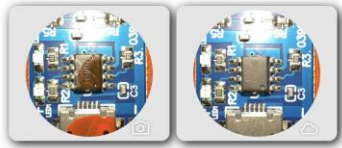
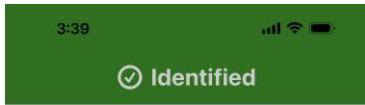


Additive Technologies  
e.g. QR code, NFC, RFID, etc.

Machine-Learning



FeaturePrint: Redefining Serialization and Authentication - Beyond Current Limitations

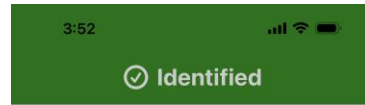
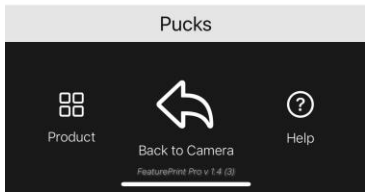


Identified 10/12/2023 15:39

Item ID  
In-6635/67

History

Identified <a href="#">See Location</a>	10/12/2023 15:39 rganzarski
Identified <a href="#">See Location</a>	10/12/2023 15:38 rganzarski
FeaturePrinted <a href="#">See Location</a>	10/12/2023 15:38 rganzarski

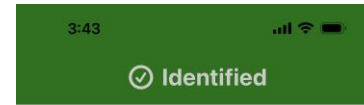
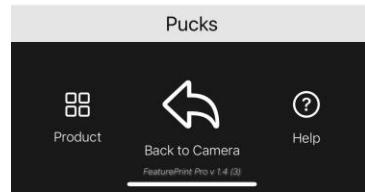


Identified 10/12/2023 15:52

Item ID  
23XVDAY0060

History

Identified <a href="#">See Location</a>	10/12/2023 15:52 rganzarski
FeaturePrinted <a href="#">See Location</a>	10/12/2023 15:50 rganzarski

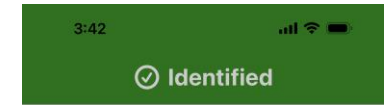
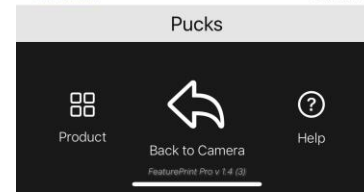


Identified 10/12/2023 15:43

Item ID  
Breaker 17765-2

History

Identified <a href="#">See Location</a>	10/12/2023 15:43 rganzarski
Identified <a href="#">See Location</a>	10/12/2023 15:42 rganzarski
Identified <a href="#">See Location</a>	10/12/2023 15:41 rganzarski
FeaturePrinted <a href="#">See Location</a>	10/12/2023 15:41 rganzarski

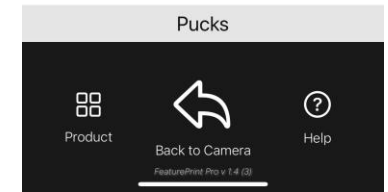


Identified 10/12/2023 15:42

Item ID  
Breaker 17765-2

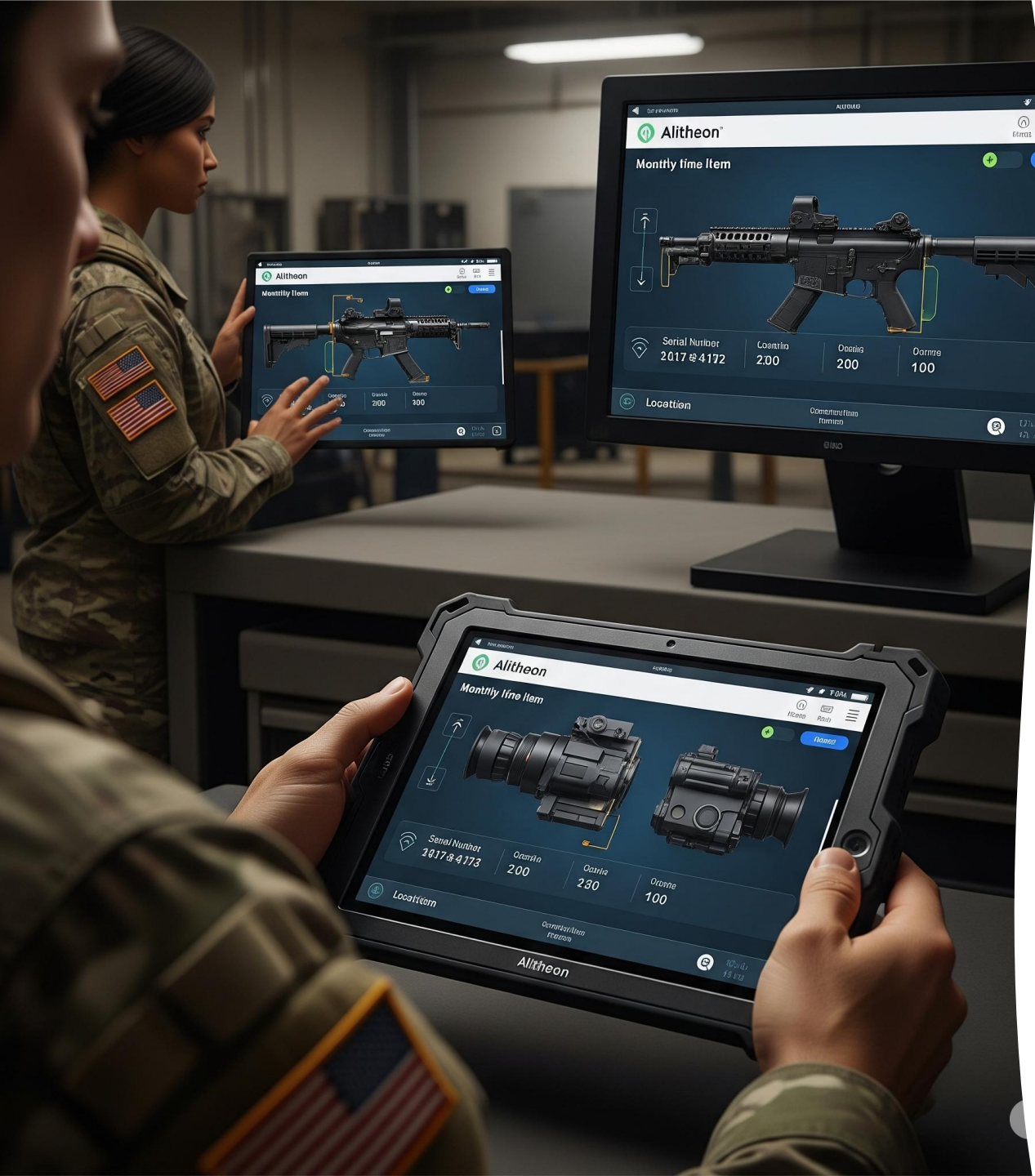
History

Identified <a href="#">See Location</a>	10/12/2023 15:42 rganzarski
Identified <a href="#">See Location</a>	10/12/2023 15:41 rganzarski
FeaturePrinted <a href="#">See Location</a>	10/12/2023 15:41 rganzarski



# Better Than Any Alternatives

- Identifies after physical damage
- Identifies after erasing / hiding “traditional” identifiers such as QR / bar codes and serial numbers



"The time saving and peace of mind provided to commanders at all echelons will be well worth fielding Alitheon's tech."

1LT, Quartermaster, Maintenance Control Officer

B Co, 2D BSB, 2-2 SBCT, JBLM

# Recent Recognitions



- **Oct 2025:** Named **Overall Transportation Tech of the Year** in 2025 AutoTech Breakthrough awards.
- **Oct 2023:** Selected as one of TIME Magazine's 2023 **Best Inventions**.
- **Jun 2023:** Named **Best Optical AI Solution** in 2023 Artificial Intelligence Breakthrough awards.
- **Feb 2023:** Named by the **London Bullion Market Association (LBMA)**, the independent standards authority for the global precious metals industry, as one of only five companies globally (and the only US-based company) to support the Gold Bar Integrity initiative.
- **Dec 2022:** Awarded the 2022 **Pharma Innovation Awards** for help solving pharma's current woes and pushing the boundaries on what is possible within pharma manufacturing.

# Securing Innovation: Our Robust Portfolio of Intellectual Property

---

- In-House Innovation:
  - FeaturePrint developed entirely by Alitheon in the US.
- Extensive Protection:
  - Over 55 issued patents with additional pending.
- Sample Areas of Coverage:
  - Document Fingerprinting: (Patent #8774455)
  - Digital Fingerprinting:
    - Object Authentication & Anti-counterfeiting (Patent #9443298)
    - Track & Trace (Patent #9582714)
  - Advanced Authentication: (Patent #10915749)
  - Inventory Management/Identification: (Patent #9646206)
  - Change-Resilient Authentication: (Patent #11100517)
- Strategic Value:
  - Robust IP portfolio that protects technology and secures a competitive edge.
- For More Details: Visit [ppubs.uspto.gov](http://ppubs.uspto.gov) for the complete portfolio.





# ALITHEON

**TRANSPARENCY, TRACEABILITY, TRUST**

**Roei Ganzarski, CEO**

<https://alitheon.com>

[roei@alitheon.com](mailto:roei@alitheon.com)

**+1.206.304.8129**

<https://www.linkedin.com/company/alitheon>

