

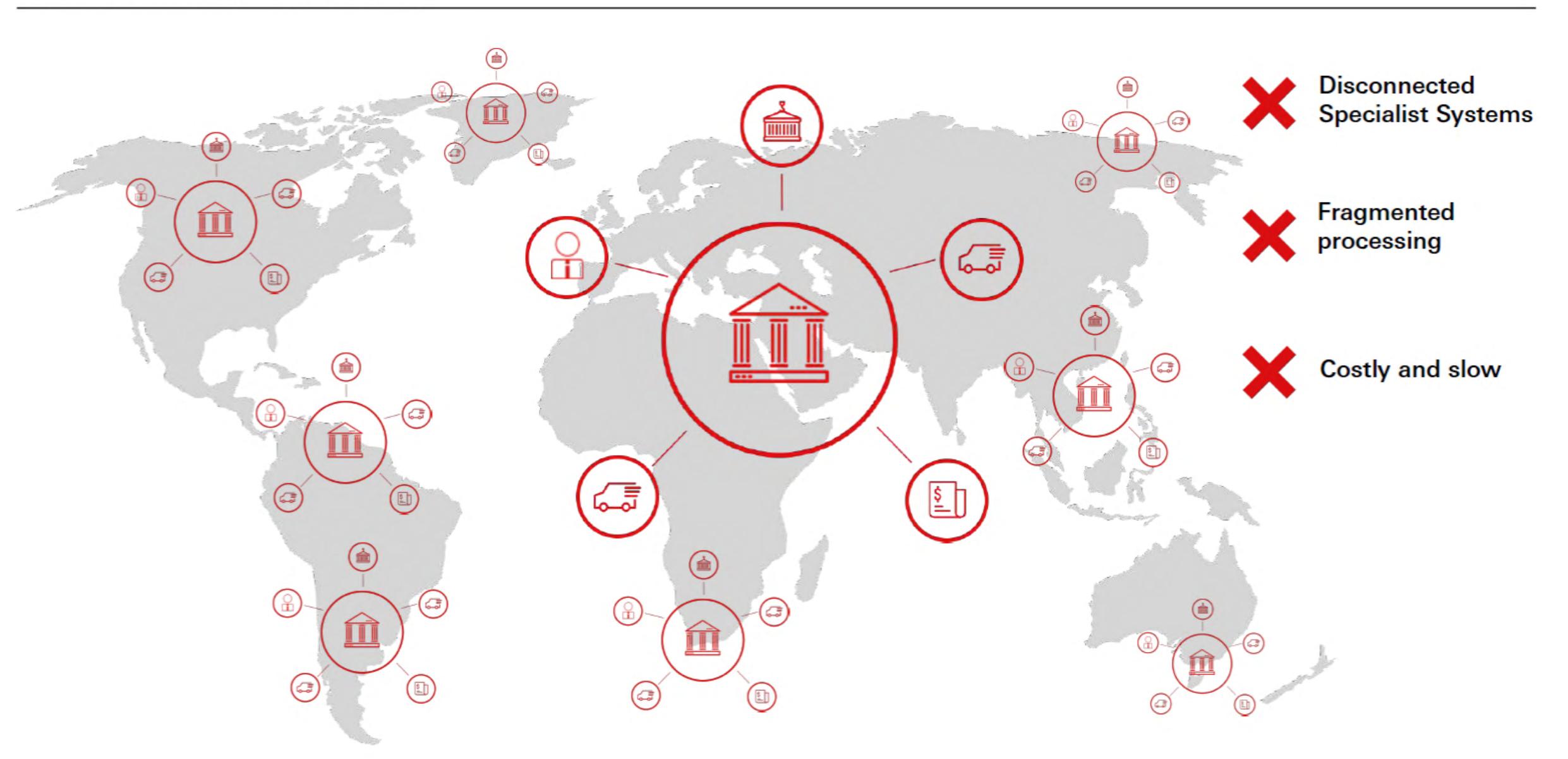
Barry Childe HSBC Director, Innovation and Investments



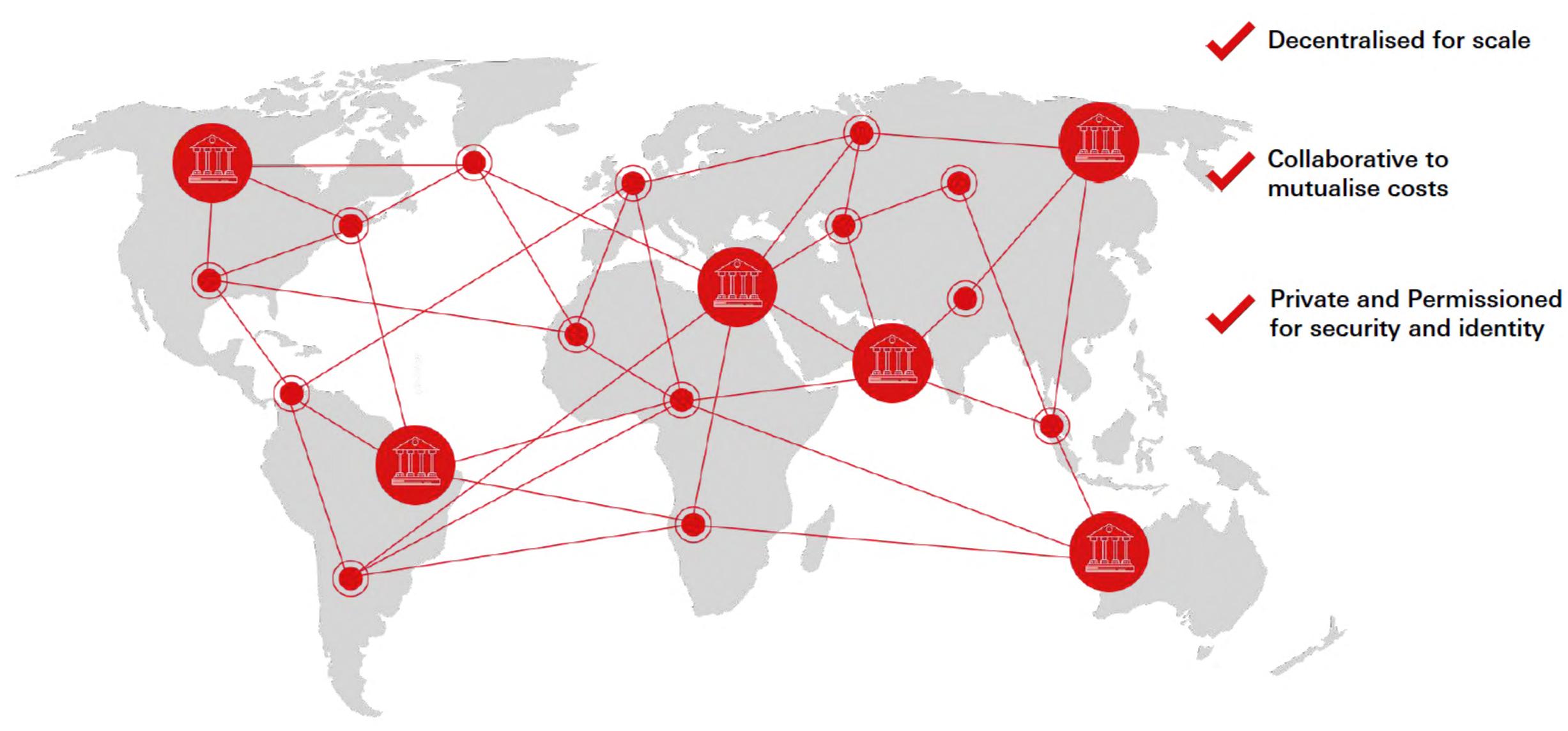
Joshua Kroeker HSBC Blockchain/DLT Lead, Global Commercial Banking

> **Duncan Wong** CryptoBLK Founder, CEO, Cryptographer

Current state of business networks:



Networks of tomorrow can utilize DLT to connect and collaborate





The trade challenge:

Trade relies on complex cross-border networks where there is no one central party to be the intermediary.

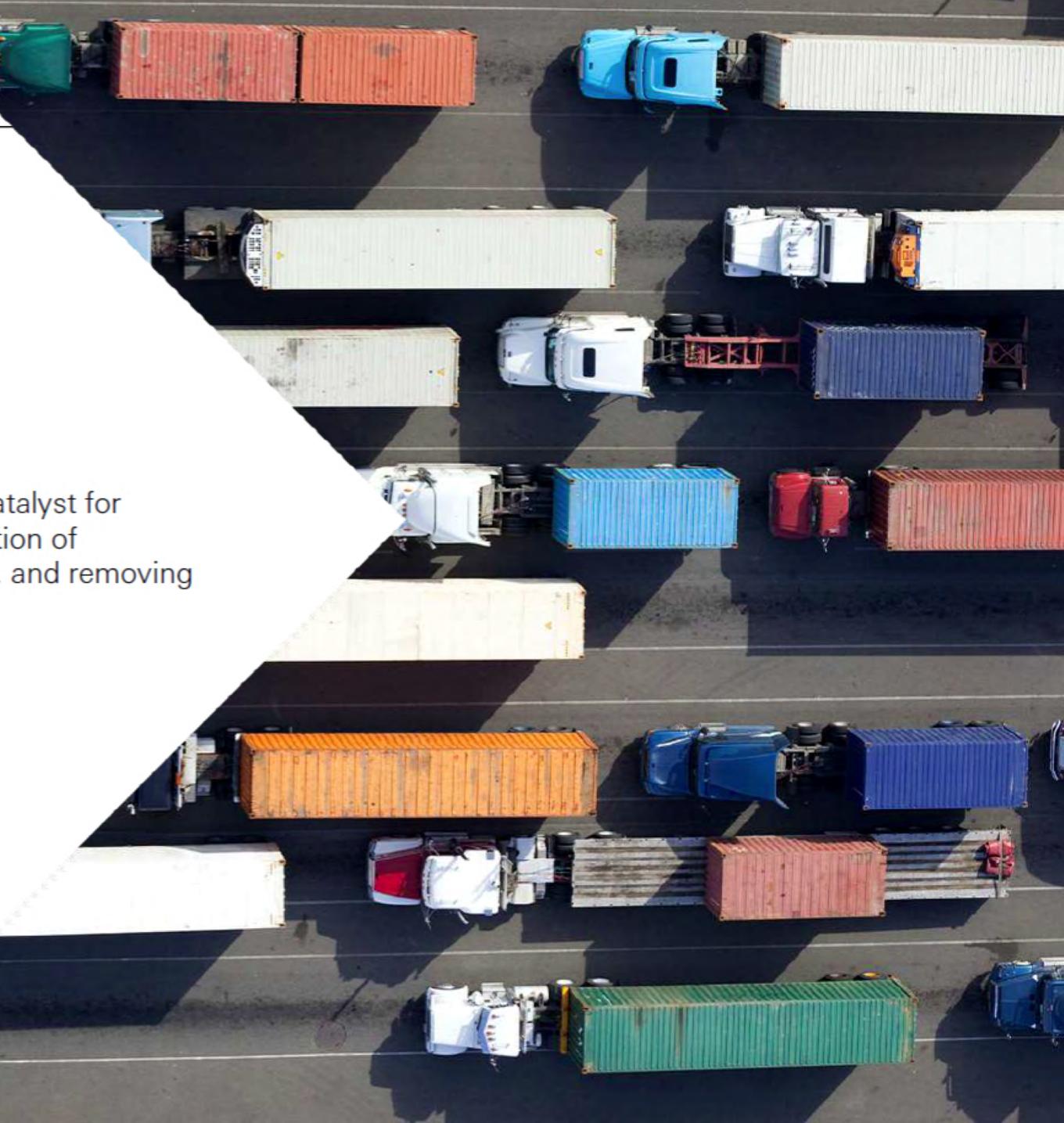


Where DLT comes in:

We see an opportunity for this technology to be the catalyst for trade digitisation. DLT will add value through the creation of decentralized networks running automated processes, and removing the need for a trusted central party.

How?

- We are experimenting across different customer needs, geographies and technologies.
- By integrating our systems into networks, and networks will form 'networks of networks' to solve diverse problems across segments



Letters of Credit

"A key product for world trade, but plagued by paper and digital islands"

- Slow, reliant on central intermediaries
- Costly, non-collaborative
- Even if digital, multiple systems



HSBC Voltron One

A 12 bank venture to digitize Letters of Credit, by bring together HSBCnet, Bolero, SWIFT and disconnected digital islands around one common platform.



A shared process:

All participants can use a common system – no data leakage and fewer errors



Immutability:

Records can be audited and tracked with confidence



A shared truth:

As transactions progress and amendments happen, everyone is kept in sync

Decentralised for scale:

A complex global network of banks, corporates, and trade facilitators



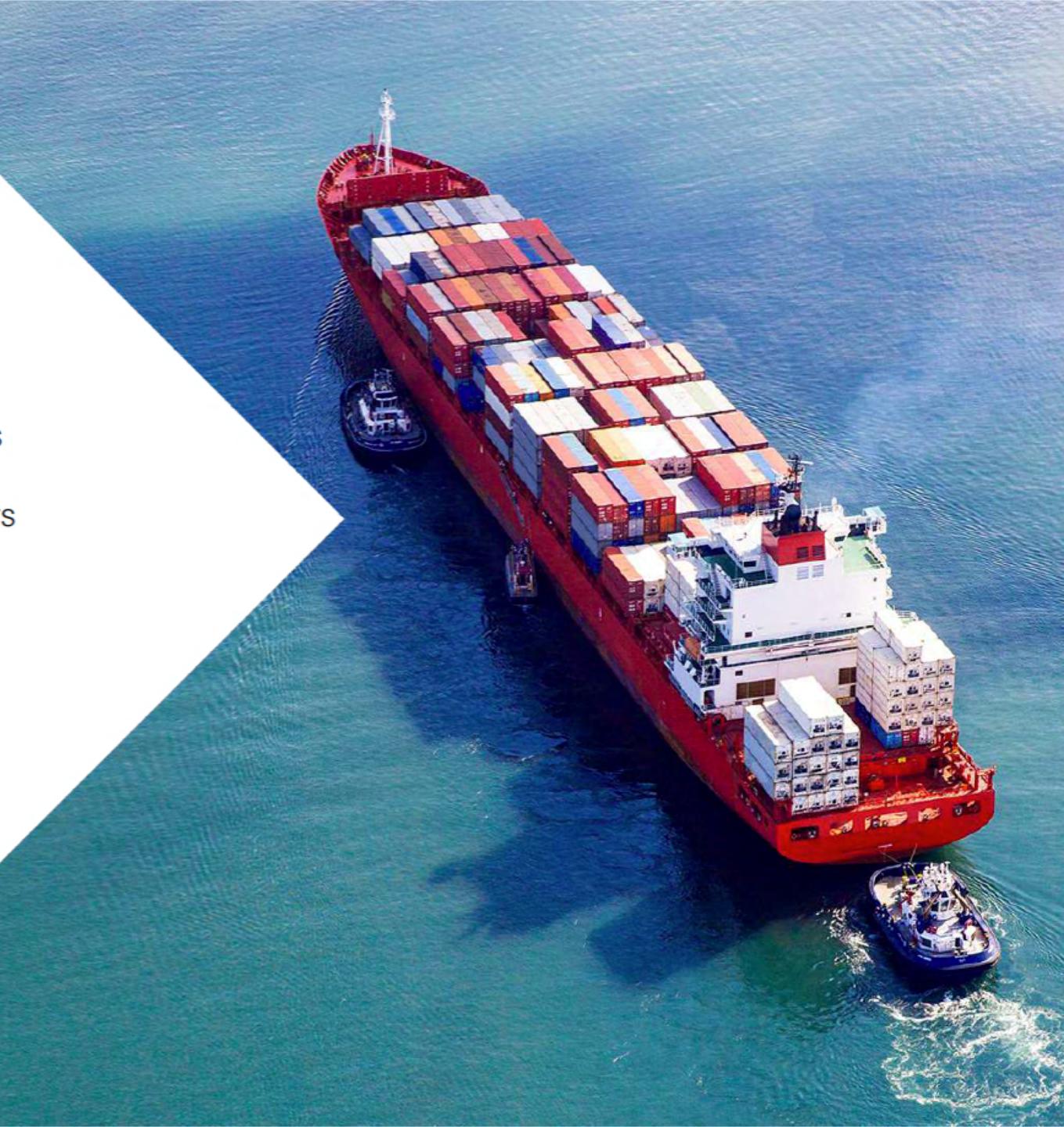


Digitisation of Letters of Credit requires digitisation of Bills of Lading

- Electronic Bills of Lading have been in existence for 2 decades, but have not had meaningful adoption
- Existing solutions are functional, but are digital islands not connected to other trade system
- We aim to incorporate eBL's into an end-to-end Letters of Credit process on a decentralized network
- The catalyst for higher truly digital Letters of Credit in the future

Digitisation of eBL on DLT

- Requires legal agreement from all parties – we wish to leverage existing standards
- Existing providers of eBL registries can be direct participants on DLT networks



Voltron One: at the tipping point of adoption

BC 🔛 Voltron One						APPLICANT
CREATE LC REQUEST				<- BACX	Resultation version 171010 Visual Visual	
10.						70925-Vinu/WownFebicCompany PCpi
Instinel Bank						Datac-Vina/WwwFeb/Company.pd
ISSUED LOREFERENCE		ADVISED LC REFE	RENCE		APPLICATION DATE (YYMM)DD)	
DPC/WW125656		45.15637613			17/11/01	
FORM OF DC		APPLICABLE RUL	ES			
Irevocable		UCP Latest Ve	mion /eUCP	i.		Browse to address to the second
EXPRIENCE (YYMN/DD)		DONTYPLACE				
18,06/15	•	United States of	d America			
PERIOD OF PRESENTATION						
WITHIN 15 DAYSAFT	TER THE D	NATE OF SHIPMEN	T BUT WITH	IN THEY	AUDITY OF THE CREDIT	
APPLICANT		APPLICANT ADDRESS				
Applicant Huggins Ltd		200 Tanger Outlet Bivd, Pooler, GA 3			3 1322, Savannah, USA	
		BENEFICIARY ADDRESS				
BENERCLARY		BENEFICIARY AD	ORESS			
BENE FICIARY Beneficiary Fabric Company	y *			o Yue St	reet, Cheung Sha Wan, Hong Kong	
Index of the second second second	y *			g Yue St	reet, Cheung Sha Wan, Hong Kong	
Beneficiary Fabric Company	y •	31,F, Billion Pla	za, 8 Cheun		reet, Cheung Sha Wan, Hong Kong	
Beneficiary Fabric Company	y *	31,F,88km Ra TOLERANCE	10, 8 Cheun		reet, Cheung Sha Wan, Hong Kong	
Seneficiary Fabric Company AMOUNT USD = 250,000		31,F, Billion Pla TOLERANCE + 15 1	ICER & Cheun	8		
Beneficiary Fabric Company AMOUNT USD = 250,000 ISSUIND BANK		31,F, Billion Pla TOLERANCE + 15 %	ala, 8 Chean - 10 address teet Savant	si nun LISA		
Seneficiary Fabric Company AMOUNT USD = 250,000 Isstung BANK Isstinel Bank		31,F, Billion Pla TOLERANCE + 15 1% ISSUND BANK AU 15 E, Liberty St NOMINATED BANK	ICE, 8 Cheun - 10 DONESIS teet, Salant K ADORESS	si h. L.SA		
Beneficiary Fabric Company AMOUNT USD = 250,000 ISSUND BANK Isstinel Bank NOMINATED BANK	•	31,F, Billion Pla TOLERANCE + 15 1% ISSUND BANK AS 15 E, Liberty St NOMINATED BAN	ICE, 8 Cheun - 10 DONESIS teet, Salant K ADORESS	si h. L.SA		
Seneficiary Fabric Company AMOUNT USD * 250,000 ISSUIND BANK Isstinel Bank Incolevated Bank Nominten Bank	•	31,F, Billion Pla TOLERANCE + 15 34 ISSUND BANK AS 15 E, Liberty St NOMINATED BAN 1 Queen's Road	ICE, 8 Cheun - 10 DONESIS teet, Salant K ADORESS	si h. L.SA		

LENG. DPCMAN125058	Areuxant Applicant Huggins Ltd	NOMINA TED BANK. Nominbon Bank	LC STATUS Advised	YEW	
LENO DPOMARIDAGOS	antución Masine Deciro scalec	sectores (10) fai nei Rico-Fail River Union Sient	Le statue Anendroers Repainted Sciences bestroe	õ	
LZHO DPCMANI28981	APPCKNAT Filtranysilgy Association DF Washington	weathair the salaw Merinio State Sanik	Le status Americant Reparstat Rombichi Agiltan	õ	
LONG DPCMANE24988	Anisason Fiboreysky Association Of Washington	Marcho State Earth	La motos Ameridadar Reparated Balcado Applicat	õ	
LENG EPCIMARI24968	areusan Fibersystay Association Of Mashington	indontinas tata dal Inn. Manunci Stratta Tilanik	LC DIATUR Arrandomet Repairing Televally Research	0	
LDHO DPCMARIZ4068	APPLICATE Fiboritysky Association Of Washington	Mantrio State Dark	LE STATUS Amended	õ	
LENG DPCMART24098	APPLEANT Manifee Decitor Vicalino	ncolania vito talvar Ros-Fail River Linces Barol	LC STATUS Demand Properties Members/Inviting	õ	
ACHA DPCMWITINI(66	Amustavit Maslem Bechonicalino	Administrative parties. Nov-Fight Rover Unitary Datrik	Lo energy Descend Presentation Untergang methy lauring thes	õ	



Andrew Hon Founder, CTO

@Hong Kong Science Park R3 Technology Partner HSBC Global Blockchain Delivery Partner

Revolutionize FinTech with Cryptography and DLT







March 2015

Dr. Duncan created ASTRI FinTech group, Hong Kong's largest R&D Center.

30 of the 150 FinTech engineers formed a Blockchain team led by Andrew.







Whitepaper On **Distributed Ledger Technology**





November 2016

The Blockchain team published a DLT Whitepaper under the commission of the Hong Kong Monetary Authority (HKMA).





March 2017

Won the HKICT Best FinTech Gold Award for a DLT-based Property Valuation platform pilot run with the Bank of China (Hong Kong)





Built a Corda-based cryptocurrency DLT-hybrid system for a major Hong Kong e-wallet companies





April 2017 CryptoBLK was formed





October 2017

- HSBC Blockchain delivery partner
- Full gear on HSBC Voltron One





January 2018

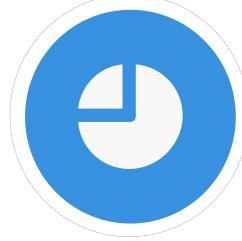
Hong Kong Insurance Industry

technology partner









Launch a Corda-based Property Valuation and Management System

© 2018 CryptoBLK Limited

Your trusted property valuation solutions.





Pain Points in Property Market

Paper-based process



=

Relies on personal relations



Ineffective negotiations



No industry-wide mortgage alerts



Long delays, lengthy process







\bigcirc



0



LOGIN

Forgot password?

Powered by CryptoBLK Limited



Your trusted property valuation solutions.





Statistics

Get up to date information on various property sectors with market analyses



Privacy

Access to reports and mortgage data only given to authorized individuals



Tamper-proof

Valuation reports and inspection records are placed onto Corda



Efficiency

Decrease lag times for receiving valuation figures and reports with Topaz messaging

Transact

Make informed decisions and choose reports to purchase from various surveyors



Mortgage Alerts

Peer-to-peer sanitized information provided by other banks and lenders allow informed decision making for lenders







Audit

Data on Corda facilitate private and public organizations such as central banks on risk & compliance management

Secure Data Sharing

Data sharing is limited to among different stakeholder groups in order to protect sensitive data

> Topaz system is highly available and scalable.

R

Corda V2.0

© 2018 CryptoBLK Limited

Topaz: a Corda-based property valuation and management system

멾

Records

Information placed on Corda provides an immutable record which safeguards data integrity and prevents fraudulent occurrences

Data Privacy

Private data collected will have their footprint, a cryptographic hash of the data, placed on Corda thereby allowing only users that already hold the private data to have access

Distributed





June 2017: Design & Implementation Topaz platform

development began

August 2017: Partnered with Industrial Experts Partnered with

PropTech experts

© 2018 CryptoBLK Limited

December 2017: Pilot Runs

Pilot runs for banks and surveying firms began



March 2018: CordaCon Tokyo

Official launch Topaz and begin free trials



11

1H2018: Open for your trial! Contact us and get onboard to try out this Corda-based Topaz system.

© 2018 CryptoBLK Limited

2019: Platform Enhancement

Continue expansion plans on a global scale, with fine tuning for individual countries and geographical locations

2H2018: Platform Enhancement

Expand the scope to cover other stakeholders in property valuation and trading, including solicitors, land registry, real estate agent, etc.

Thanks!

A & A



contact@cryptoblk.io

R3 Technology Partner AWS Activate Supported Microsoft BizSpark Partnership HSBC Blockchain Delivery Partner Member of HKSTP Incu-Tech Program

www.cryptoblk.io

