Emerald Circuit Smart Logistics Solutions:
From Sensor To Blockchain

"The use of standard data transmission systems will certainly spread across the world – on every container, in every vehicle and in a high number of valuable individual shipments. But that's not all. The sensors we use will become more powerful and more intelligent than they are today." - DHL

Smart Logistics: The utilization of cloud networks, sensors, and devices, to connect, manage, and respond to the movement of products transported between stakeholders.

Problems to be Fixed

The core problem affecting the logistics industry revolves around the lack of digitization among stakeholders: Real-time product management, anti-tampering, and digital product management remain in their early stages of adoption. Coupled with changing business expectations for products to be shipped quickly and for low-costs, the industry is undergoing it's largest period of disruption and innovation in more than four decades. Key Bottlenecks to the adoption of smart and automated systems include high setup costs, and a lack of technical literacy.

Emerald Circuit Solutions

Smart Pallets and Smart Containers: For guaranteed product security, real time geolocation, and temperature and humidity monitoring, Emerald Circuit is able to introduce third party logistics providers, air freight carriers, and warehouse operators to a simple, secure, and manageable IoT network.

Primary Value Provided

For logistics providers Emerald Circuit solutions will provide easy-access to digital services and insights: from analytics and alerts, to collaborative business models, and documentation streamlining. Temperature and Humidity sensors built into the smart container provide exceptional security and anti-tampering services to cold-chain logistics companies as well.

Market Size and Geographical Hot Spots

The connected logistics market is expected to be valued at $27 billion US Dollars by 2023, with geographical hotspots arising in India, China, and the United States.