

Blockchain Integration in Supply Chain for Product Traceability

"Track every handoff, verify every product, and build trust across the supply chain."

Our blockchain traceability platform replaces fragmented shipment records, manual verification, and weak product authentication with a secure, shared source of truth across the supply chain.

Manufacturers, distributors, warehouses, and logistics teams record product origin, shipment milestones, custody changes, and verification events in one trusted system — making it easier to track movement, protect shipment integrity, and confirm authenticity at every stage.

99.9%

Shipment Uptime

Reliable visibility during active operations

40%

Fewer Counterfeits

Reduction in counterfeit cases



The Challenge Supply Chain Teams Face

These gaps lead to verification delays, counterfeit exposure, operational friction, audit risk, and reduced confidence across the supply chain.

Limited End-To-End Traceability

Product movement is spread across systems, partners, and documents, making verification difficult.

Counterfeit Risk

Weak authentication allows fake or tampered goods into the supply chain.

Weak Shipment Integrity Controls

Manual records make it hard to prove shipment integrity across handoffs.

Slow Dispute Resolution

Teams spend too much time tracing records and validating custody events.

Fragmented Partner Data

Different systems across partners create visibility gaps.

The Solution

We built a blockchain traceability platform designed to give supply chain teams a secure, tamper-resistant record of product movement and shipment history.

Instead of relying on isolated records and manual reconciliations, the team gets one trusted system that captures product origin, shipment events, verification checkpoints, and custody changes across the journey.

No missing handoff history

No easy record tampering

No guesswork around authenticity



What Supply Chain Teams Gain

A trusted digital traceability layer that improves visibility, accountability, and product confidence across suppliers, logistics partners, warehouses, and distributors.



Faster Product Verification

Operations teams verify product history faster and reduce counterfeit risk with clear, immutable records.



Stronger Shipment Evidence

Respond to shipment issues with clearer evidence and a complete chain of custody at every handoff.



Leadership Visibility

Leadership gets a reliable view of product movement, compliance readiness, and supply chain performance.



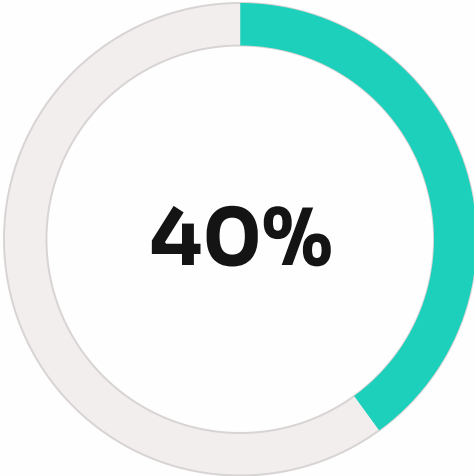
Blockchain's Impact on Supply Chain Operations

Measurable improvements across visibility, verification speed, counterfeit reduction, and dispute resolution.



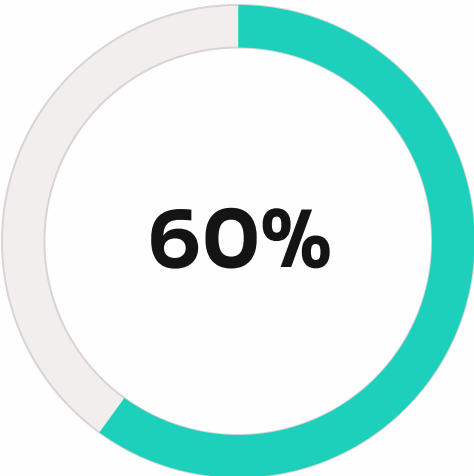
Shipment Uptime Visibility

Reliable access to shipment records during active operations



Fewer Counterfeit Cases

Stronger verification makes fake goods easier to detect



Faster Product Verification

Teams confirm origin and authenticity much faster



Faster Dispute Resolution

Shared records speed up shipment investigations

How the Blockchain Traceability Platform Works

A clear, five-step process that captures every product event from origin to delivery — creating a tamper-resistant record across the entire supply chain.



Register Product Identity

Each batch, item, or shipment gets a unique digital record on the blockchain.



Capture Supply Chain Events

Production, dispatch, transit, and delivery milestones are logged on the platform.



Verify Each Handoff

Every transfer is recorded to maintain the chain of custody.



Protect Record Integrity

Blockchain-backed records reduce tampering risk across all partners.



Track Authenticity In Real Time

Teams verify product history before acceptance or sale.



Proof of Value

A growing supply chain operation used this blockchain development solution to improve shipment traceability and protect product authenticity across its logistics network.

Before

Shipment records were fragmented, authenticity checks were slow, and product disputes required manual investigation across systems and partners.

After

One traceability platform gave teams shipment history, verification, and custody tracking. Shipment visibility stayed at 99.9% uptime, while counterfeit cases fell by 40%.

Outcome

Better product trust, stronger shipment integrity, faster issue resolution, and a more resilient supply chain foundation for future scale.

Why Choose Phaedra Solutions?

1

10-Day MVP Delivery

Launch a working blockchain traceability platform pilot in as little as 10 working days.

2

Blockchain + Product Expertise

We build practical blockchain solutions for real supply chain needs.

3

Built Around Your Workflow

Tailored to your product movement, handoffs, verification, and reporting needs.

4

Secure, Scalable Architecture

Built for current traceability needs and future growth.

350+

Clients Served

700+

Digital & Automation Projects

4.9★

Clutch Rating

An illustration of a large container ship sailing on a blue ocean under a sunset sky. The ship is dark blue with a white superstructure and is loaded with colorful shipping containers. The sun is a large yellow circle on the horizon, with orange and yellow clouds above it. The ship's name 'OUSA MOURS' is visible on the side.

Build a Trusted Supply Chain With Blockchain

See how a blockchain traceability platform can improve shipment integrity, strengthen product authenticity, and give your team more reliable supply chain visibility.

Book your blockchain traceability demo today and move products with confidence.

- ✔ Ready to transform your supply chain traceability? Schedule a discovery consultation with our blockchain experts and get your MVP in as little as 10 working days.

[Schedule a Meeting Today](#)

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