

Presented in Zug by Angel Versetti



Ambrosus

Trusted Quality of Products

What It Is

Combining high-tech sensors, blockchain protocol and smart contracts, Ambrosus is building a universally verifiable, community-driven ecosystem to assure the quality, safety & origins of products.

Ambrosus Ecosystem



Supply Chain 2.0

intelligent governance of supply chains with full control of processes, quality and tracing



Data Transformation

sensors generate valuable data about goods and shipments that can be monetised



Direct Deals

commodities exchange platform and decentralised marketplaces open new paths to commerce



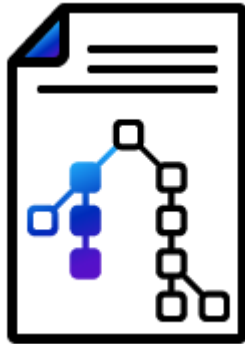
Distributed Versatility

from nanosensors to supercomputers, all devices interoperate with no central node

Core Technology



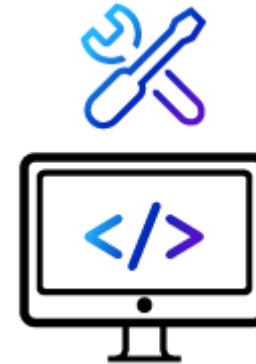
Sensor Systems



Blockchain



Secure Storage

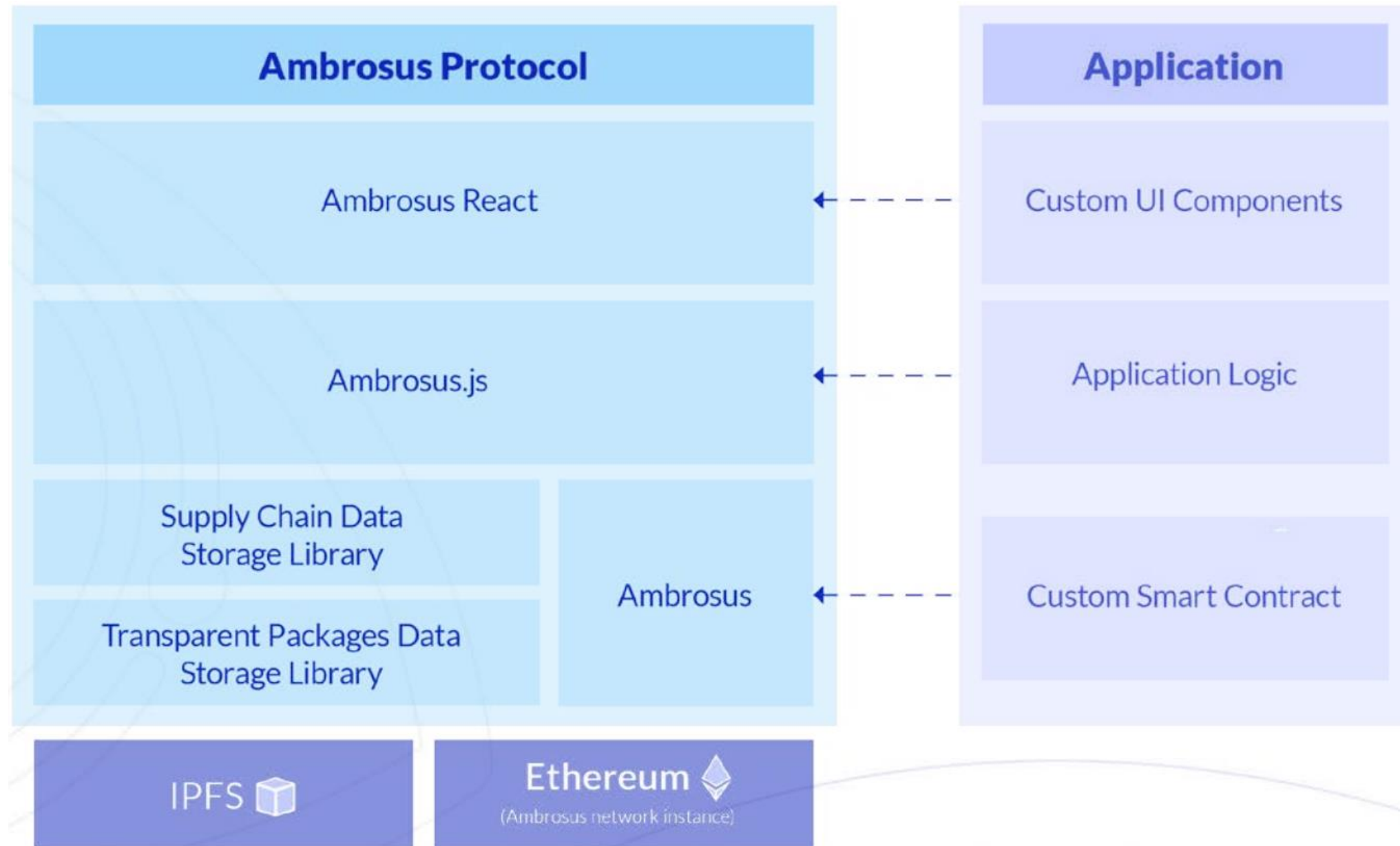


Developer Tools

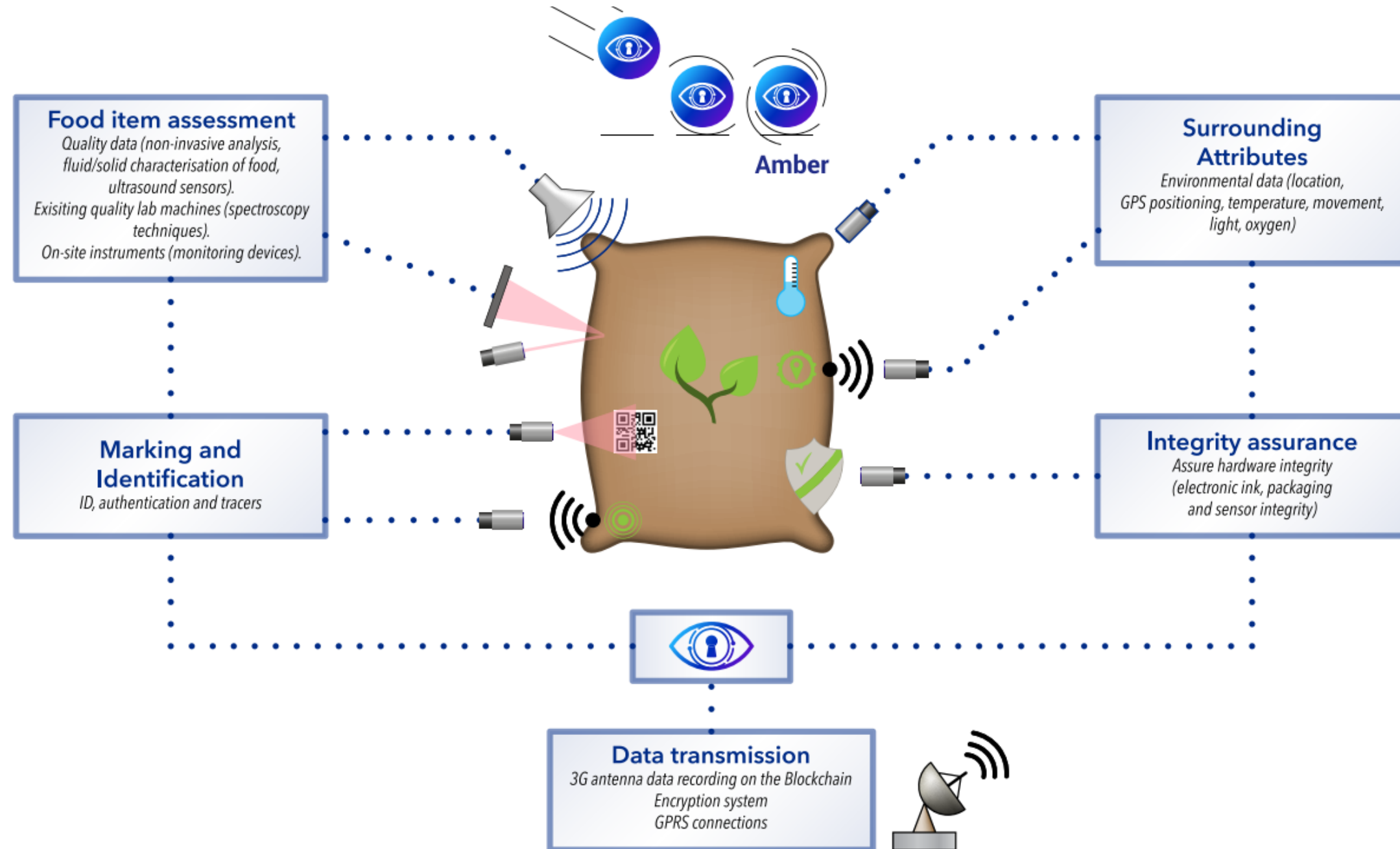


Amber

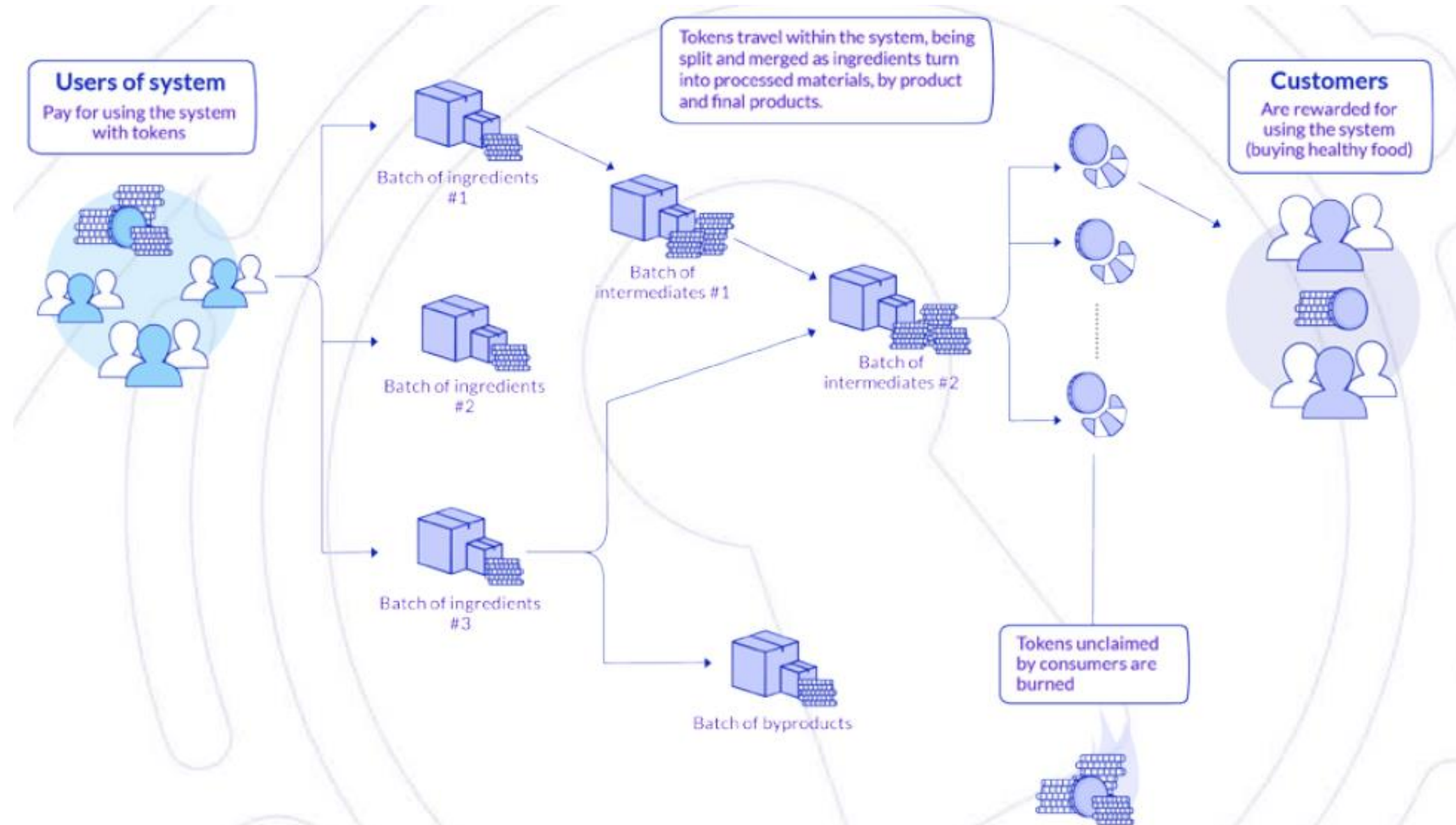
Ambrosus Protocol (v.0.5)



Turning Sensors into Oracles



Amber (AMB): Data-Bonded Token



Serves as Digital Birth Certificate and History of Life for Products



Use-Case: Quality Assurance Ambrøsus





Scan this QR code with your smartphone to see the UI for the app

Use-Case: Supply Chain Management

DASHBOARD CONTRACTS PROFILE ADMIN

< Back

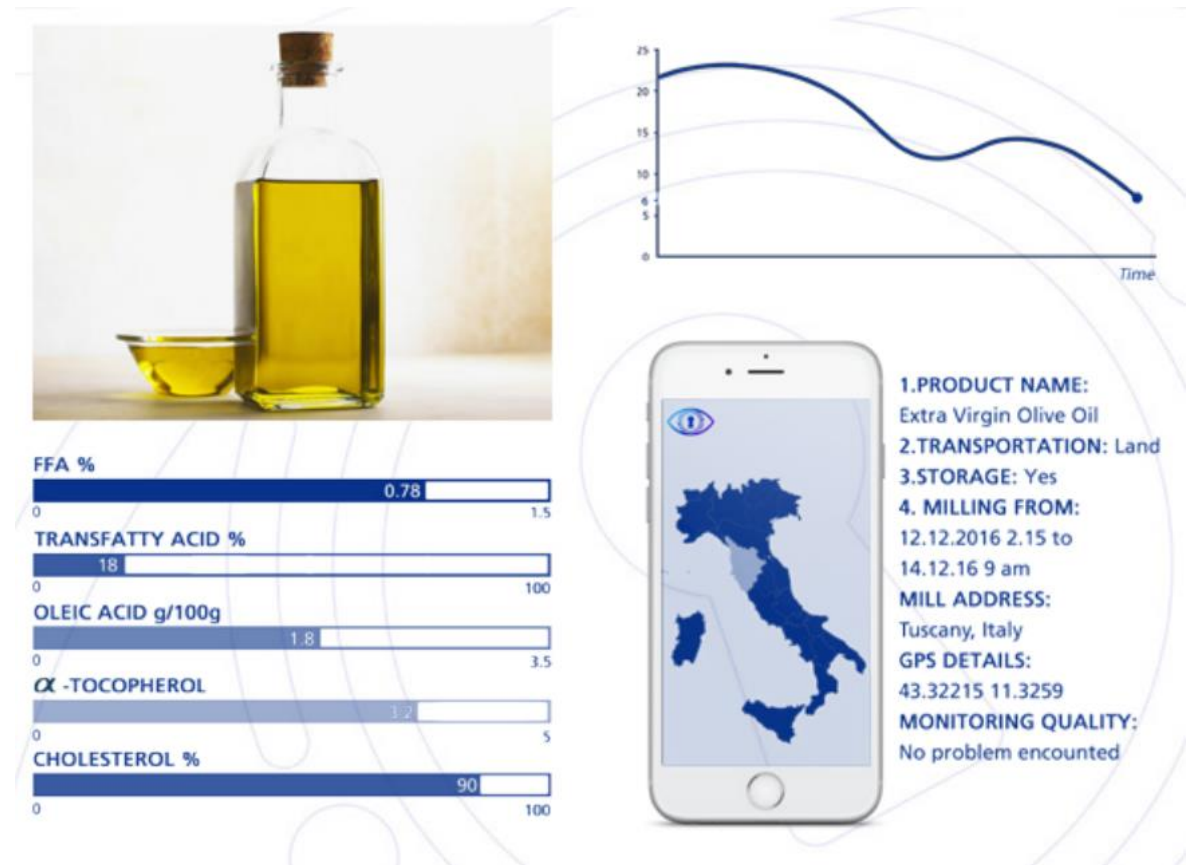
ARGENTINIAN STEAK COMPANY 1 
id: 05552555

ARGENTINIAN STEAK COMPANY 1  09 May, '17

- ^ Arrive to Factory
 - ✓ Weight (Kg)
- ^ Cold Delivery
 - ✓ Storage T (2-6 C)
 - ✓ Storage T (2-6 C)
 - ✓ Storage T (2-6 C)
 - ✓ Storage T (2-6 C)
 - ✗ Storage T (2-6 C)
- ^ Composition Analysis
 - ✓ Softness of Meat (75-85)
 - ✓ Protein Content (10-12)
 - ✗ Fat Content (4-7)
 - ✗ Presence of Lead (in 0.001)
 - ✓ Juiciness Index (95-105)
 - ✓ Refraction Index (1-5)
- ^ Delivery to Shop
 - ✓ Storage T (2-6 C)
 - ✓ Storage T (2-6 C)
 - ✗ Storage T (2-6 C)

Requirements

| Name | Min | Max |
|-----------------------------|-----|-------|
| Weight (Kg) | 1 | 10000 |
| Storage T (2-6 C) | 2 | 6 |
| Softness of Meat (75-85) | 75 | 85 |
| Protein Content (10-12) | 10 | 12 |
| Fat Content (4-7) | 4 | 7 |
| Organic Farm? | 1 | 1 |
| Presence of Lead (in 0.001) | 1 | 5 |
| Refraction Index (1-5) | 1 | 5 |
| Juiciness Index (95-105) | 95 | 105 |
| Organic Farm? | 1 | 1 |



Use-Case: P2P Quality Marketplace



MARKET

ORDERS

PROFILE

Market > Fish > Champion



REQUIREMENTS

| | |
|------------------------|--------------|
| Medium | |
| Temperature: | 0.00 – 5.00 |
| Formaldehyde: | 0.50 – 5.00 |
| Peroxide: | 0.50 – 10.00 |
| Defects and blemishes: | 0 – 15 |

True Tunas

Category: Anchovies

Seller: 0x888623a6deec123c844bcefd57be30b8bc0a5e27

MEASUREMENTS

✓ Inspection 18 Feb 2017

Origin: Norway

Type: Free

Method of fishing: Line

✓ Loading 18 Feb 2017

Weight: 20kg

✓ Transport 18 Feb 2017

Buy product

Price: € 0.84 /kg

Price per package: €0.1

Per package: 0.12 kg

Packages:

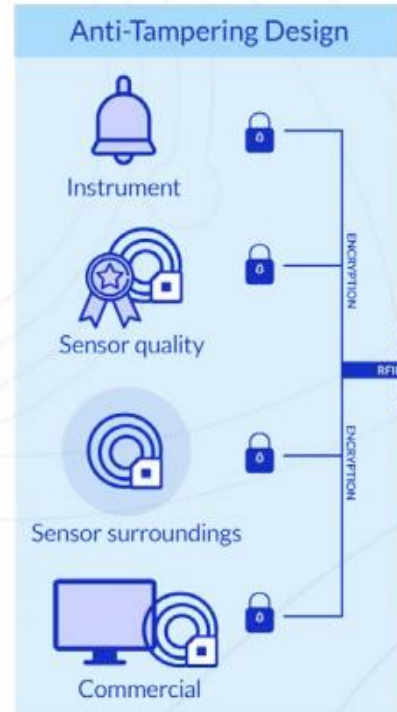
Buy product

Open-Source Ecosystem

Functional Use-Cases:

Data Analytics
Data Visualisation
Secure Storage
Payment Settlements
Real-Time Audit
Blockchain + IoT
Authenticity of Origins
Integration of Software
Sandbox for Developers
Instant Monetisation

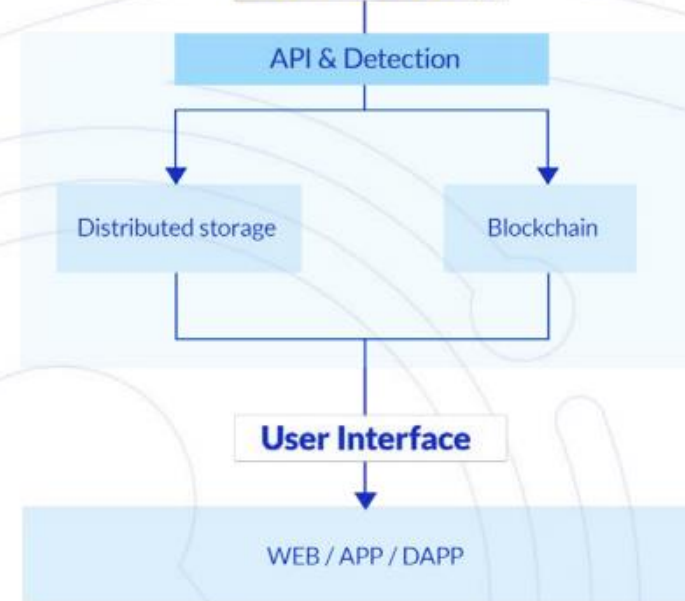
Stationary / On-site / Mobile Detection System



Edge Gateway



Internal Gateway



Industries:

Food & Beverage
Pharmaceuticals
Fuels & Minerals
Precious Metals
Luxury Items
Logistics

Core Team & Advisors

CORE TEAM:

Ex Director EPFL FNC
Ex UN Global Project Lead
Ex VP Daftcode
Ex VP J.P. Morgan
Ex Head of Lab Harvard
Ex Lead Dev at Assertis
Ex Lead Dev at Storj
Ex Prof Microelectronics



ADVISORS:

Ex-CIO of UBS / President CVA
Global R&D Lead at Nestle
Chairman of LDJ Capital
Ex-VP JP Morgan / Credit Suisse
Cofounder Web of Things
Cofounder Coinsetter
Managing Partner Kenetic Capital
Head of Lab EPFL

CORE TECHNOLOGY PARTNER - PARITY:

Cofounder/CTO Ethereum
Cofounder Parity/Provenance

20 New Hires (Oct-
Dec 2017): R&D,
Product, Business

Support & Partnerships



Hyperfast Expansion

Ambrosus Launch: 19 July 2017

50'000+ Community Members in 106+ countries

10+ Top Tier Awards/Conferences

100+ Press Articles/Mentions

25+ Public Partnerships Established

100+ Partnerships Negotiated



Roadmap

2017-2020 – Building the World's First Open-Source Blockchain Ecosystem for Supply Chain

2017 → Pilot Projects / Experimental Designs

2018 → Hybrid Semi-Decentralised Solutions

2019 → Autonomous Supply Chains

2020 → Intelligent Product Flows for Smart Cities

Full roadmap: blog.ambrosus.com



Thank You for Your Attention!

info@ambrosus.com



Ambrosus

EPFL Innovation Park, Station 13, Lausanne, 1015, Suisse
Crypto Valley, Gotthardstrasse 26, Zug, 6300, Schweiz

We are hiring! We are seeking industrial partners!