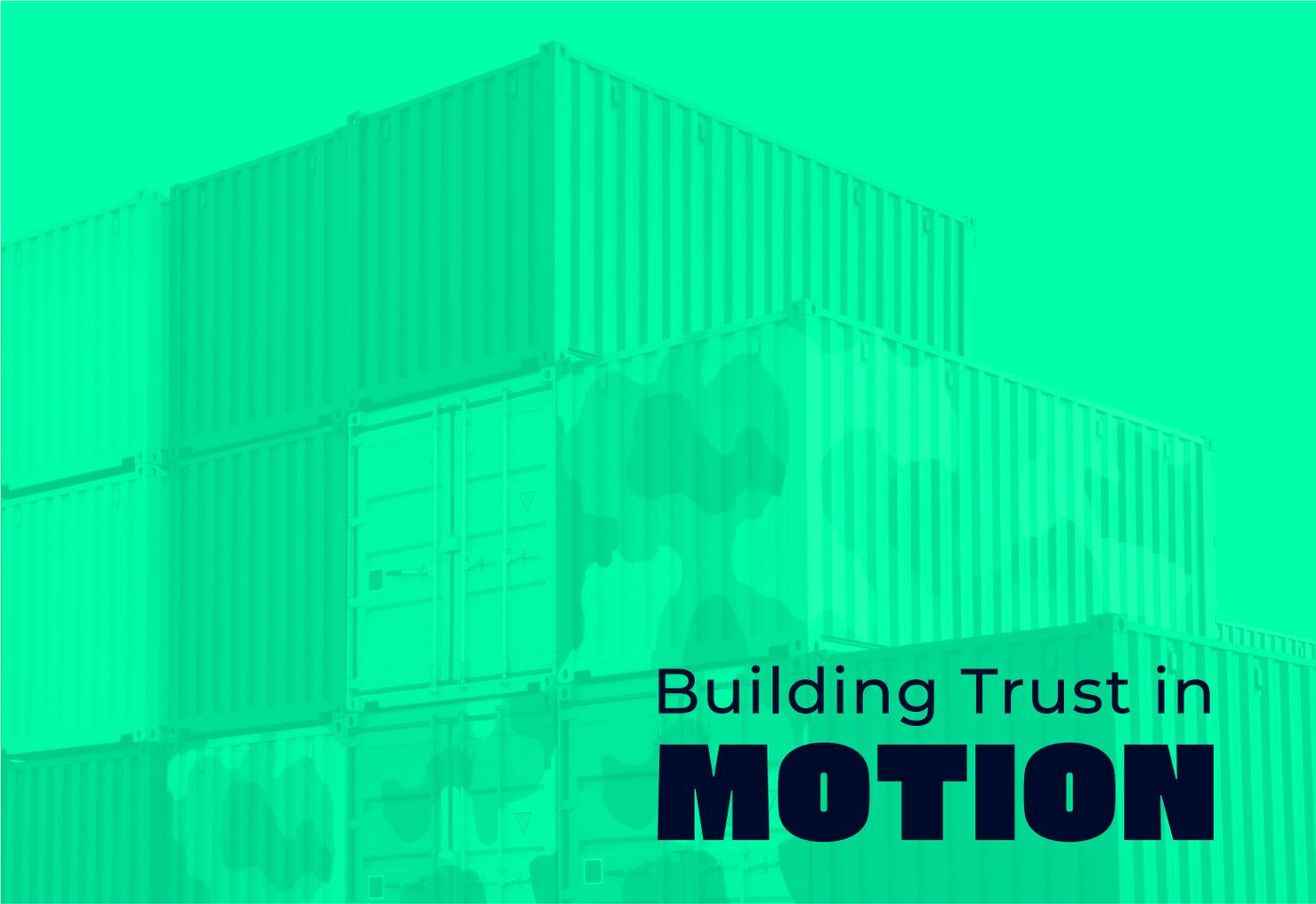


Building Trust in **MOTION**

How Blockchain Is Redefining
Military Logistics and Global
Supply Integrity





Building Trust in **MOTION**

Every shipment, sensor, and data point now plays a vital role in operations, making trust the true currency of logistics. Across modern defense networks—where billions in materiel move through complex global channels—visibility and accountability aren't optional; they're essential to mission success.

At the center of this transformation is a **U.S. Army Reserve Innovation Command** (USARIC) pilot*, led by Maj. Matthew Goyette and powered by SIMBA Chain, AKUA Inc., the Defense Logistics Agency (DLA), the U.S. Army Materiel Command (AMC), and the Air Force Research Laboratory (AFRL).

THE MISSION:

Prove that blockchain and IoT can bring transparency, security, and resilience to the military supply chain — at global scale.

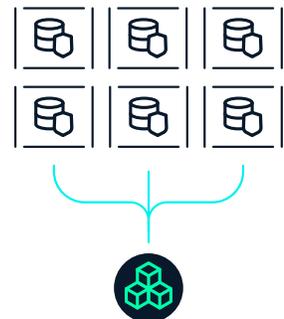
* All information surrounding this article was sourced from online public information

From Data Silos to **SHARED TRUTH**

Traditional logistics systems, built decades apart and managed across agencies, often operate in isolation. As a result, data about asset location, condition, and custody becomes fragmented and prone to human error.

The USARIC pilot reimagined this landscape by fusing AKUA's IoT smart tags with SIMBA Chain's blockchain platform — creating a secure digital thread that followed every asset, from origin to delivery. The result was more than technical validation: it was proof that decentralized data can drive centralized trust.

In a single mission, over 600 tons of equipment were tracked, with real-time verification and a tamper-proof record of every transaction — outperforming traditional tracking methods used over the prior 31 months combined.



- + 600 TONS TRACKED**
- + REAL-TIME VERIFICATION**
- + TAMPER-PROOF RECORD**



The Strategic Shift

BLOCKCHAIN AS

INFRASTRUCTURE

This pilot isn't just about better logistics — it's about **reshaping digital infrastructure for national resilience.**

Blockchain transforms supply chain data from a static log into a living, federated trust network. Every transaction, whether a transfer of goods or a change of custody, becomes a verified event — accessible to authorized stakeholders across agencies, commands, and even coalition partners.

For the Department of Defense, this means fewer blind spots, stronger auditability, and the foundation for future automation through asset tokenization and smart contracts.

For SIMBA Chain, it demonstrates that blockchain can serve as the connective tissue between AI, IoT, and operational command systems, enabling secure, real-time decision-making across the enterprise.

THIS MEANS

- Fewer blind spots
- Stronger auditability
- Foundation for future automation

TECHNOLOGY

With Purpose



At SIMBA, we view blockchain not as a disruptive force, but as an enabling framework for digital trust. Whether it's securing a humanitarian aid shipment, validating a parts supply, or tracking sensitive assets in the field, blockchain gives leaders confidence in the data that drives action.

This is why partnerships matter. By collaborating with **USARIC, DLA, AMC, AFRL, and AKUA**, SIMBA is helping the DoD prove what the private sector has long sought — that digital transformation is only sustainable when trust is built into the data itself.

A Vision FOR WHAT IS NEXT

As this work expands beyond pilot scale, the path forward is clear:

- **Scale across commands** to unify visibility and accountability.
- **Standardize data governance** for blockchain-based logistics networks.
- **Integrate with AI systems** for predictive logistics and automated mission support.
- **Collaborate with industry and allies** to build interoperable, secure supply chain ecosystems.

In Maj. Goyette's words:

“We've proven blockchain can bring accountability and real-time insight to the military supply chain.”

At SIMBA Chain, we believe this is only the beginning. The same principles that bring clarity to defense logistics can strengthen global supply networks — across aerospace, energy, manufacturing, and beyond.

When trust becomes programmable, integrity scales with it.

REFERENCES

DVIDS: 75th USARIC Soldier Develops Blockchain Solution to Revolutionize the Military Supply Chain [↗](#)

Breaking Defense: Blockchain, Big Data, and GenAI — US Army Uses Novel Tech to Track Billions in Ukraine Aid [↗](#)

Neuron Expert: 75th USARIC Soldier Develops a Blockchain Solution to Revolutionize the Military Supply Chain [↗](#)



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