



## LIT: Global Leader in Anti-Counterfeiting & Traceability Solutions

*Fighting illicit trade, securing official documents, and protecting trusted brands*

### The Chain of Trust Solution

#### Secure Anti-Counterfeiting & Traceability Solution for Agricultural Supply Chains



Protecting authenticity • Enabling enforcement • Building trust

#### Overview

**Chain of Trust** is an end-to-end anti-counterfeiting and traceability solution designed to secure agricultural products throughout the supply chain.

The solution combines **tamper-resistant smart labels**, **mobile verification tools**, and a **cloud-based management platform** to deliver real-time visibility, enforcement, and regulatory control from origin to inspection points.

**Chain of Trust** enables organizations and authorities to move from manual, declaration-based controls to **verified, data-driven oversight**.

#### The Challenge

Agricultural supply chains are increasingly exposed to:

- Counterfeit or misrepresented produce
- Unauthorized reuse or duplication of labels
- Limited visibility across packing, transport, and checkpoints
- Inefficient and non-auditable inspection processes
- Loss of trust among regulators, growers, and consumers

Traditional labeling and paper-based methods lack real-time validation, scalability, and deterrence.

#### The LIT Chain of Trust Solution

Introduces a **secure verification layer** across the entire supply chain:

- **Smart, non-counterfeitable labels** assigned to specific growers, products, and regions
- **Hierarchical traceability model:** Box → Pallet → (Expandable to Shipment)
- **Mobile applications** for activation, inspection, and verification
- **Multi-checkpoint enforcement** with instant anomaly detection
- **Centralized cloud dashboard** for monitoring, analytics, and audit

Every scan validates authenticity, allocation, and consistency enabling immediate response to irregularities.



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### Key Capabilities

- ✓ Secure smart labels for boxes and pallets
- ✓ Cryptographic authenticity verification
- ✓ Box-to-pallet association and quantity validation
- ✓ Sampling inspections at checkpoints
- ✓ Weight and consistency verification at transit points
- ✓ Real-time alerts for anomalies or misuse
- ✓ Full audit trail and compliance reporting
- ✓ Role-based access and secure cloud architecture

### Designed for Enforcement & Regulation

Chain of Trust is built specifically for regulatory and enforcement environments:

- Supports multiple inspection points and workflows
- Enables risk-based inspections and targeted enforcement
- Provides real-time operational visibility and historical traceability
- Scales seamlessly from local operations to nationwide deployment

### Value Delivered


- **Effective prevention of counterfeiting and fraud**
- **Improved enforcement efficiency** with minimal operational burden
- **Reliable traceability** across the supply chain
- **Data-driven decision making** for regulators and organizations
- **Increased market trust** and protection of compliant stakeholders

### Scalable & Future-Ready

Chain of Trust is a modular platform that can be extended to:

- Import monitoring through overseas label distribution
- Additional logistics levels (shipment, container, truckload)
- Integration with digital weighing systems
- Advanced analytics and risk scoring

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