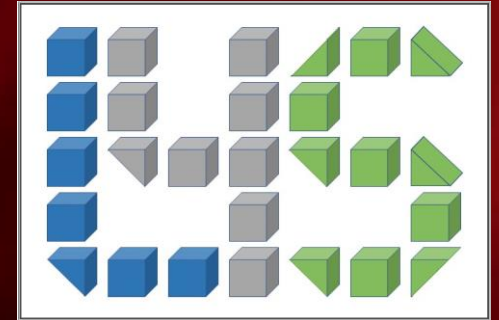


DLT SUPPLY CHAIN BENEFITS, REQUIREMENTS, CHALLENGES AND SOLUTIONS



L4S Corporation

Government Blockchain Association Panel Discussion

Paul F. Dowding, Co-Founder, Head of Design

December 17th, 2020.

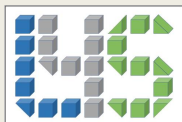
Why is Supply Chain Interested in DLT?

- Immutable “corrupt-evident” tracking & security
- Avoids proprietary customization
- Consistency of process
- Network communication
- Greater “Asset” visibility
- Augmented status & provenance tracking
- Increased predictability
- Overlay or A.I. control & optimization
- Integration of Payments, Trading, Trade Finance & Financial Hedging
- Ease of adding additional participants / redundancies
- Increased efficiency and reduced waste

<https://www.linkedin.com/in/paulfdowding>

<https://www.linkedin.com/company/L4S-corp>

YouTube: “The Blockheads Thoughts Distributed” Channel



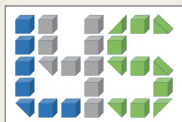
Critical Issues Hindering Gen 1 DLT Adoption

- Memory Scalability
- Third Party Roles
- Burdensome tasks
- Cost ineffective
- Lack of future-dated transaction periods
- Difficult to divide network for “as needed” basis
- No integration of payments & trade finance
- Reliance of customized, vulnerable smart contracts
- Scalability of consensus
- Low-capacity throughput
- Latency of Updates
- Arbitrary error updates
- Balance changes vs Double Entry Accounting
- Difficult/Failing reconciliation and audit requirements

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Central Databases vs Distributed Ledgers

CENTRAL DATABASES

- Proprietary/Custom
- Single Point of Failure
- No 3rd Party visibility
- Inflexible custom code
- Industry/Asset specific
- Complex deployment
- Retroactive Financials

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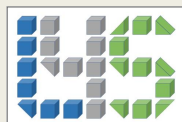
DISTRIBUTED LEDGERS

- Distributed Agnostic protocol
- Partition Tolerance
- 3rd Party consistency
- Adaptable shared protocol
- Industry/Asset agnostic
- Simpler deployment
- Integrated Financials

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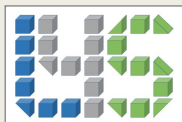
Supply Chain Gen 2 DLT Success Criteria

- Memory Scalability
- No 3rd Party Roles & confidentiality
- Transaction participation only
- Cost effective, measurable benefits
- Future-dated transaction periods/Pybles-Rcvbils
- Network process visible “as needed”.
- Integrated payments, trade finance & hedging
- Network to Network Interoperability
- Deterministic Product & Life-cycle agnostic scripts
- Computational Linear Scalability
- High-capacity throughput
- Near-real-time processing
- Errors caught at inception
- Double Entry Accounting
- GAAP Compliant reconciliation and audit
- Physical to Digital Synchronization

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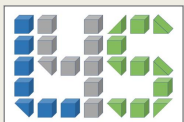
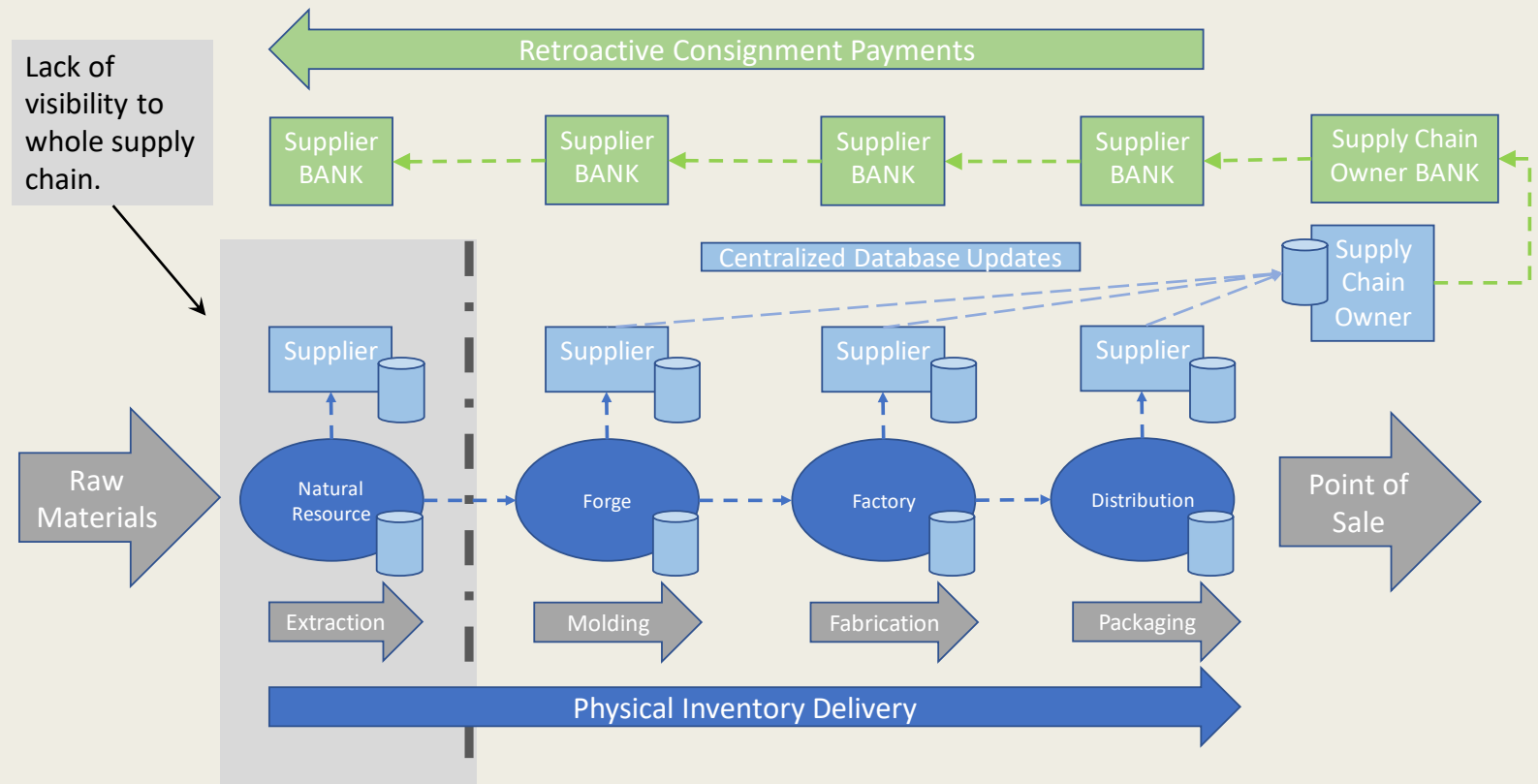
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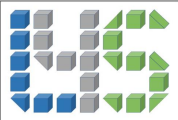
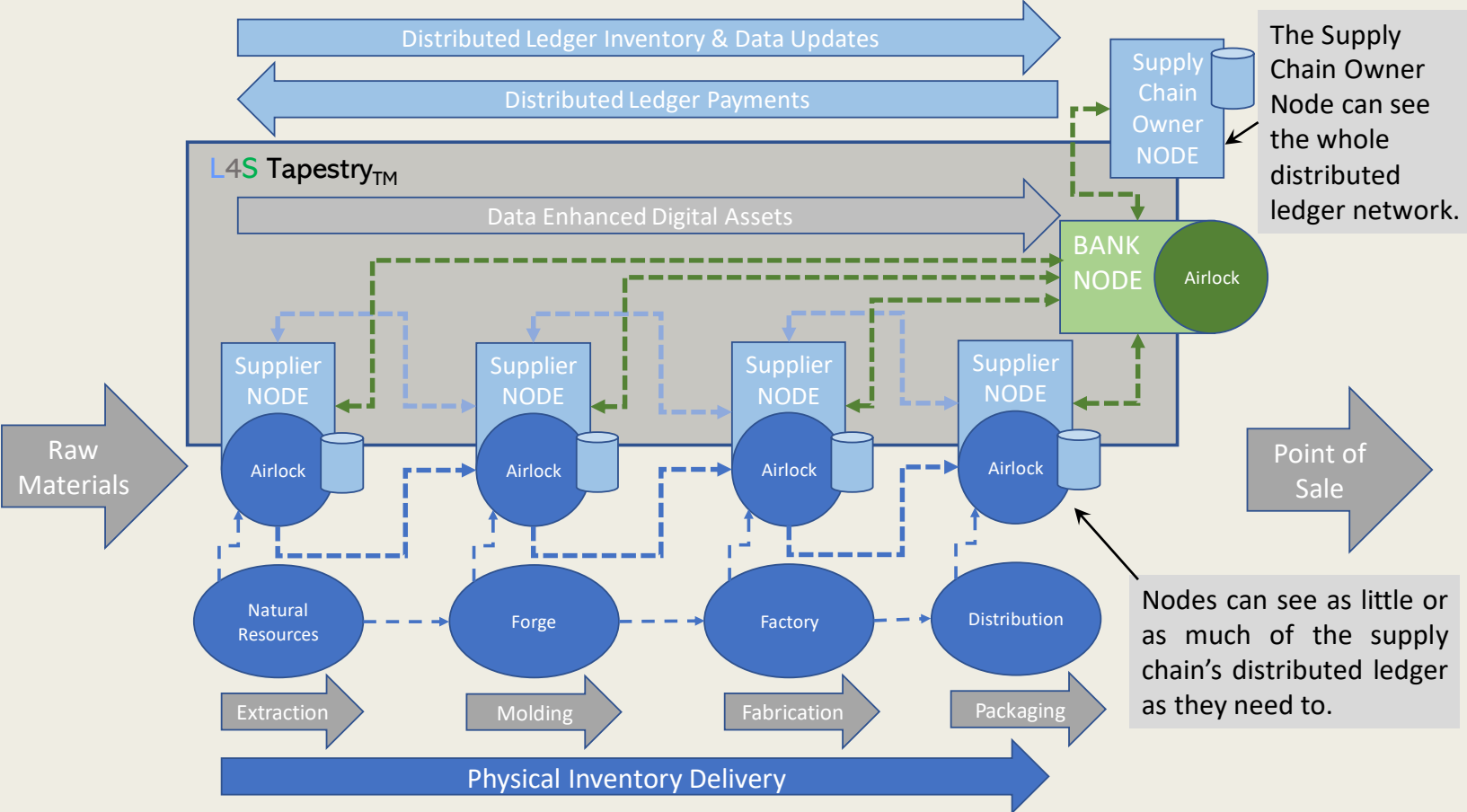
The big picture today – Supply Chain

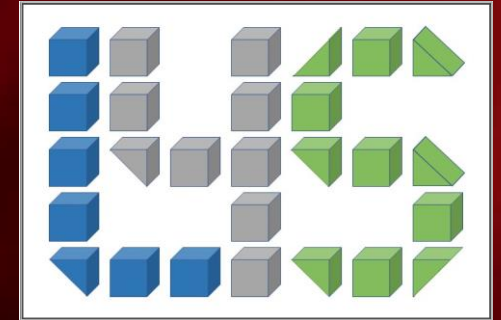
Centralized updates, deferred payments, limited data, inconsistent quality within inflexible, dedicated process.



The big picture with L4S Tapestry™

Flexible, universal, interlinked, fully visible network with assets acquiring enhanced provenance data allowing faster payments against payables.





THANK YOU

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