



BLOCKCHAIN

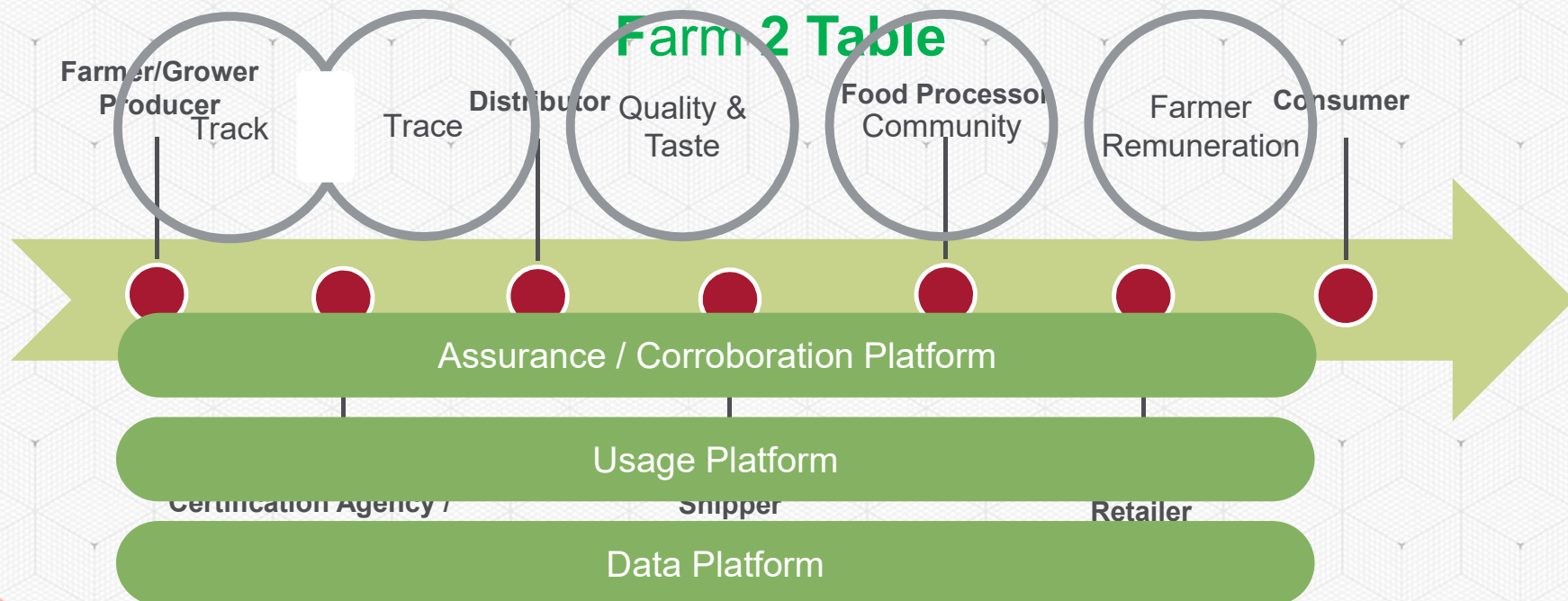
Blockchain Food Supply Chain and Beyond...

CORDA DESIGN TRADE-OFFS

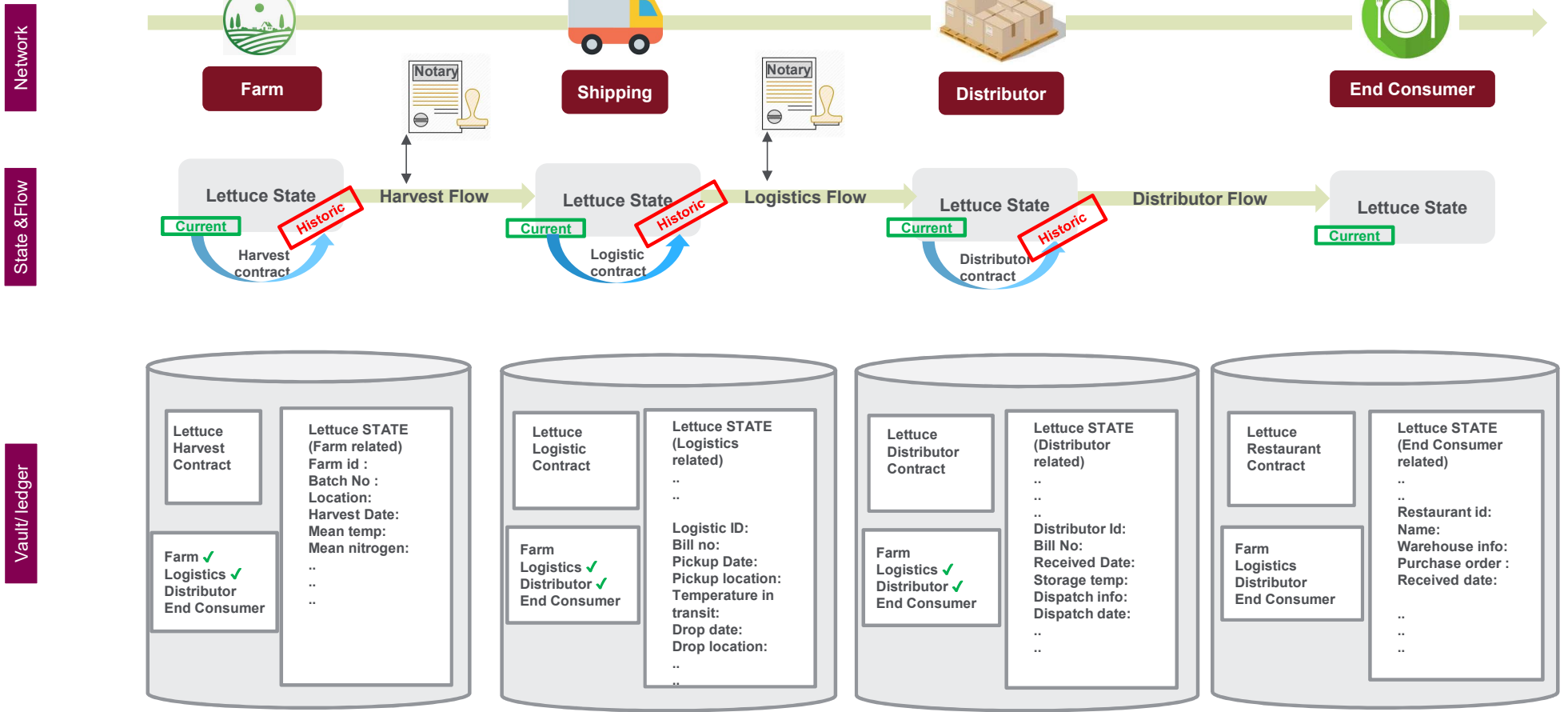
TRADITIONAL BLOCKCHAINS	CORDA
<p>Block-based Consensus</p> <ul style="list-style-type: none"> - Difficulty with Performance / Scaling - Validator governance 	<p>Real-time Flow-based Consensus</p> <ul style="list-style-type: none"> - Allows for Parallel/Multi-threading Latency associated with # of participants per state
<p>Gossip / Broadcast Network</p>	<p>Point-to-Point messaging with Observer Nodes</p>
<p>Full Replication on Databases</p> <ul style="list-style-type: none"> - Difficulty on Privacy & Data storage 	<p>Partial Replication on States</p> <ul style="list-style-type: none"> - Relies on traditional database back-up
<p>Anonymous Wallets</p> <ul style="list-style-type: none"> - Feature, but must be governed in a permissioned network - Allows for more B2C (but in an unregulated way) 	<p>Single Node Identity (1-to-1 Mapping)</p> <ul style="list-style-type: none"> - Must have a node to participate → Leads to more B2B use cases
<p>UTXO (for coins) / Replicated VM (for Ethereum)</p>	<p>UTXO</p>

Problem Statement & Stakeholders

Architected & Developed a truly decentralized, democratized, transparent '**Food Traceability Platform**' across the food supply chain based Blockchain technology for sustainable practices with certain characteristics.



Corda – Basic Flow & Key Concepts



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