UNLOCKING THE POWER OF

BLOCKCHAIN

INTEGRATED WITH SAGE X3 ERP

LEVERAGING BLOCKCHAIN WITH SAGE X3

Coleslaw Salad is a nutritional powerhouse packed with antioxidant ingredients which have Cancer fighting properties, Vitamins C, K, B, Potassium and Folate.

Do you know what goes into your Coleslaw Salad?

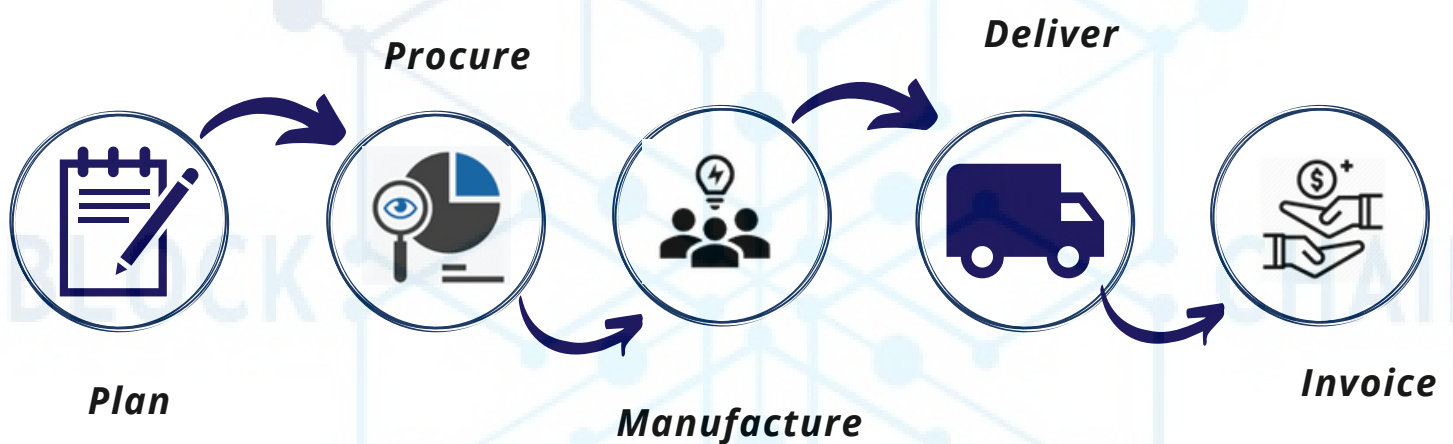The food which we consume undertakes a journey from raw material to a finished & ready to eat product.

While we enjoy our Coleslaw Salad, some of the deeper questions that still linger our minds are-

- *Are the ingredients sustainably sourced?*
- *Who are the different stakeholders who handled those ingredients?*
- *How did the grocer procure the food?*
- *Was there any raw material batch which was affected by product recall?*

Answers to these questions would interest any producer, retailer, or customer for multiple reasons. Intelligent insights to all these questions have focussed on the food-traceability with the help of Blockchain integrated with ERP.

Every party in the entire supply chain can have an ERP system. The drawback of these traditional ERP systems is interoperability or seamless integration with each other.
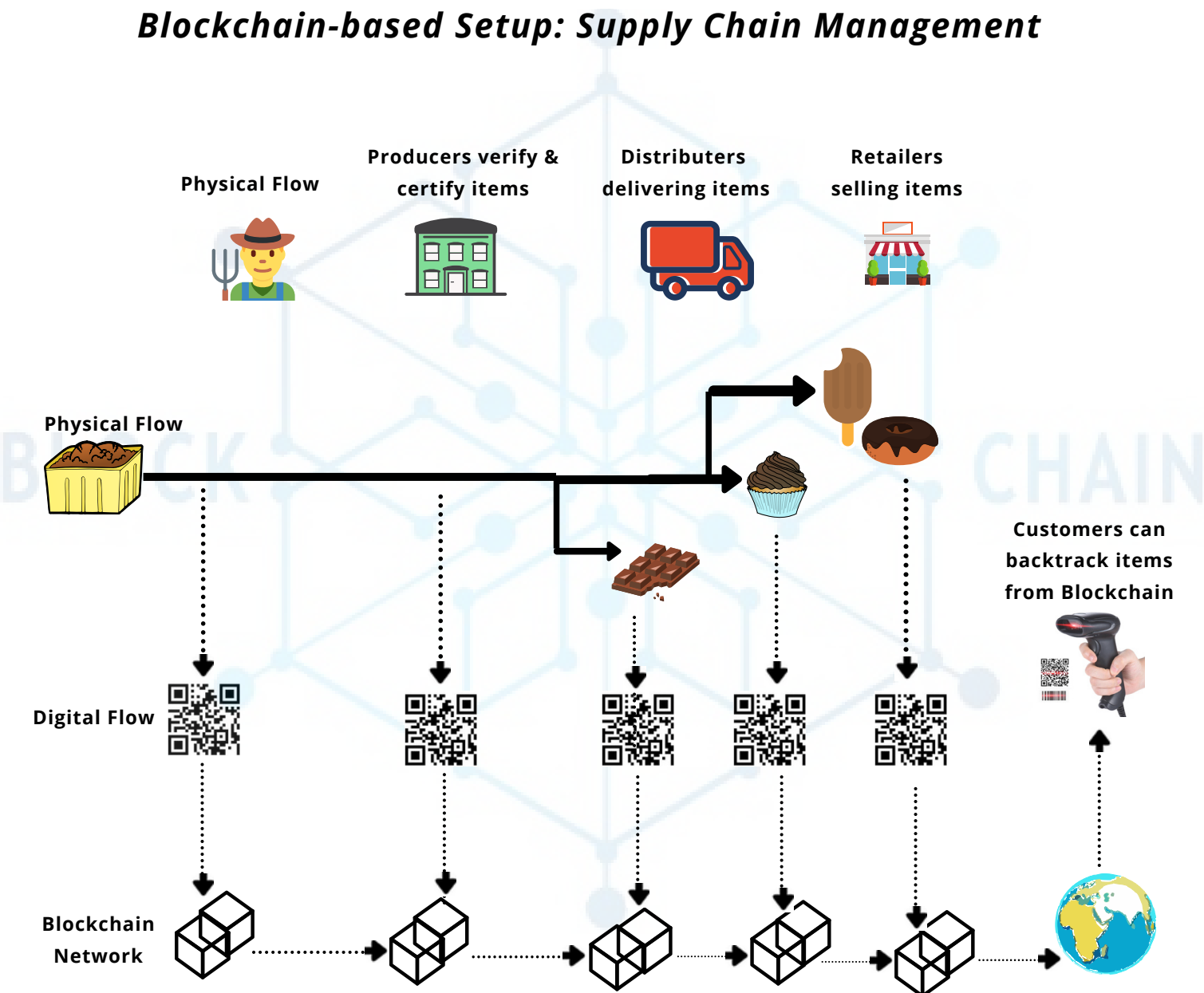
Traditional Setup: Supply Chain Management

Plan → Procure → Manufacture → Deliver → Invoice

A wholesaler might know what is coming from the docking stage and what is being sent to a retailer. At any point in time, backward and forward **Visibility is a hindrance** to transparent accountability. Thus, in short, each company's "Trust" ends at their system.

GERMINIT

Blockchain solves the visibility problem within the supply chain. Every party in the supply chain (manufacturer to retailer) can trace the product's journey helping to eliminate product diversion and counterfeiting.

Blockchain-based Setup: Supply Chain Management

Physical Flow

Producers verify & certify items

Distributers delivering items

Retailers selling items

Physical Flow

Customers can backtrack items from Blockchain

Digital Flow

Blockchain Network

Blockchain fills those trust gaps between siloed and disconnected ERPs by providing visibility throughout the supply chain.

Counting on
VISIBILITY & TRACEABILITY

As foods and ingredients move through determined supply chain points, a connected farm-to-consumer food chain can be quite complex. Integrating Blockchain into the process, enterprises can build the capability of scanning and aggregating the data and trace the origins of each ingredient that goes in the process.

- The next advantage of the Blockchain network is 'Data Immutability'.
- Information stored in the Blockchain cannot be altered or corrupted.
- A blockchain-powered barcode enabled product can be scanned by anyone to know its provenance.

The immutability of the Blockchain can provide a level of credibility that no package label really can.

Here is the Cherry on the Top!

Leveraging the Power of Smart Contracts – a protocol that automates a Business Transaction.

A smart contract can benefit any organization with faster and hassle-free business processes by automating multiple business processes which otherwise would have taken a lot of manual effort to execute.

When a business receives any product order, **a smart contract can automatically trigger the shipment of the finished good when it is processed. Post the shipment is carried out, the smart contract can conclusively trigger an invoice.**

ERPs and Blockchain are bound to work together and neither is replacing the other in the ecosystem. While currently, we talk about three to four use cases of blockchain integrated with ERP, with technology maturity, there will be more adoptions of this disruptive technology.

———

"Blockchain-based ERP systems will offer the best supply-chain-management options.
The future will be ruled by technology integration rather than its displacement."

———

We at **GerminIT** work on creating high impact pilots blending **Emerging Technologies with Sage X3**.

Reach out to us at
info@germinit.com

India: Madhapur, Hyderabad
US: Sterling, VA, 20164 Herndon,VA,20170.
info@germinit.com
www.germinit.com