IoT Logistics, LLC

Asset Tracking & Traceability
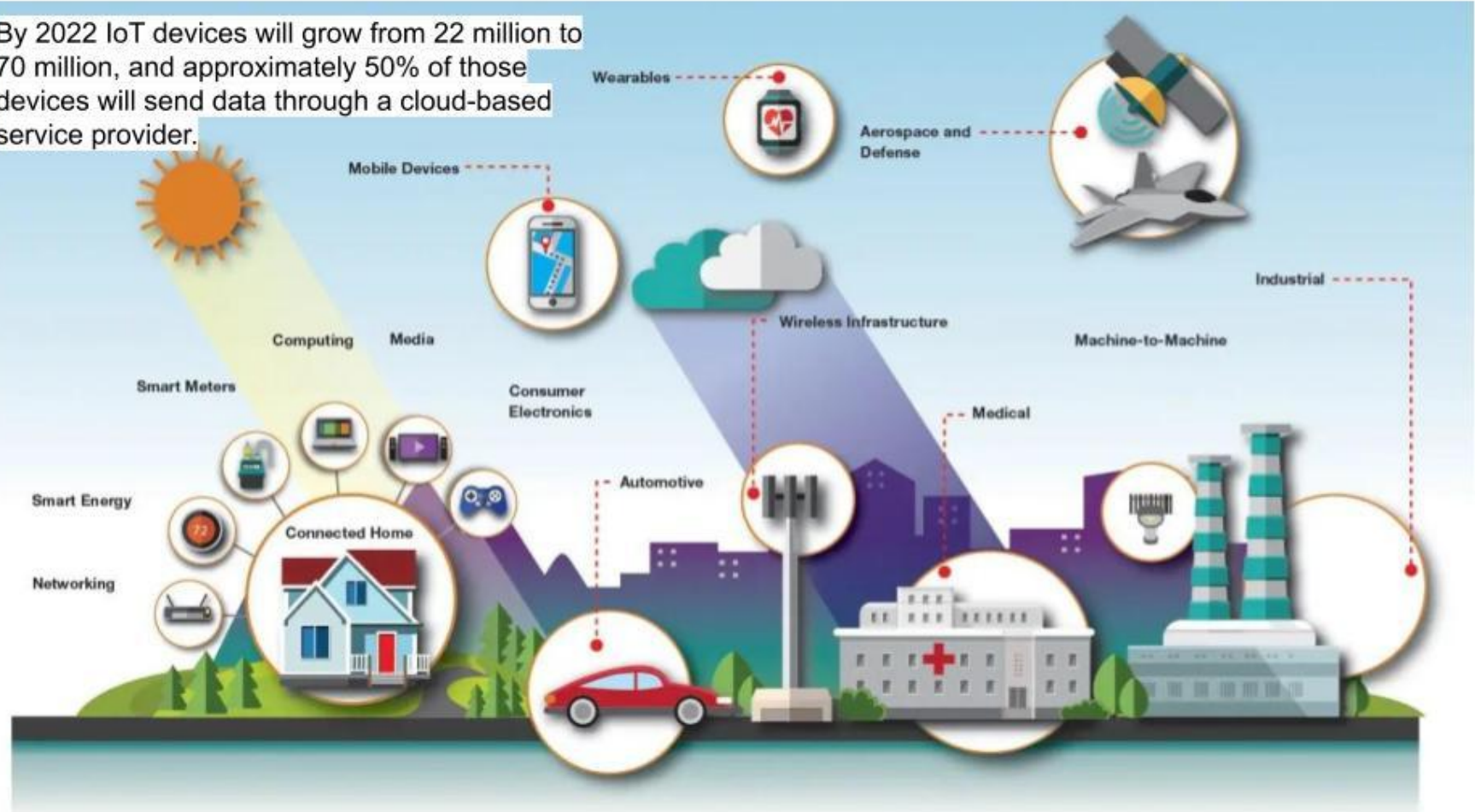### using IoT technology enabled w/ Blockchain & AI

IoT Logistics, LLC

By 2022 IoT devices will grow from 22 million to 70 million, and approximately 50% of those devices will send data through a cloud-based service provider.

Executive Summary

- **IoT Logistics** uses state-of-the-art IoT (Internet of Things), AI & Blockchain Technology to track any size shipment for a competitive rate 3-5 times <u>lower</u> per item than current tracking methods.

- Tracking devices can be small enough to be integrated into the individual packaging such as a medicine bottle. Larger devices track assets regardless of shape/size.

- Tracking devices monitor temperature, humidity movement and geo-location of assets.

- Tracking device-enabled shipments can be monitored in real time via a dedicated software platform integrated with the shipper's and/or receiver's mobile or desktop smart devices..

IoT Logistics, LLC Asset Tracking using Supply Chain Tech
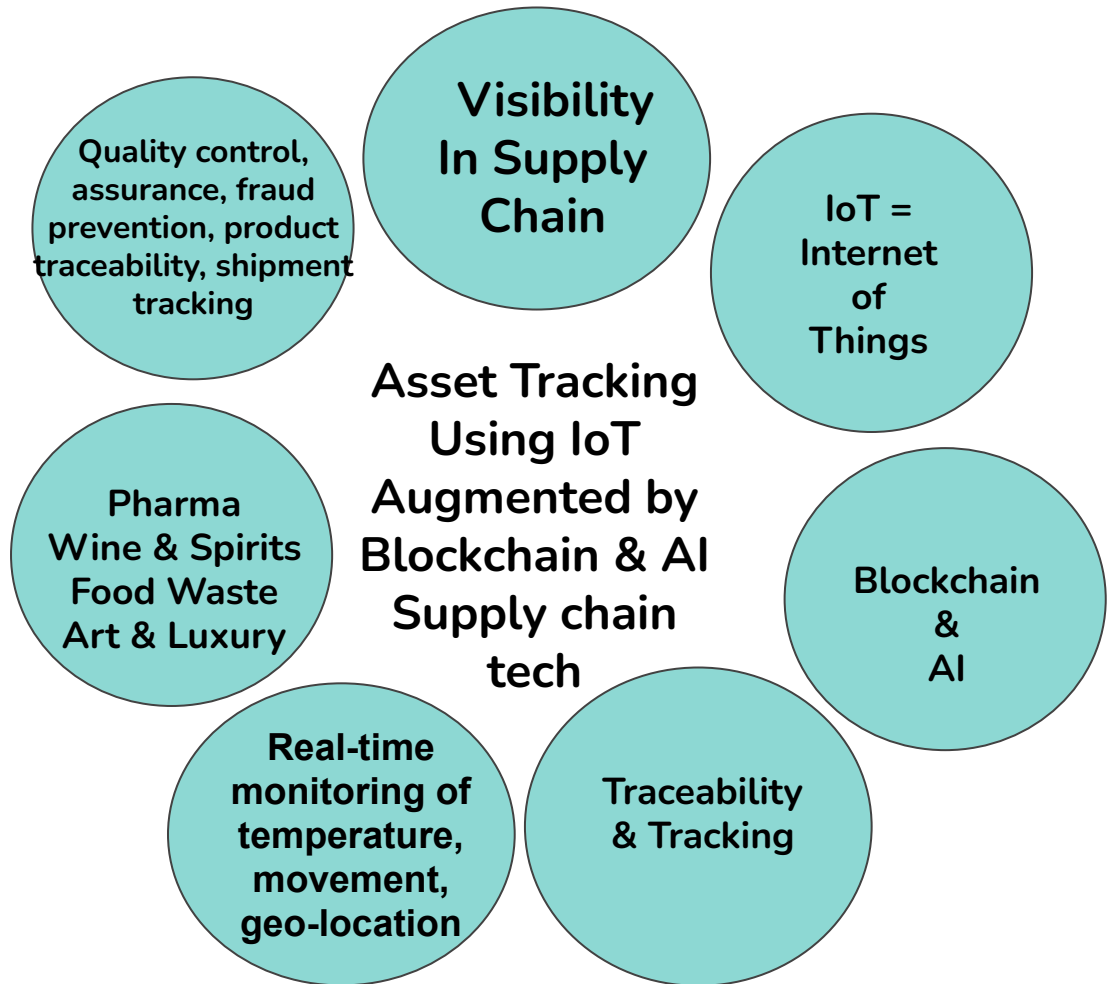
Executive Summary (cont'd.)

- **IoT Logistics, LLC is responding to a real need: Visibility and transparency in supply chain management and logistics. With simultaneous AI optimization for supply routes and product demand. Blockchain is used for smart contract deployment which allows for 'trustless' payment (no human intervention needed) upon delivery. This equates to 'Deliver the goods, Get Paid.'**

- **We offer Cost Optimization of supply chain**

- **Our Service Suite provides affordable, cost-competitive smart sensors for real time monitoring. Smart contracts deployed on the blockchain allow for 'trustless' delivery-payment mechanisms. AI optimizes supply chain routes and product fulfillment.**

- **We belong to 3 bearer markets: B2B Supply Chain, B2C Supply Chain and Last Mile Delivery supply chain**

- **There are no similar offers currently in the EU or the U.S. that uses this particular patented technology which is tailored for seamless integration into individual products and packaging that require cold chain, real-time monitoring.**

IoT Logistics, LLC   Asset Tracking using Supply Chain Tech

IoT Logistics, LLC is the affordable asset tracking service that uses state-of- the-art IoT technology on a wide scale for a broad range of products.
Our Smart Sensors = Cost Optimization of Supply Chain

Quality control, assurance, fraud prevention, product traceability, shipment tracking

Visibility In Supply Chain

IoT = Internet of Things

Asset Tracking Using IoT Augmented by Blockchain & AI Supply chain tech

Pharma Wine & Spirits Food Waste Art & Luxury

Blockchain & AI

Real-time monitoring of temperature, movement, geo-location

Traceability & Tracking

IoT Logistics, LLC
Affordable asset tracking supply chain service that uses state-of-the-art, affordable IoT & Blockchain technology

At present there is no affordable, widely implemented way for companies to track their assets during transport.

This is true for the shipper and the receiver.

This applies to B2B as well as B2C.

The IoT technology devices we use are connected to global IoT Connectivity networks. .
It is affordable, no matter how small or large your shipment. At per item rates of 3 to 5X lower than existing methods, you can track the movement, the temperature, the humidity and geo-location of your asset.
Our service offers quality assurance, product traceability, logistics efficiency and fraud prevention. COST OPTIMIZATION

Large market application, flexibility

- ★ For any type of shipment
- ★ Bulk or individual item
- ★ Container
- ★ Flight
- ★ Ship
- ★ Truck
- ★ Car
- ★ Bicycle
- ★ Optimized routes
- ★ Optimized product supply

More + Pluses

- ❖ Affordability
- ❖ Efficiency
- ❖ Fraud Prevention
- ❖ Traceability
- ❖ Logistics Transparency
- ❖ Temperature monitoring
- ❖ Movement monitoring
- ❖ Geo-location
- ❖ Cost Optimization
- ❖ Blockchain enables trustless delivery verification
- ❖ Blockchain + smart contract enabled payment automation

6%

As of 2017 only 6% of companies reported said they have full visibility into their supply chain... Despite naming it a TOP PRIORITY year after year

Shipping Value Assets Necessitates Foolproof Traceability

IoT Logistics, LLC IoT technology provides real-time geo-location of all shipments at an affordable price point

For cents on the dollar per shipped item, IoT Logistics, LLC provides the technology for traceability on every item shipped.

Our Internet of Things technology provides you with real-time tracking ability that allows you to monitor the temperature, humidity, the movement and the geo-location of your shipments.

Sync your shipments with your mobile or desktop portal to our tracking software

Verify your shipment arrival

Using smart contracts deployed on the blockchain, automatic payment is released as soon as delivery is verified using 'trustless' technology (no human intervention needed)
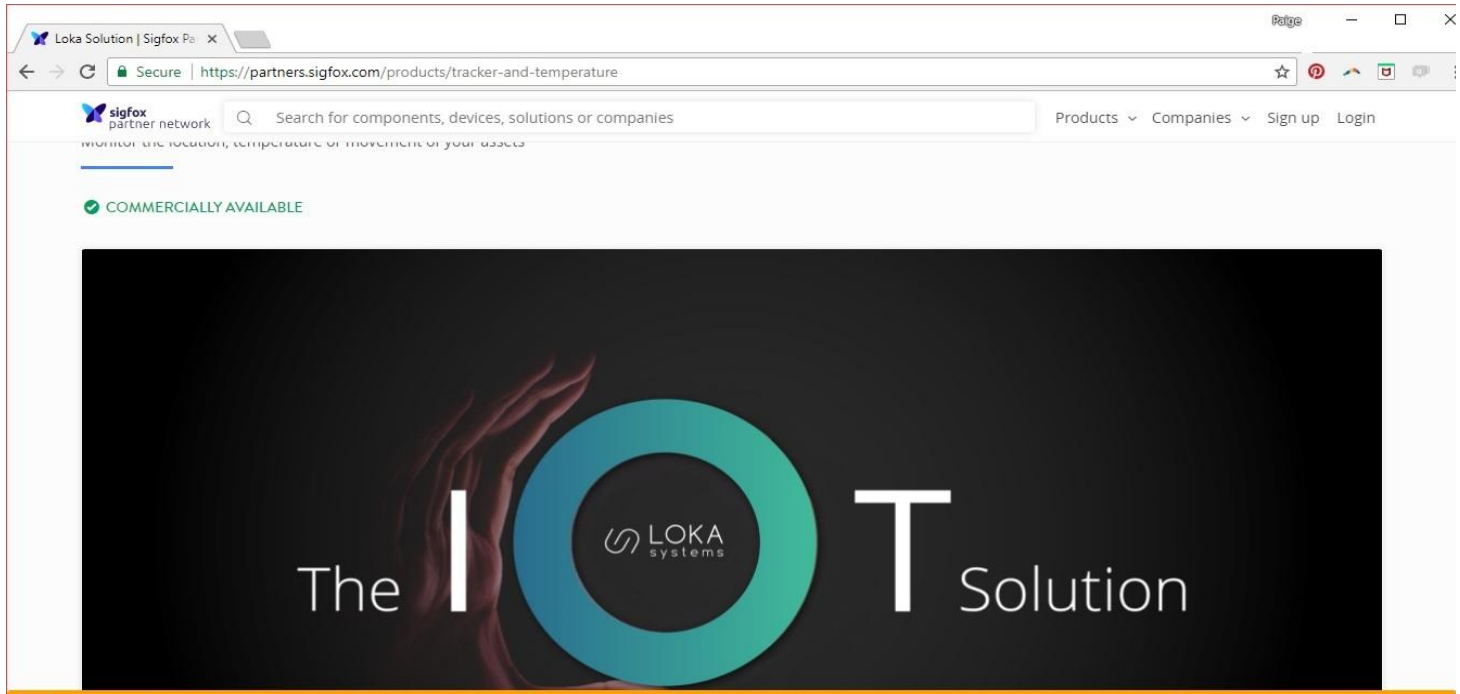
Use Case: The U.S.'s vast, fractured market for wine shipping

Each U.S. state has separate laws regulating shipping winery direct to consumers, winery or bottling-direct to distributors and also use of commercial shippers such as FedEx and UPS which have their own quasi tracking systems. Since small wineries can't use them, there is an urgent need for our affordable traceability shipping IoT technology.

Partial LIst of U.S. State Regulations

California Winery direct shipping permitted; reciprocal retailer shipping permitted. **Colorado** Winery direct shipping permitted; retailer shipping prohibited. **Connecticut** Winery direct shipping permitted, up to 5 gallons every two months; retailer shipping prohibited. **Delaware** Direct shipping prohibited, with on-site exception: Delaware residents may visit an out-of-state winery and bring or ship wine back to their homes, **but shipping by common carriers (FedEx, UPS) is prohibited**. Retailer shipping prohibited. **District of Columbia** Winery direct shipping permitted, up to 1 case per month; retailer shipping permitted. **Florida** Winery direct shipping permitted; retailer shipping prohibited. **New Mexico** Winery direct shipping permitted, up to 2 cases per month; reciprocal retailer shipping permitted. **New York** Winery direct shipping permitted, up to 36 cases per year; retailer shipping prohibited. Oregon Winery direct shipping permitted, up to 2 cases per month; retailer shipping permitted. **Texas** Winery direct shipping permitted, up to 4 cases per year; retailer shipping prohibited. **Utah** Direct shipping prohibited. **Vermont** Winery direct shipping permitted, up to 12 cases per year; retailer shipping prohibited. **Virginia** Winery direct shipping permitted, up to 2 cases per month; retailer shipping permitted. **Washington** Winery direct shipping permitted; retailer shipping prohibited.

Our technology runs on 4G, 5G, LiFi, LoRAwan, MutliRAN, BLE and RF Frequencies. We also use Blockchain technology for smart contract deployment. We offer a range of smart sensors in varying sizes including printable electronics.

*LPWAN
Low
Power
Wide
Area
Network

IoT Logistics, LLC

1. Executive summary
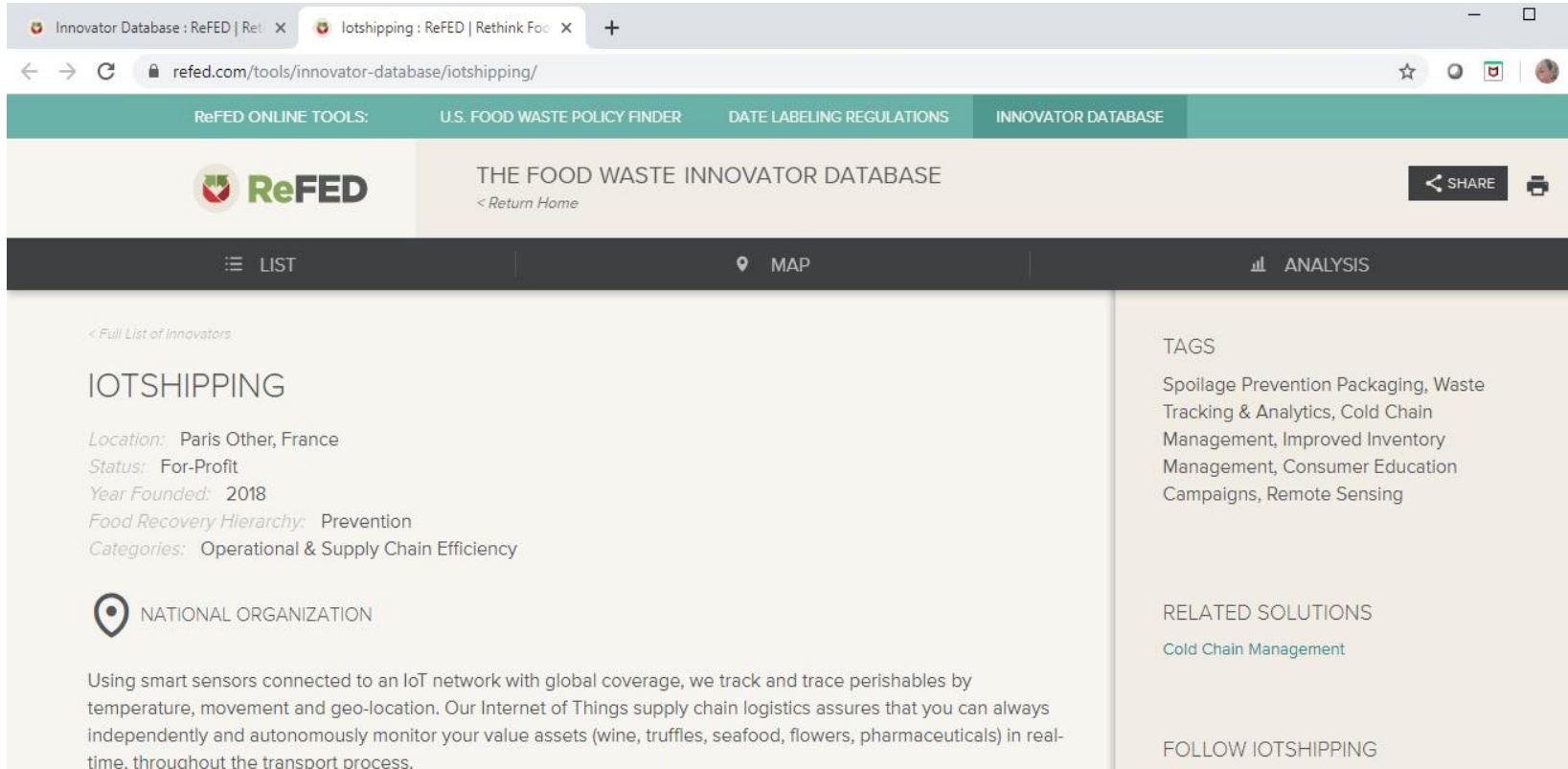2. IoT Logistics, LLC Presentation
3. Market Study
4. **Visual Elements**
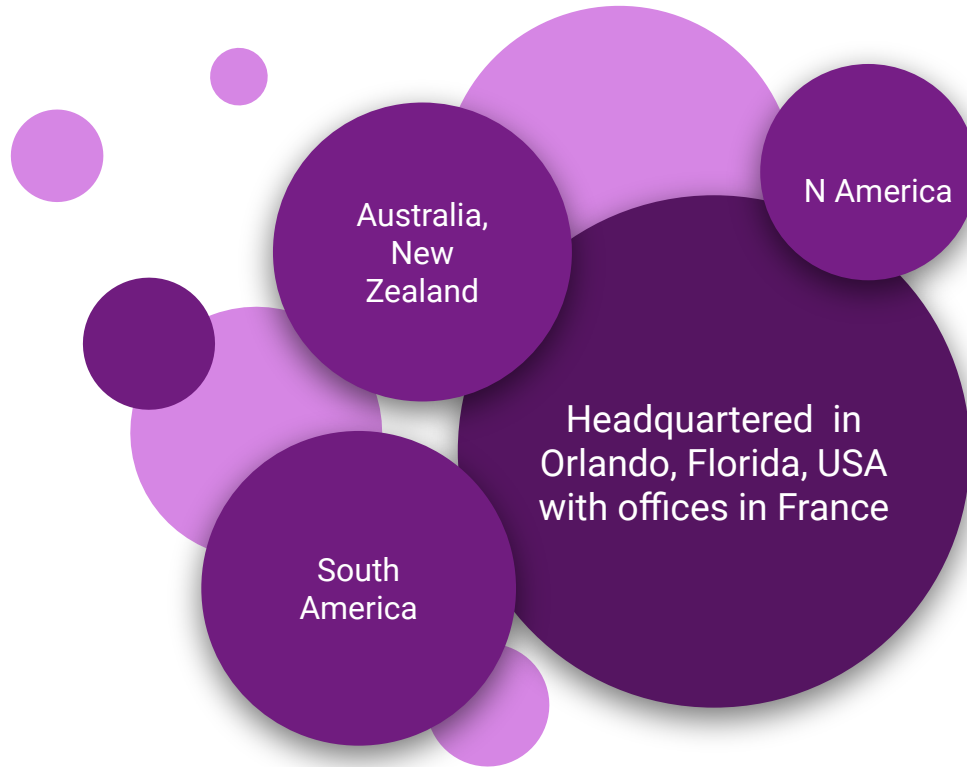
Australia, New Zealand

N America

South America

Headquartered in Orlando, Florida, USA with offices in France

Food Waste Reduction Innovator
US EPA & FDA Recognized

IoT Logistics, LLC

Asset tracking and traceability using IoT supply chain tech optimized with Blockchain and AI

Contact: Paige Donner
paige@iotshipping.xyz
+1 786 - 633-2578
https://iotlogistics.international
IoT Logistics, LLC
CAGE Code 8MQ90 - Federal Govt Contractor