Blockchain Use Cases

Use Cases: Agriculture

Blockchain in Farm Inventory

PROBLEM: Farmers face post harvest losses due to their storage techniques and inventory management with multiple vendors.

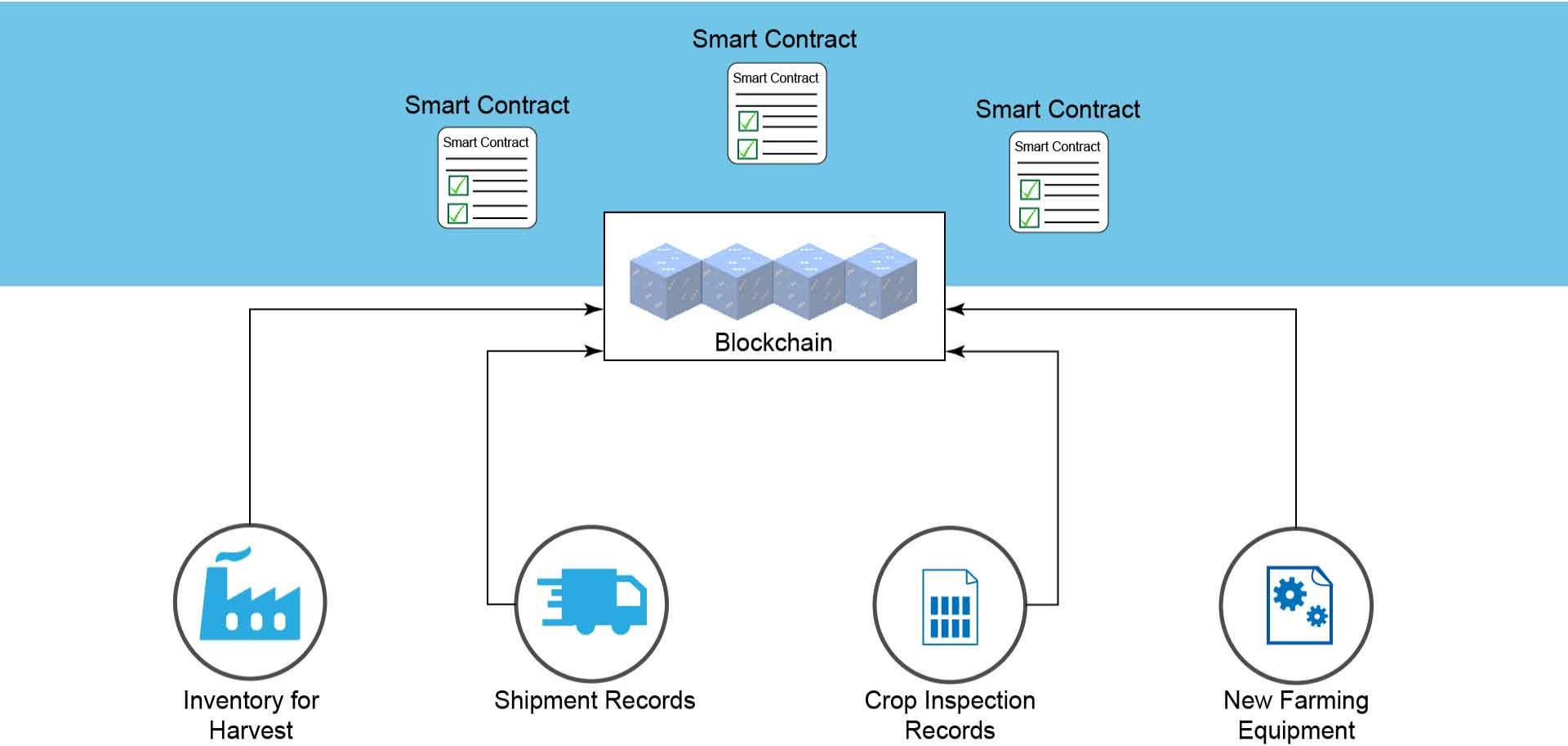
SOLUTION: A Blockchain based peer to peer inventory management.

- Assets can be defined as per the harvest or shipment which can accountable with a unique vendor.
- All parties can track the harvest or shipment. Adjusting their storage and inventory needs
- Ordering new equipment can also be managed with Blockchain.

BENEFITS:

- Cost effective and prevent harvest lost.
- Provide traceability and better inventory management.
- Everyone shares the same information thus enabling seamless communication.
- Creates accountability for vendors and farmers.

Inventory Management System Record Keeping



Blockchain in Fair Pricing

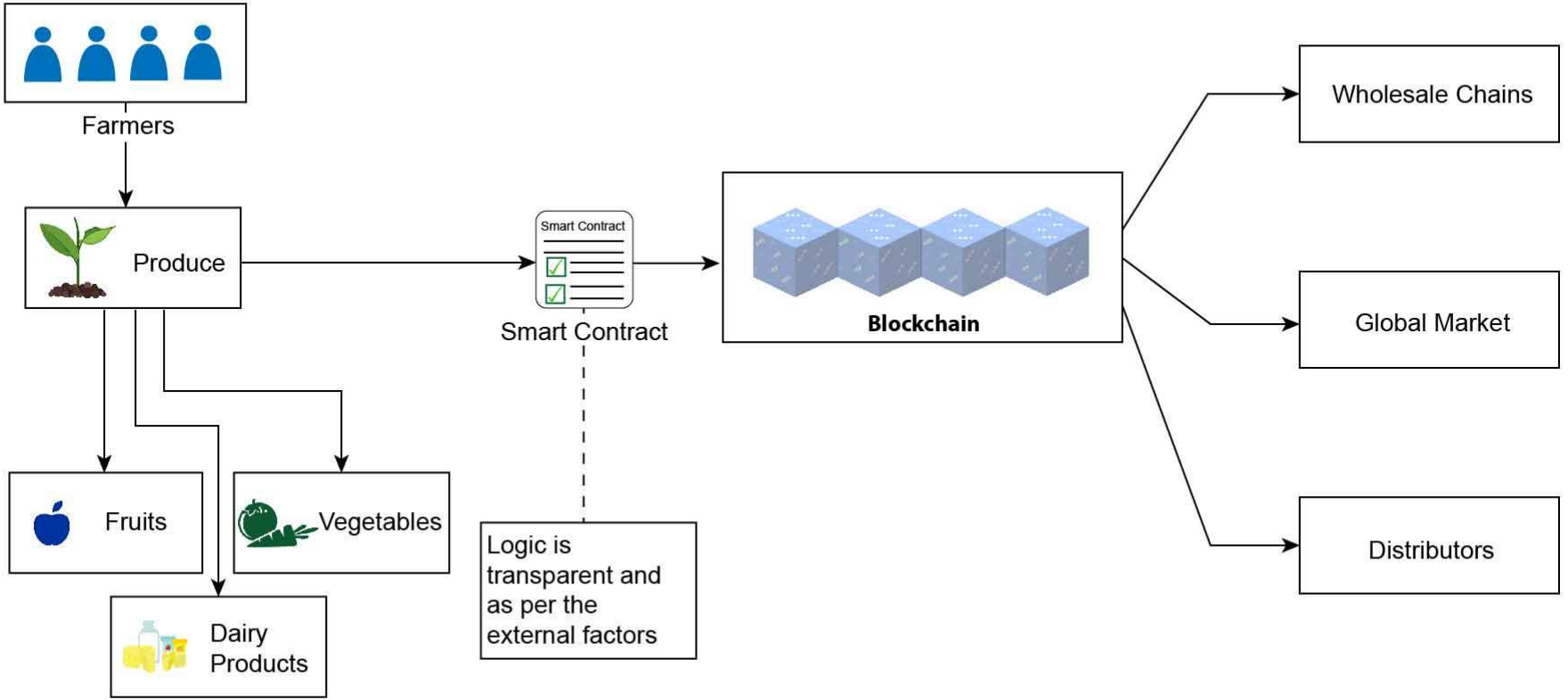
PROBLEM: Farmers income and commodity pricing are extremely volatile due to weather conditions, inelastic demand, inelastic supply and the conditions of global market.

SOLUTION: A Blockchain based peer to peer agricultural produce trading network.

- Initiating a smart contract between global market and farmers, where a fair price can be calculated as per the logic defined under the Smart Contract.
- Token-based transactions will fetch fast money for farmers.
- Demand and Supply can be tracked by maintaining unique ids for the produce.

BENEFITS:

- Cost effective and free from the middleman which causes huge increase in the price of produce from farmers to market.
- Global market supply and demand can be tracked which will help in scheduling the produce.
- A fairer negotiation of price can be achieved with Smart Contracts.



Blockchain in Food Traceability

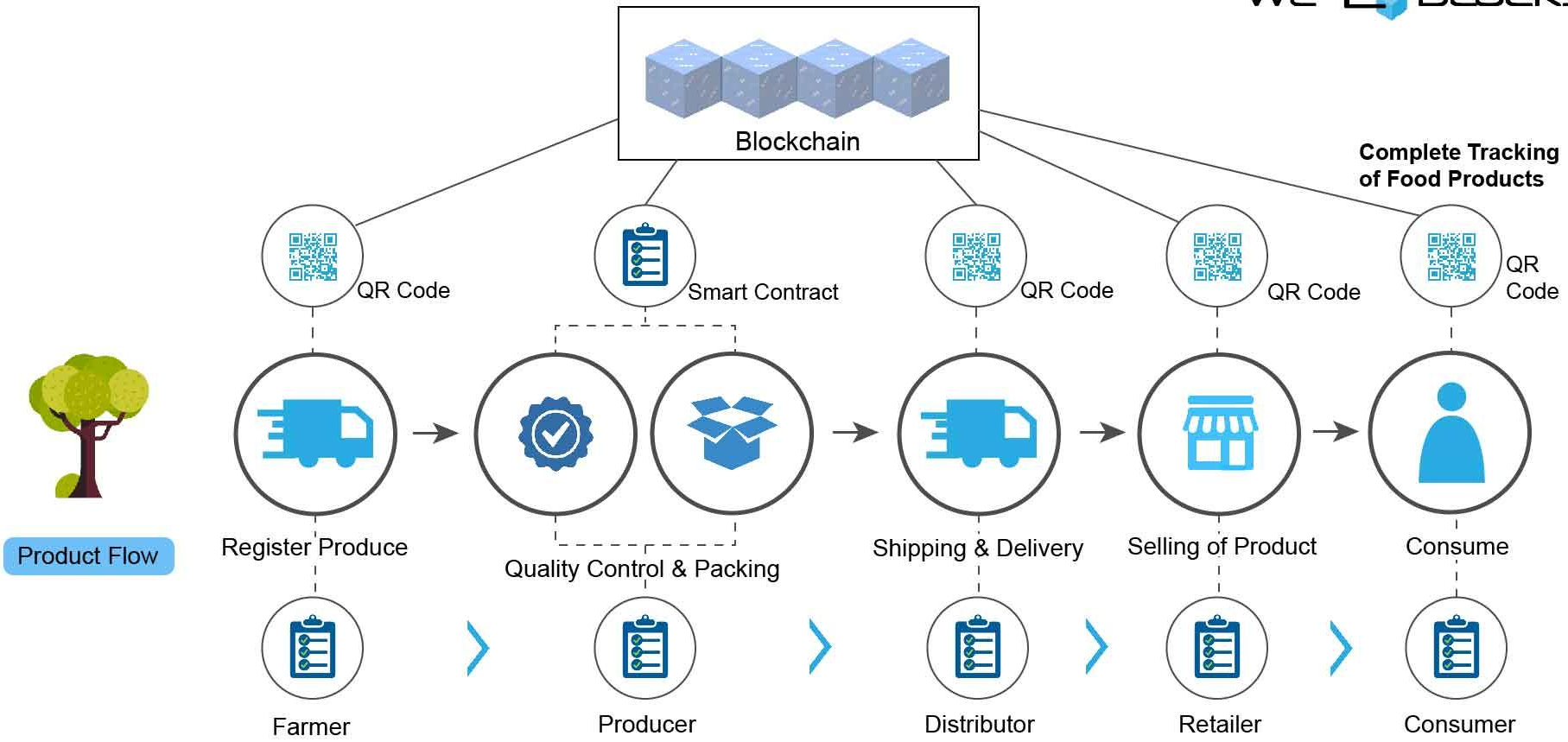
PROBLEM: Current process cannot pinpoint potential sources of contamination in Food. Almost 420,000 people die annually from food contamination.

SOLUTION: A Blockchain based peer to peer food tracking solution.

- Unique IDs can be assigned to the products against which all the parties part of chain could store the data.
- Quality checks in place can validate and authenticate food origins.
- Interoperational Blockchain platform will provide better traceability for companies dependent on each other.

BENEFITS:

- Blockchain enhances the ability to quickly pinpoint potential sources of contamination to efficiently prevent, contain or rectify outbreaks.
- The optimized prevention methods for food safety can help minimize food testing expenses and improve margins.



Blockchain in Agricultural Subsidies

PROBLEM: Companies and people don't have insight on how subsidies are being utilized and how they could benefit them.

SOLUTION: A blockchain-linked database that embraces smart contracts and automation to provide a bigger picture of agricultural subsidies.

- Initiating a smart contract for providing subsidies will help to track them better.
- Tokens can be utilized to provide grants for agricultural subsidies.
- Real-time reporting through Blockchain.

BENEFITS:

- Cost effective and free from the middleman.
- Real time tracking of subsidies will help in market stabilization.
- It will also help in reducing the unsophisticated tax burden over the farmers.

THANK YOU

For more information contact
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