

XIC12

BLOCKCHAIN FOR SUPPLY CHAIN AND LOGISTICS FORUM

www.blockchainsupplychain.io

HOUSTON, TEXAS

MAY 21-22, 2018

Blockchain for Global Supply Chain and Trade (Live Demo)



Luca Schiatti

Assistant Managing Director
Accenture Technology Labs

LUCA SCHIATTI
XCHAIN^2, HOUSTON, MAY 22 2018

BLOCKCHAIN SUPPLY CHAIN TRADE FINANCE TRACEABILITY



Accenture Labs
SOPHIA ANTIPOlis



ACCENTURE
2018

ACCENTURE LABS

- 200+ researchers in 7 labs
- Co-innovation programs with global clients
- Applied R&D with technology partnerships

Dublin

- Artificial Intelligence

Silicon Valley

- Digital Experiences
- Artificial Intelligence
- Systems & Platforms

Washington DC

- Security

Tel-Aviv

- Security

Sophia Antipolis

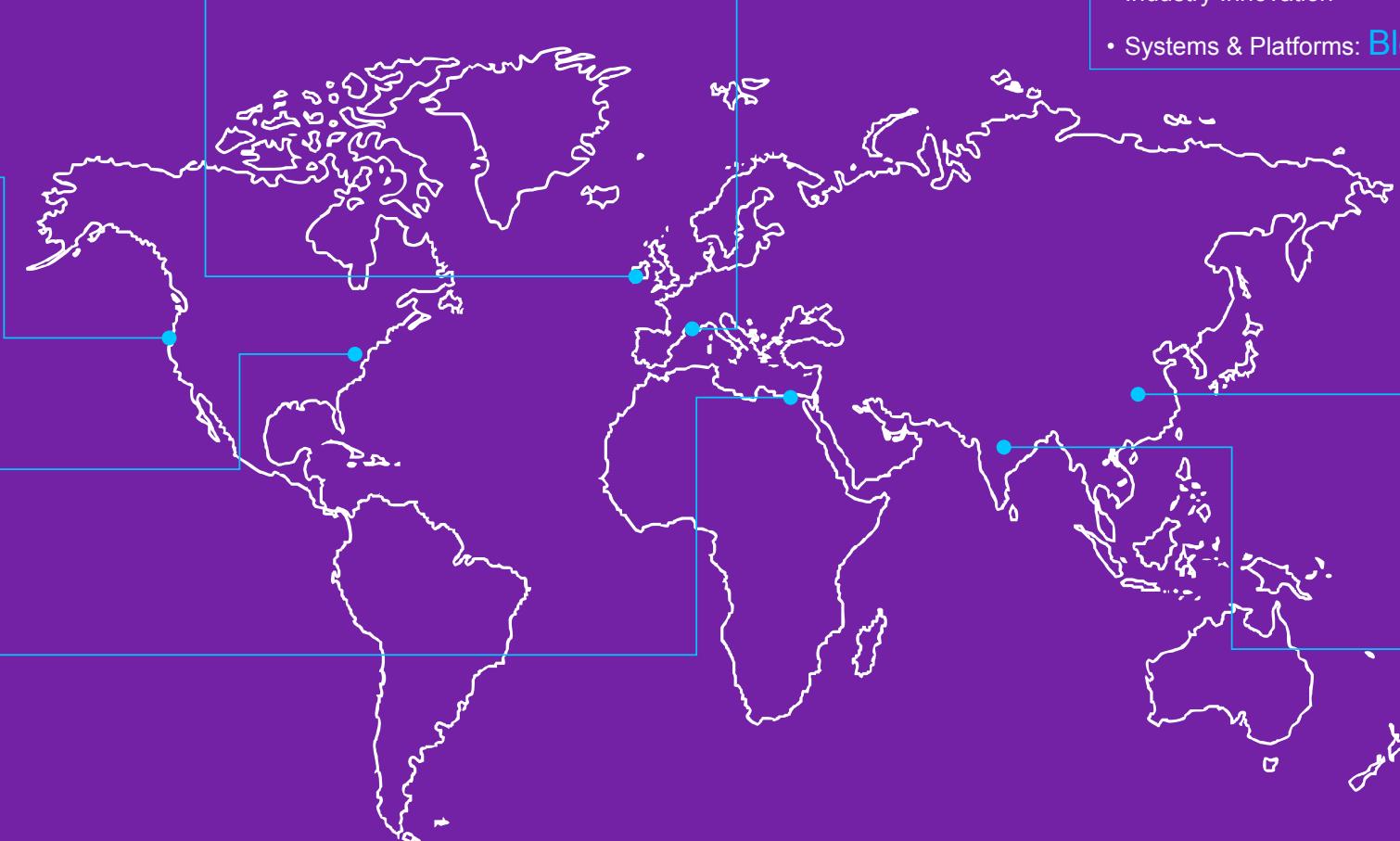
- Industry Innovation
- Systems & Platforms: **Blockchain**, Quantum Computing

Beijing

- Industrial Internet

Bangalore

- Software Engineering



ACCENTURE LABS SOPHIA ANTIPOlis - BLOCKCHAIN R&D

CURRENT FOCUS

- Digital Identity
- Blockchain Interoperability

PLATFORM FOCUS



ACTIVITIES

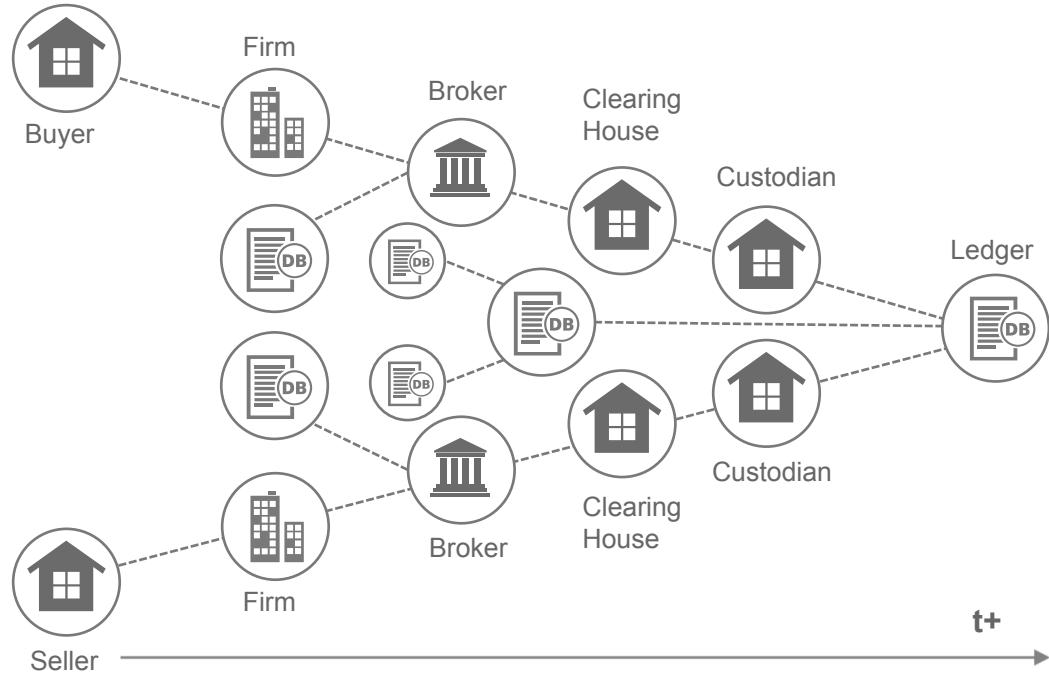
- Industry-specific use cases
- Technical integration modules & frameworks
- Technology Assessments and Evaluation
- Jump-starter kits & sample domain-specific applications
- Vendor-specific PoCs for different use cases
- And more ...

UNIVERSITY COLLABORATION



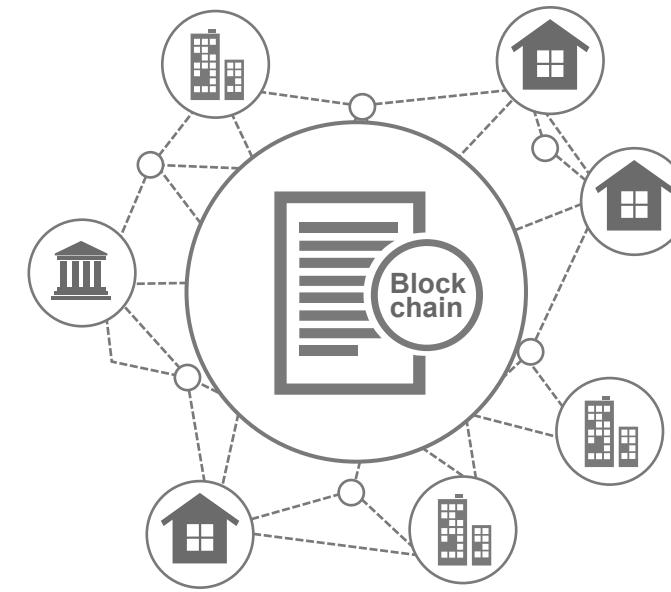
WHY IS BLOCKCHAIN RELEVANT: “FLATTENING” OF TRANSACTION MODELS, EFFICIENCY GAINS

AN ECOSYSTEM TODAY



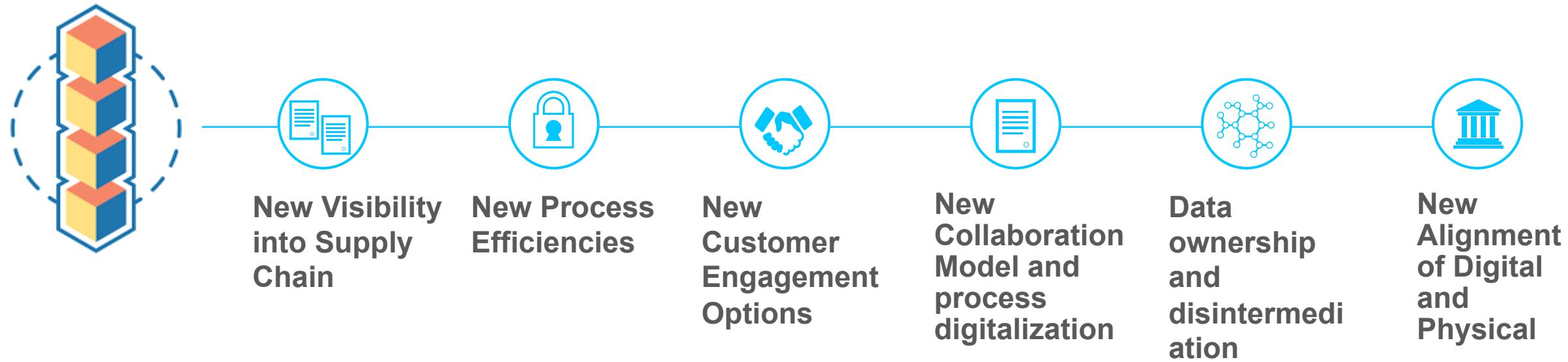
The traditional ledger structure between organizations is slow and error prone; existing infrastructure is manually intensive and dated. Any exchange of data requires that all of the data stores in each of these participants agree and reconcile which drives significant effort and inefficiency

A POTENTIAL BLOCKCHAIN-BASED ECOSYSTEM TOMORROW



A distributed blockchain ledger allows for decentralized, replicated, shared and cryptographically secured operations which are validated by mass collaboration and applies to many transactions. All market participants work from the same data set introducing significant efficiency improvement

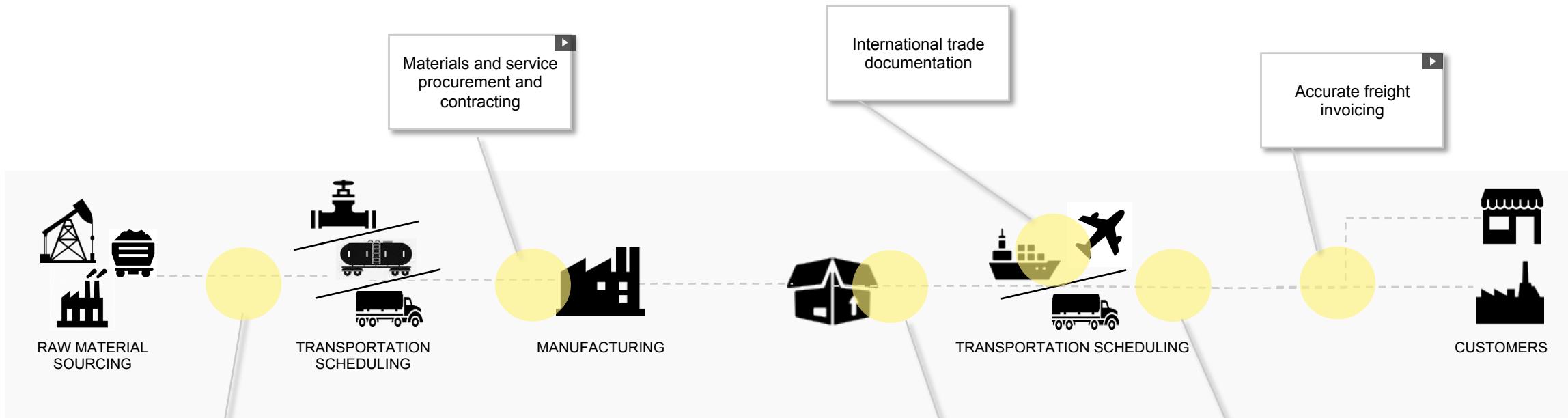
KEY BENEFITS OF BLOCKCHAIN IN SUPPLY CHAIN, TRADE FINANCE AND TRACEABILITY



USE CASES

OPPORTUNITY IN SUPPLY CHAIN

BLOCKCHAIN APPS CAN ADDRESS PAIN POINTS THROUGHOUT THE SUPPLY CHAIN.



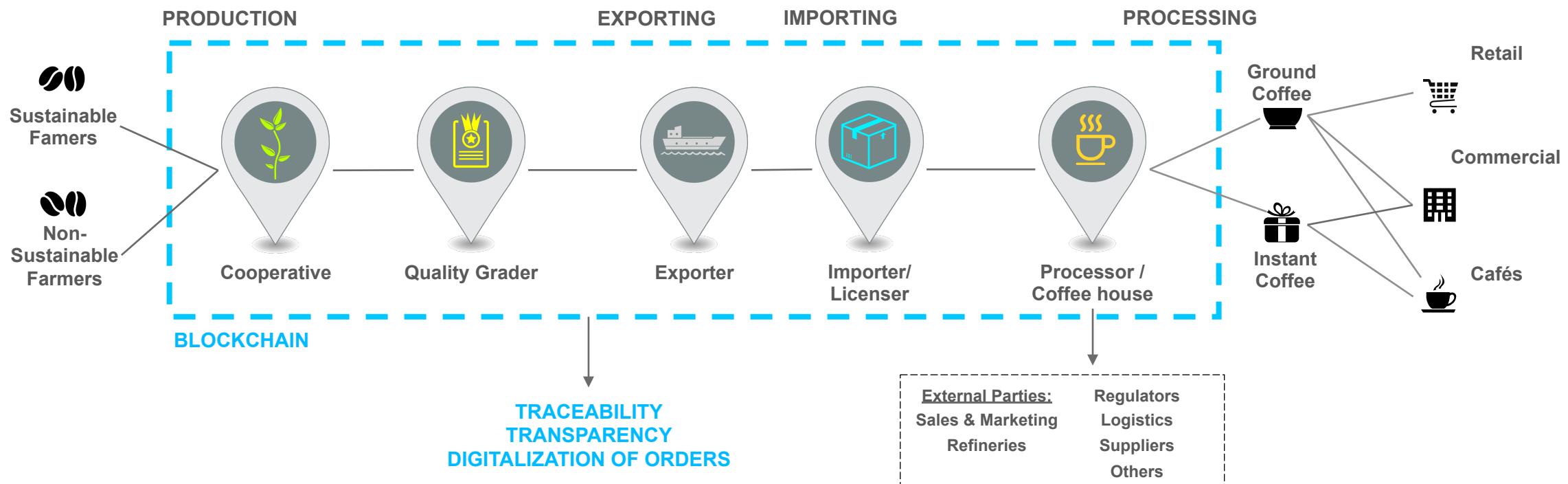
VALUE UNLOCKED

<ul style="list-style-type: none">Authenticity of goods, origin & ethical practicesReal time information across all parties	<ul style="list-style-type: none">Increased productivity & qualityWork order lifecycle trackingVerification of services performed and inspections approvalControls maverick spend	<ul style="list-style-type: none">Enhanced risk managementTransparency into shipmentsInformation ownership & accountability clarityFaster update / amendment processImproved customs / regulatory compliance	<ul style="list-style-type: none">Lower internal support costsFaster settlementsAccurate invoicingReduced reconciliations
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USE CASES

RAW MATERIAL TRACEABILITY & SUPPLY CHAIN TRANSPARENCY

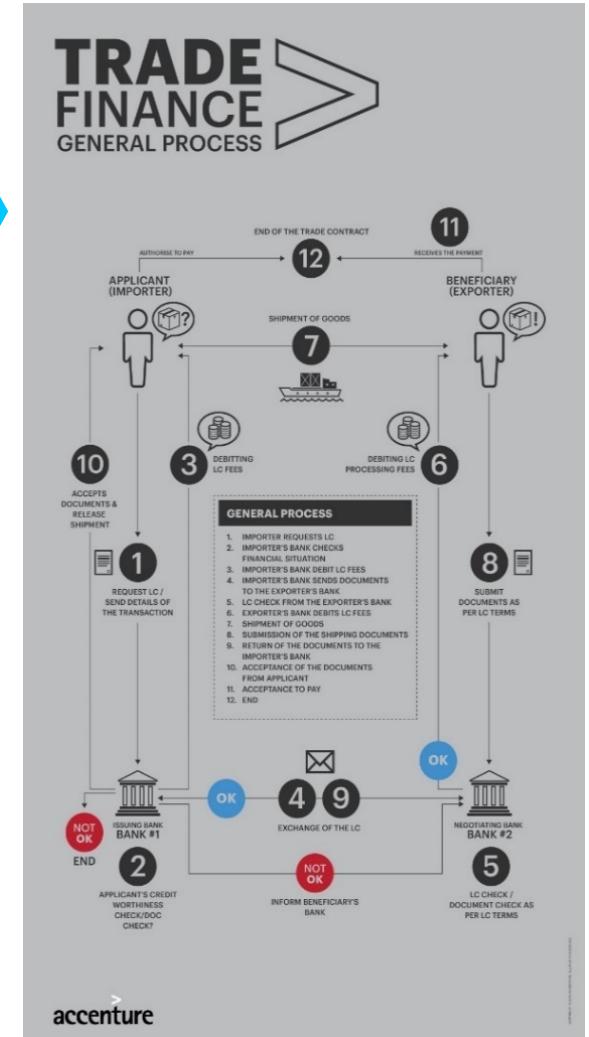
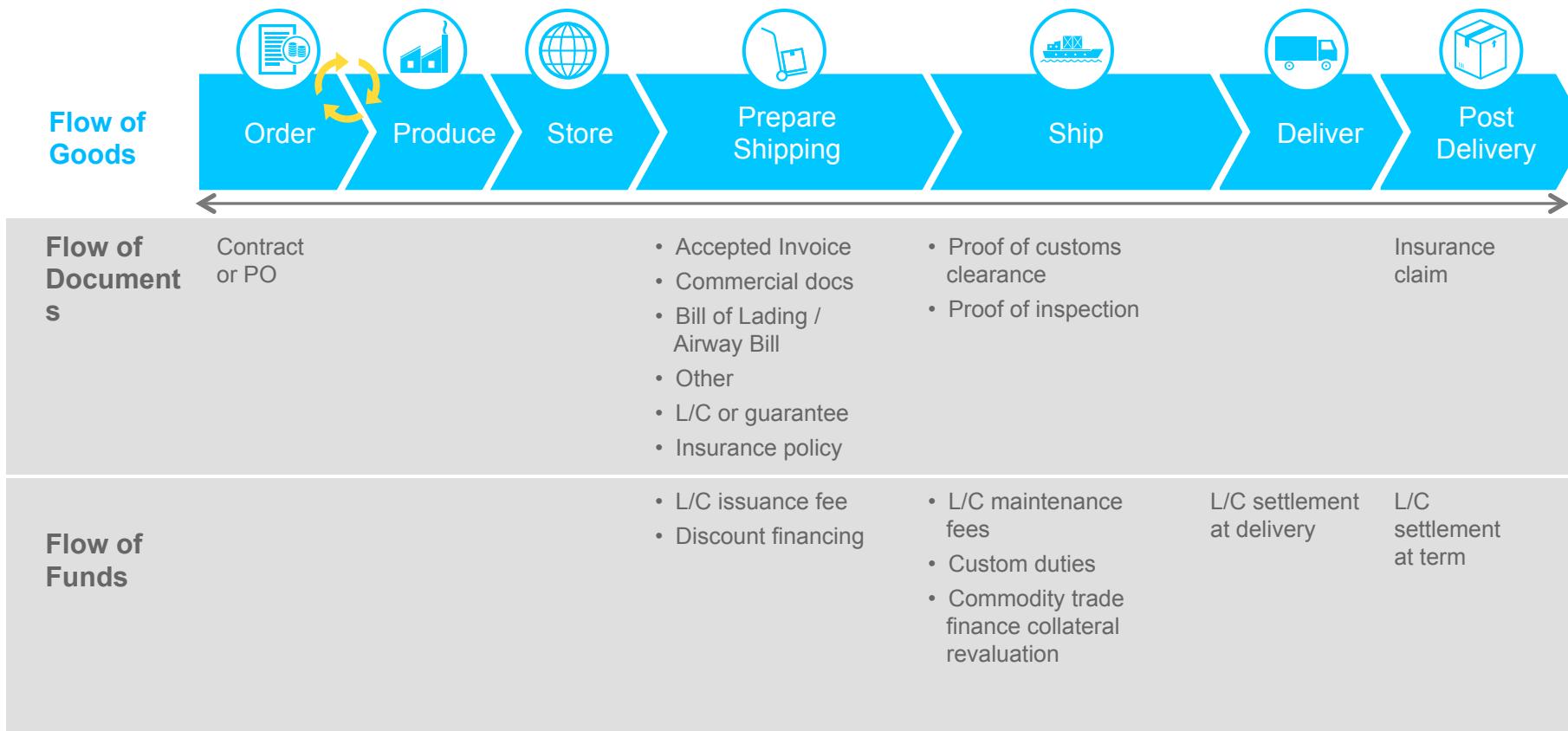
USE OF A BLOCKCHAIN BASED PLATFORM TO ENABLE TRANSPARENCY OF THE HISTORY AND ORIGINS OF PRODUCTS (E.G. COFFEE BEANS.) WITH THE BLOCKCHAIN, BRANDS CAN EASILY GATHER AND VERIFY STORIES, KEEP THEM CONNECTED TO PHYSICAL THINGS AND EMBED THEM ANYWHERE ONLINE.



USE CASES

TRADE FINANCE

AN INITIAL REVIEW OF A TYPICAL TRADE AND TRADE FINANCE LIFE CYCLE REVEALS SIGNIFICANT POTENTIAL TO INCREASE THE EFFICIENCY AND REDUCE THE RISK OF THE FLOW OF DOCUMENTS AND THE FLOW OF FUNDS, AS WELL AS TO DEVELOP NEW VALUE ADDED SERVICES FOR CLIENTS

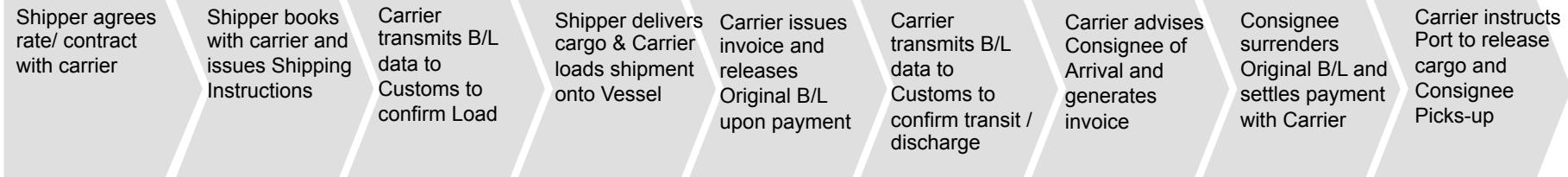


USE CASES

SHIPPING

A TYPICAL OCEAN SHIPPING USE-CASE ILLUSTRATES THE BENEFITS THAT BLOCKCHAIN MAY BRING TO THE INDUSTRY AND OTHER RELEVANT PARTNERS WITH SAVINGS IN PROCESSES LIKE BILL OF LADING & INVOICE PRODUCTION

Today



With Block-Chain



Illustrative Benefits



- B/L issue control process is eliminated
- Communication with customs is simplified

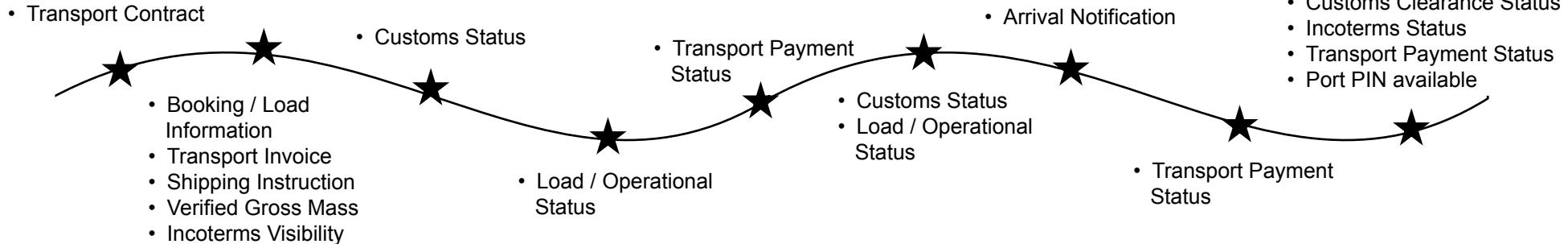


- Visibility to cargo details from a single source of truth



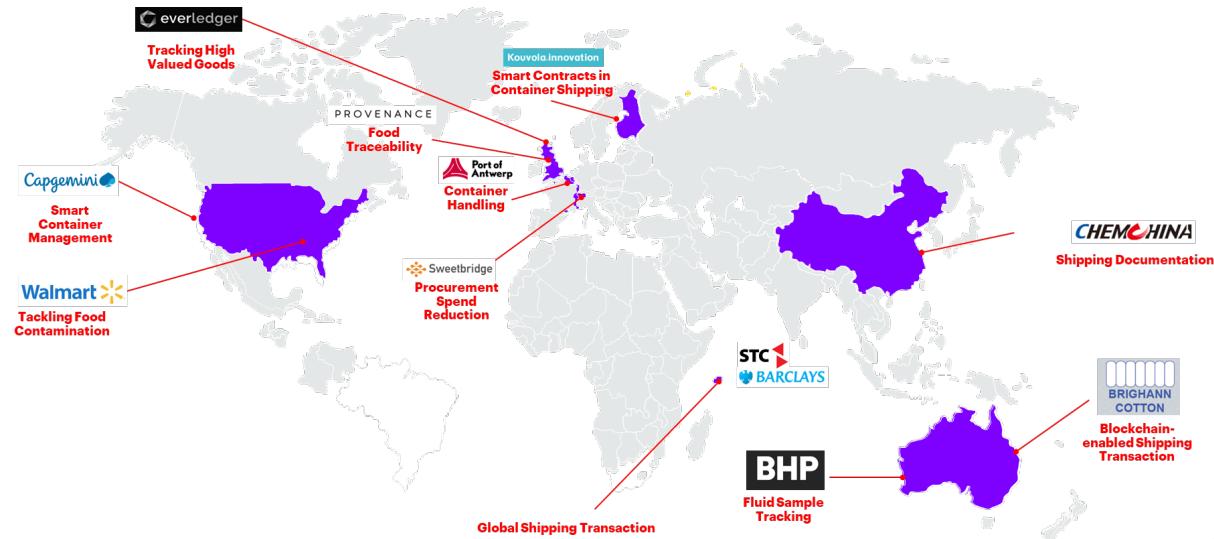
- Shippers and Consignees will have less "paperwork" to various parties (banks, customs, carriers, etc.)

Traditional Document / Data flow – to be replaced by data within Blockchain Ledger



BLOCKCHAIN FOR SUPPLY CHAIN

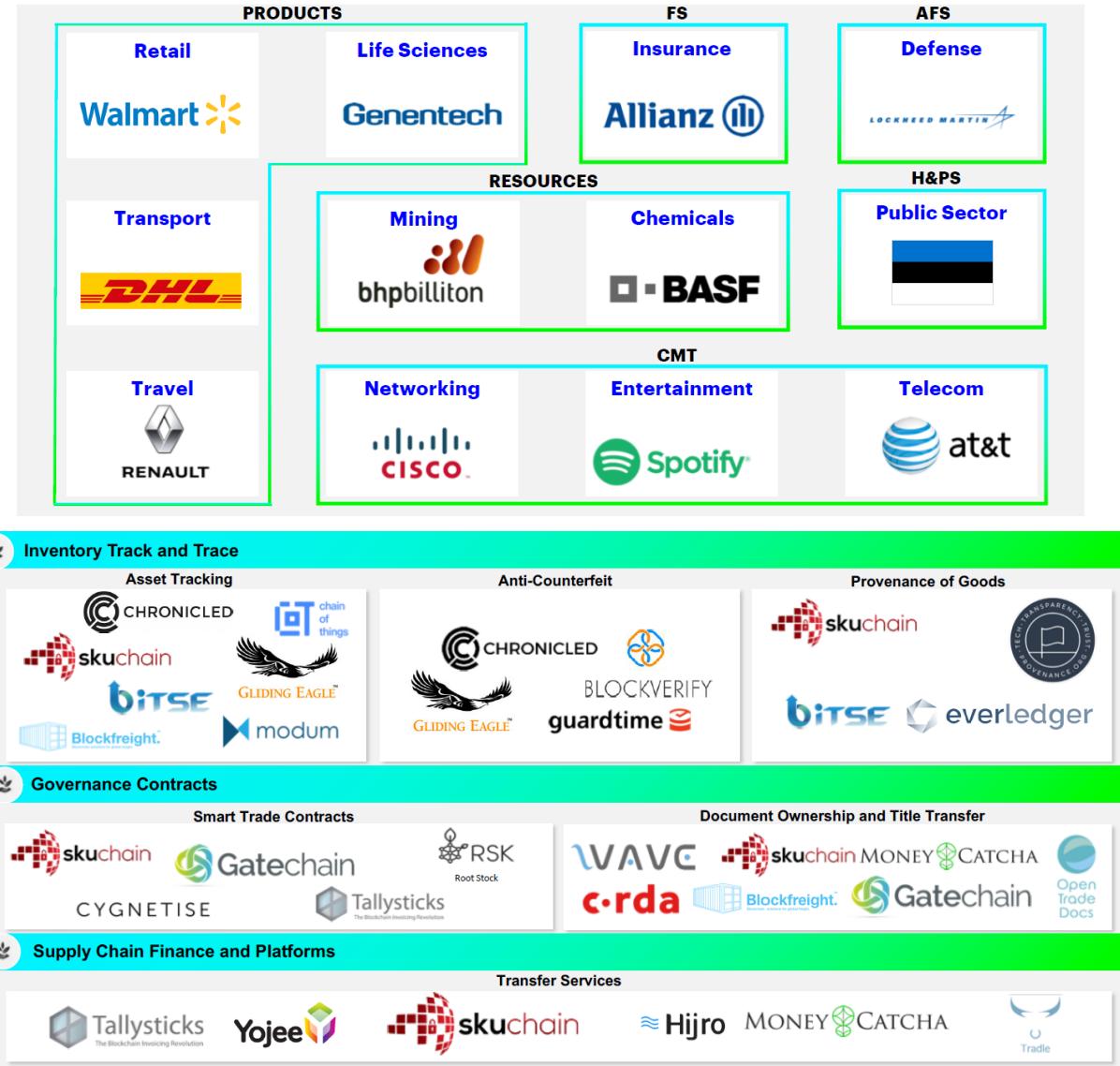
SUPPLY CHAIN STRETCHES ACROSS INDUSTRIES MANY TESTING SUPPLY CHAIN ACTIVITIES ON BLOCKCHAIN



Leading company exploring several use cases across the world while start-up supply chain related are increasing:

- Inventory Track and Trace
- Governance Contracts
- Supply Chain Finance and Platforms

Non-Exhaustive



ACCENTURE LABS SOPHIA ANTIPOLIS - BLOCKCHAIN R&D

LESSON LEARNT WITH OUR CLIENTS

- You don't need a Blockchain!
- Technology to solve real business problems not vice versa
- Ecosystem advantages vs Competitive advantage
- Effort is significant – define a strategy and work with competitors or partners

WHAT'S NEXT

- Technology maturity
- Digital Identity Standardization
- Interoperability
- Physical/Digital

THANK YOU

luca.schiatti@gmail.com

 @_benza

ABOUT **SOPHIA ANTIPOLIS BLOCKCHAIN R&D**

Sophia Antipolis Blockchain R&D focus on exploring the Blockchain technology area, with industry verticalization and domain specialization, underpinned by the best underlying technologies

Managing Director: Emmanuel Viale

Contact Info

Emmanuel Viale

emmanuel.viale@accenture.com

JB Delinselle

j.delinselle@accenture.com

Giuseppe Giordano

giuseppe.giordano@accenture.com

Luca Schiatti

luca.schiatti@accenture.com

Andrea Milazzo andrea.maría.milazzo@accenture.com

Sophia Antipolis Blockchain R&D is the Accenture Blockchain Center of Excellence providing access to both technical and business expertise around Blockchain. The center focuses on building PoV, PoC, educational materials, etc. and address all the distributed ledger capabilities, exploring different Blockchain schemes (public, consortium and private), with industry verticalization and domain specialization (IoT, transactions, messaging, etc.), underpinned by the best underlying technologies from startups, from our key partners, and from the open community.

Sophia Antipolis Blockchain R&D helps position Accenture as a key and active player in the Blockchain space. In particular the following activities are currently in focus of the R&D center, primarily driven within Technology:

- Reference Architecture(s)
 - Technical integration modules & frameworks
 - Initial technology partners: DAH, IBM, Ripple, Eris & Multichain
 - Jump-starter kits & sample domain-specific applications
 - Vendor-specific PoCs for different use cases
 - Industry-specific use cases (e.g.: for Payments, Capital Markets, Smart City, etc.)
 - External awareness (SME interviews, PoVs, announcements, etc.)
 - Regular reports on Blockchain startups
 - Training materials and Blockchain Bootcamp sessions
 - Etc.
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