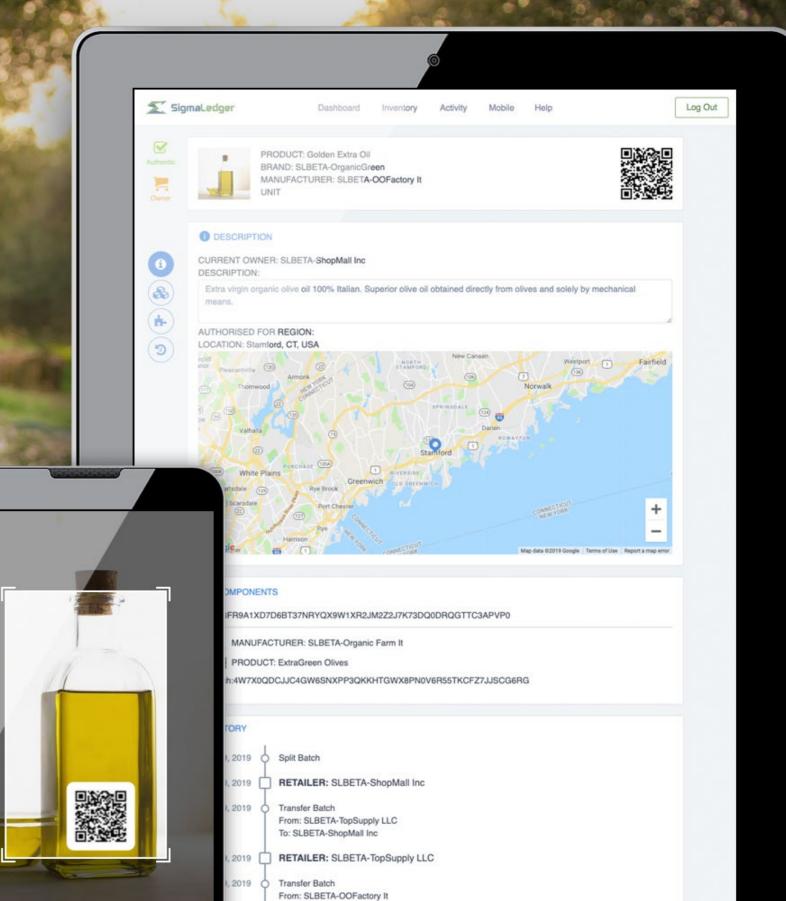
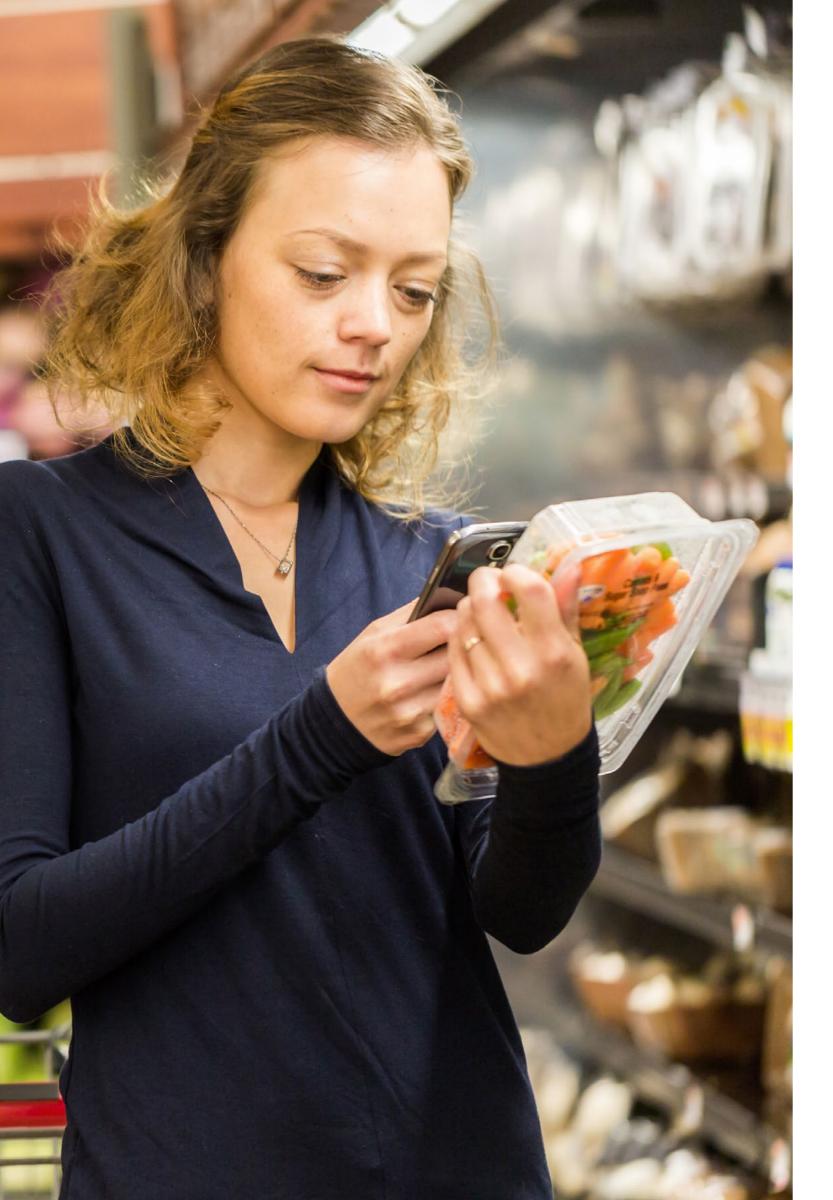


## SigmaLedger

TAG. TRACE. VERIFY.







# The Food & Agriculture industry is evolving with an increased focus on:

- Voluntary, proactive monitoring
- Sustainable and responsible production
- Transparency and trusted information
- Product safety
- Product origin
- Consumer interest and engagement
- Commitment to fight counterfeit and verify authenticity
- Farm to table transparency



### SigmaLedger was founded on the belief that blockchain technology can and should solve real global issues by adding safeguards to increase trust and confidence



*"Blockchain provides an innovative solution to the transparency issues within the food products we consume every day."* 

Alik Rivkind, CEO



#### **SUPPLY CHAIN TRANSPARENCY**

Increase digital traceability Optimize recalls Integrate sensor data

SigmaLedger provides a blockchainbased "go to" end-to-end traceability and counterfeit prevention solution, providing a neutral tool to build trust among participating parties. We are far beyond the white paper stage; we have solutions live in production.



#### **COUNTERFEIT PREVENTION**

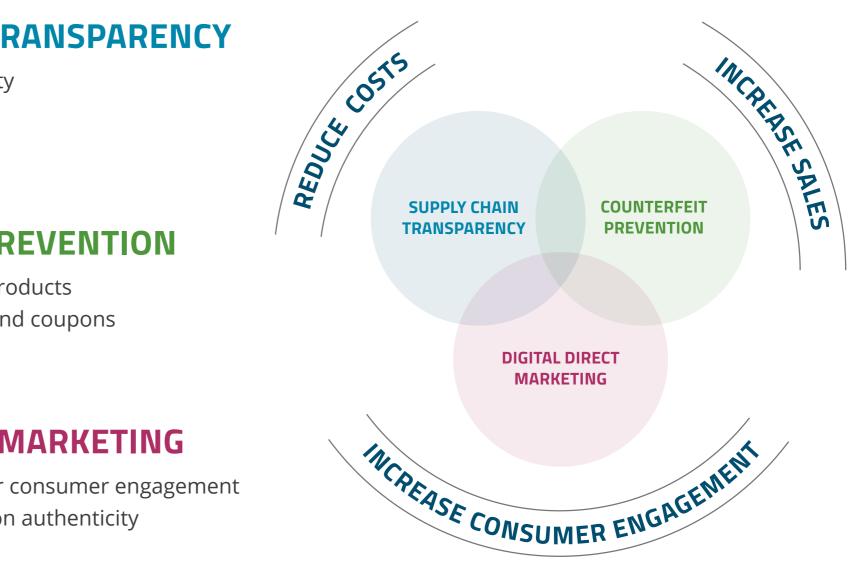
Validate authenticity of products Prevent fraud in goods, and coupons Deter product diversion



### **DIGITAL DIRECT MARKETING**

Establish new channel for consumer engagement Guarantee communication authenticity





### BUILDING TRUST is the cornerstone of SigmaLedger's use cases and the common thread of the Food & Agriculture industry's challenges



### SAFETY

- Product Authenticity and Counterfeit
  Prevention
- Improved accuracy and speed of recalls
- Temperature Control



### TRACEABILITY

- Proof of origin
- Ingredient transparency
- Supply chain visibility



### **CONSUMER ENGAGEMENT**

- Communication and promotions
- Feedback
- Statistics of product interest and usage





### **BRAND ENHANCEMENT**

- Environmental sustainability
- Competition against generics
- Connection through consumer interest and buying habits



## Safety is top of mind to everyone and it certainly is for SigmaLedger

### **PRODUCT AUTHENTICITY AND COUNTERFEIT PREVENTION**

Fraud prevention relies on validating authenticity; ability to deter product diversion is key measure of success

### **IMPROVED ACCURACY AND SPEED OF RECALLS**

Recalls are more surgical with high level of precision (down to farm lot level) with real time communication to consumers

### **TEMPERATURE CONTROL**

Sensors immediately detect and alert manufacturers and logistic providers to non-optimal and unsafe conditions





## True traceability includes everyone who touches your product every step of the way

### **PROOF OF ORIGIN**

Pinpointing product origin down to the farm and lot level provides peace of mind to consumers and makes recalls more manageable

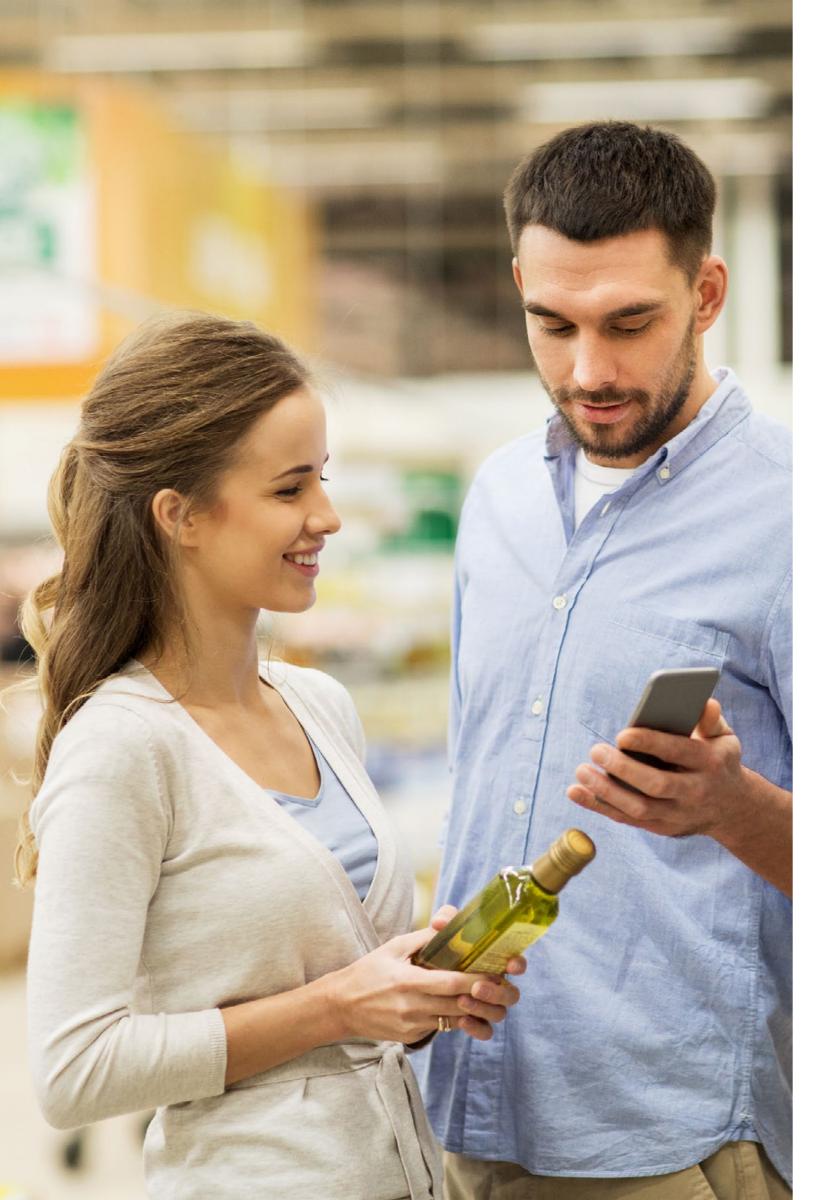
### **INGREDIENT TRANSPARENCY**

Each ingredient, as well as each variable within an ingredient, is detailed with immediate access and transparency

### **SUPPLY CHAIN VISIBILITY**

Transparency along the supply chain provides end to end visibility with no chance of data loss or tampering





## **Consumer engagement** is SigmaLedger's key differentiator

### **COMMUNICATION AND PROMOTIONS**

Consumers have the power to opt in to Brand-guaranteed authentic communication tailored to their specific stage of interest and purchase; promotions are targeted

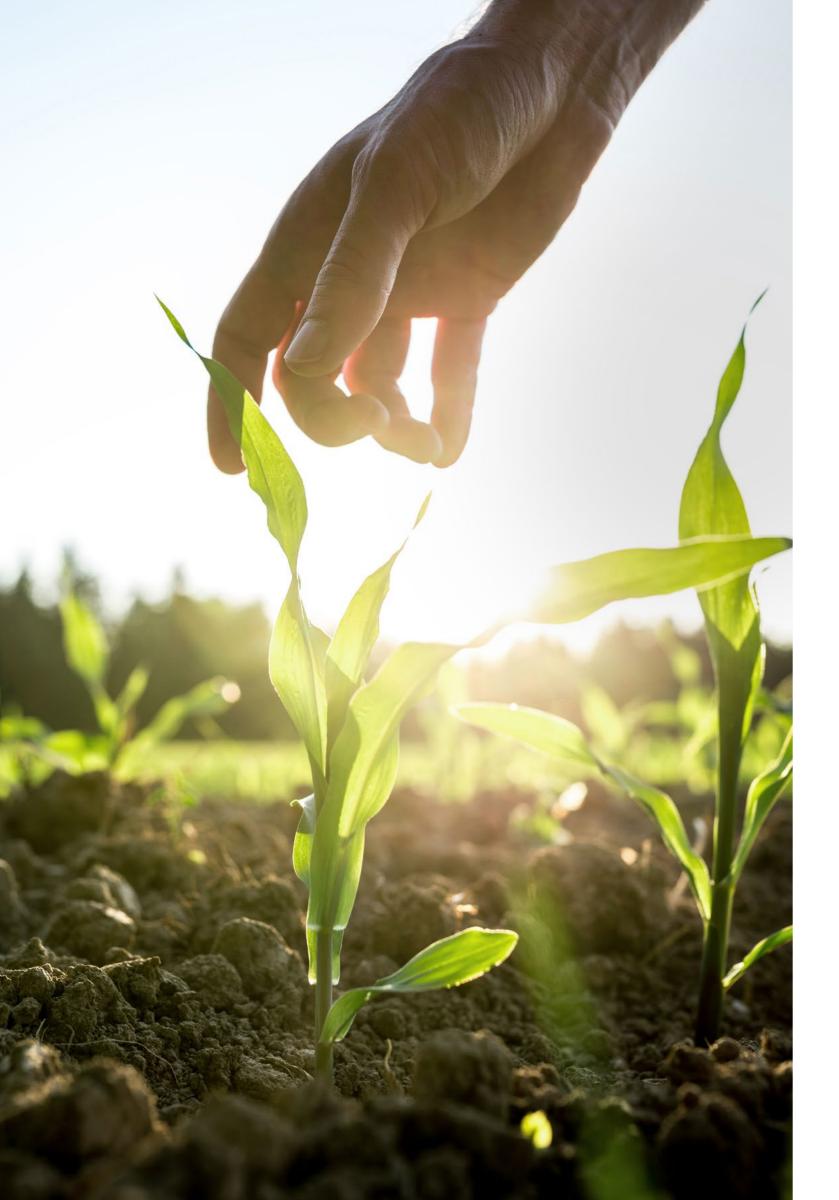
### **FEEDBACK**

Consumers can provide anonymous feedback for all purchased products and ensure receipt of immediate product issue notifications from Brand

### STATISTICS OF PRODUCT INTEREST AND USAGE

Statistics are gathered for every stage of product interaction in the offline world - similar to online tracking





## **Brand Enhancement provides valuable** benefits not usually associated with blockchain

### **ENVIRONMENTAL SUSTAINABILITY**

Demonstrated sustainability is a prerequisite for both consumers and brands; the ability to prove the effect on our environment is no longer a "nice to have" component

### **COMPETITION AGAINST GENERICS**

The ability to communicate the benefits of your Brand vs the generic substitute at the moment a consumer is making the buying decision is essential

### **CONNECTION THROUGH CONSUMER INTEREST AND BUYING HABITS**

Personalized interaction with consumers at their stage within the buying funnel allows a deeper reciprocal relationship



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