

CASE STUDY

BLOCKCHAIN FOR MATERIAL IN TRANSIT TRACKING & DIGITAL PROVENANCE

Autonomous Digital Supply Chain ecosystem that connects the suppliers to manufacturers to logistics and end customers for SKU level tracking of materials from source to destination across multi modal transportation systems.

VALUE >> 13% reduction in cost across value chain with the use of Blockchain & Smart Contract for in-transit tracking.



BUSINESS NEEDS

- ❑ Lack of SKU (Stock Keeping Unit) level info due to multilevel package aggregation.
- ❑ Huge TAT (Turn Around Time) for match up shipments data.
- ❑ Temperature controlled / Hazmat items tracking challenges.
- ❑ Disparate siloes business systems with limited information exchange leading to collaboration issues.



STRATEGY & SOLUTIONS

- ❑ The solution is an in-transit SKU level tracking solution from source to destination through multi modal transportation network.
- ❑ The solution leverages Blockchain technology, Smart Contract and QR codes.
- ❑ The solution seamlessly integrates with major logistics solution provider systems



BENEFITS

- >>> Reduce cost of collaboration and increased traceability.
- >>> Increased transparency, immutability and data security across the network.
- >>> Digital Data Trust between parties
- >>> Improved Quality Assurance on time delivery and payment processing across the value chain network.