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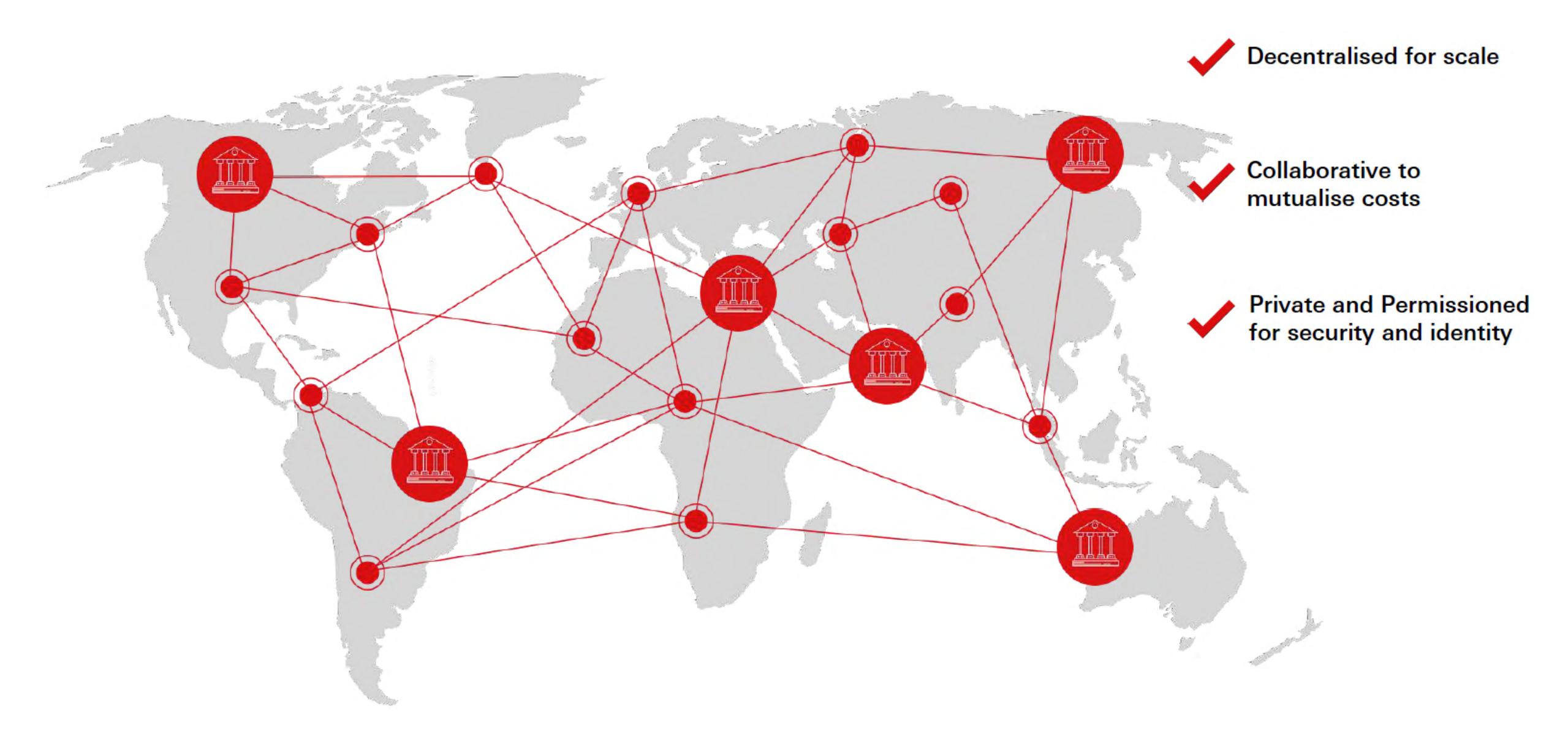
HSBC Blockchain/DLT Lead, Global Commercial Banking

Duncan Wong

CryptoBLK Founder, CEO, Cryptographer

Current state of business networks:





The trade challenge:

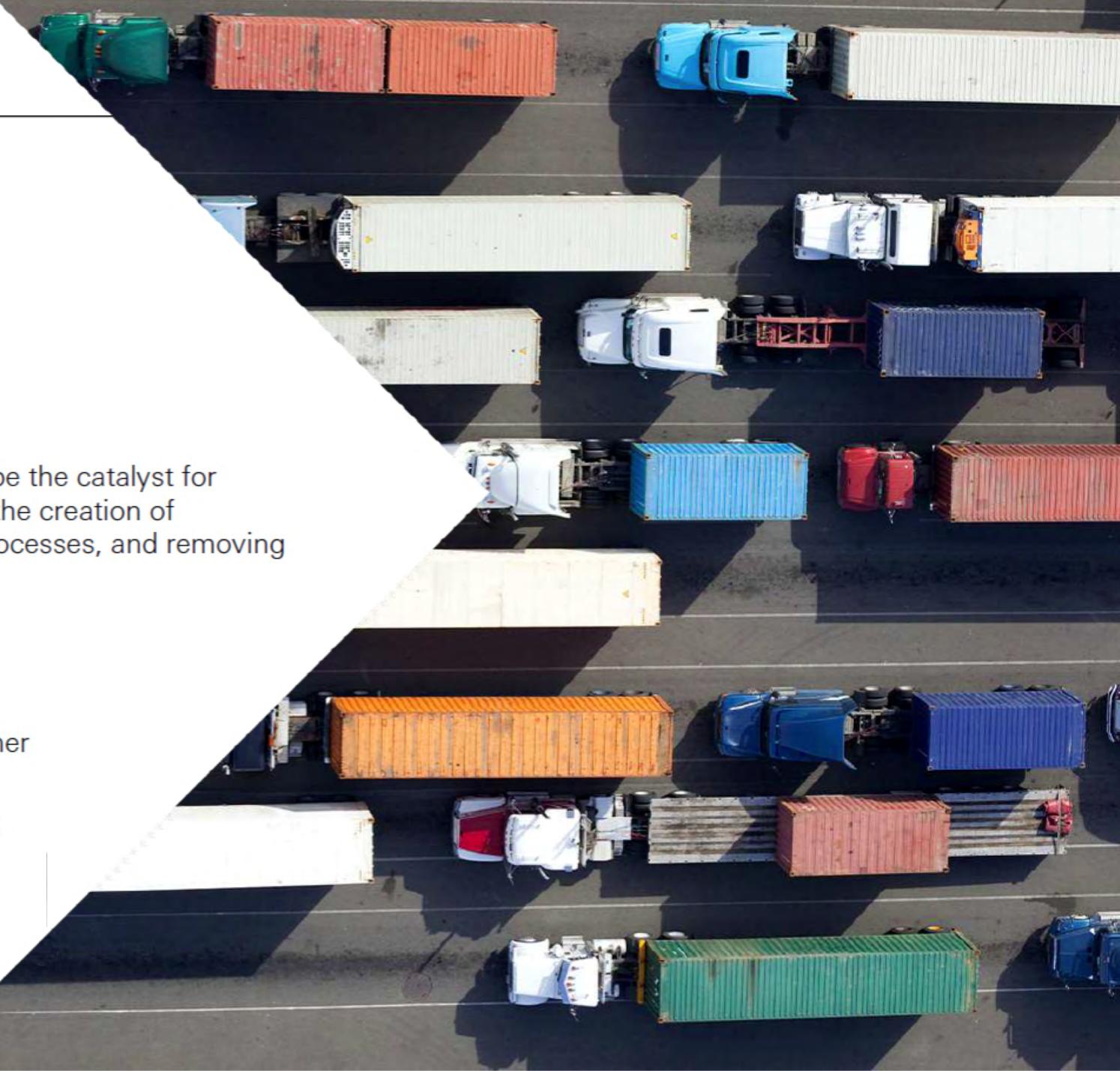
Trade relies on complex cross-border networks where there is no one central party to be the intermediary.

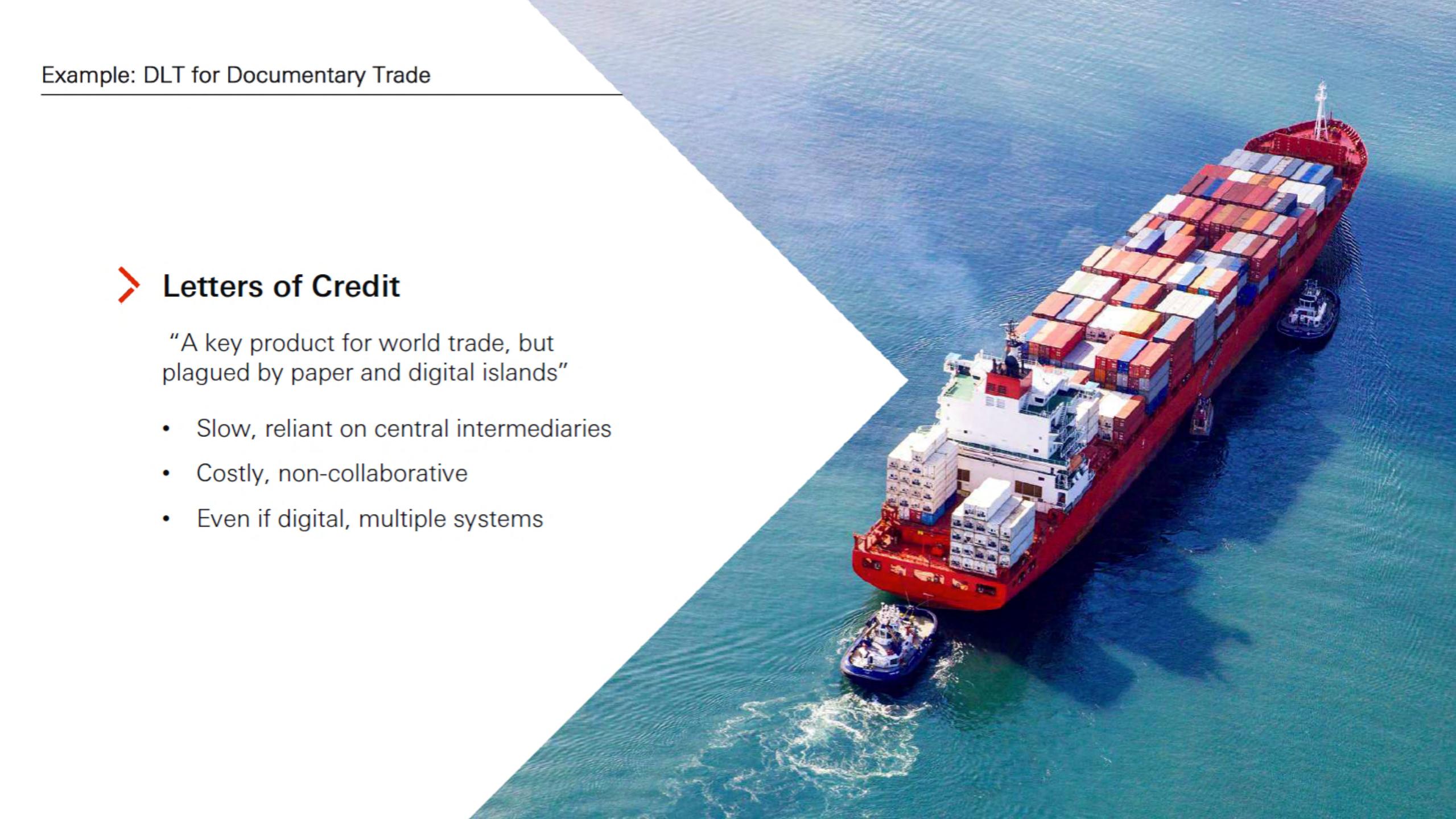
Where DLT comes in:

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





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

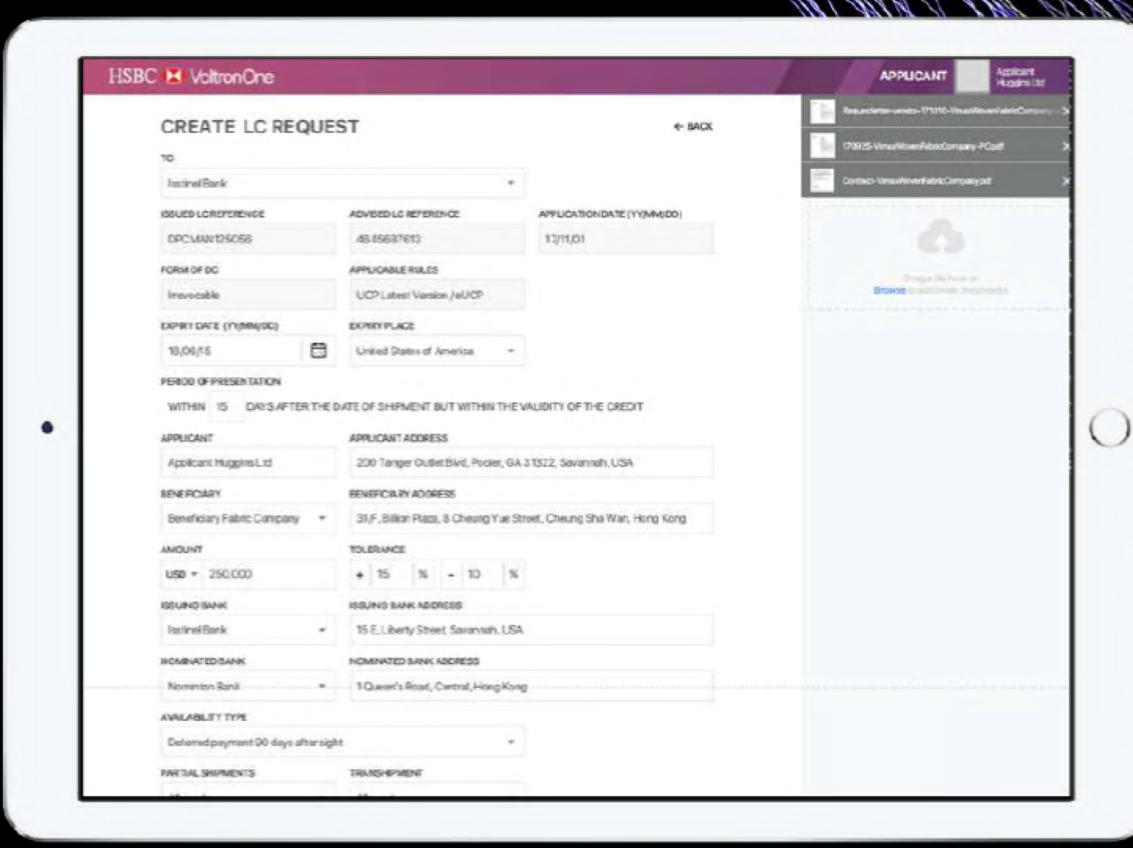
- Electronic Bills of Lading have been in existence for 2 decades, but have not had meaningful adoption
- Existing solutions are functional, but are digital islands not connected to other trade system
- We aim to incorporate eBL's into an end-to-end Letters of Credit process on a decentralized network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



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Duncan Wong Founder, CEO, Cryptographer Andrew Hon Founder, CTO

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

Revolutionize FinTech with Cryptography and DLT



CryptoBLK - About Us

March 2015

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

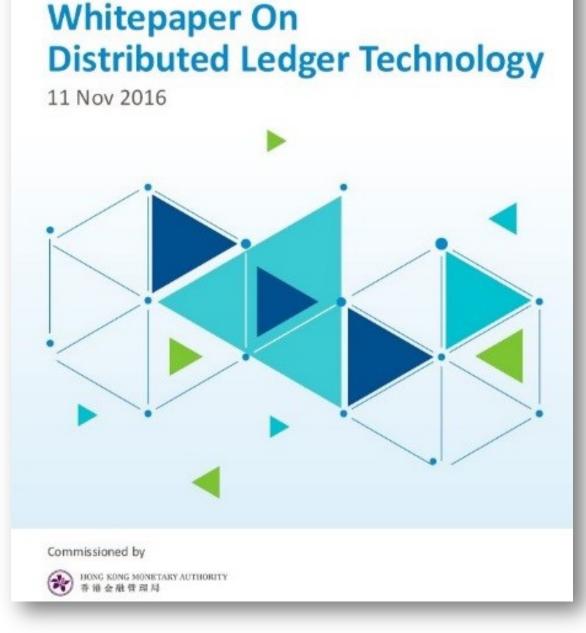


30 of the 150 FinTech engineers formed a Blockchain team led by Andrew.









November 2016

ASTRI

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

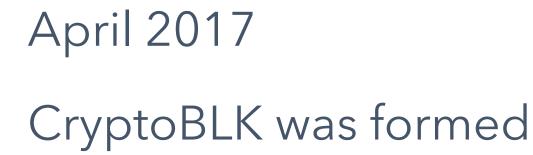


March 2017

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









September 2017

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



October 2017

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



January 2018

Hong Kong Insurance Industry technology partner

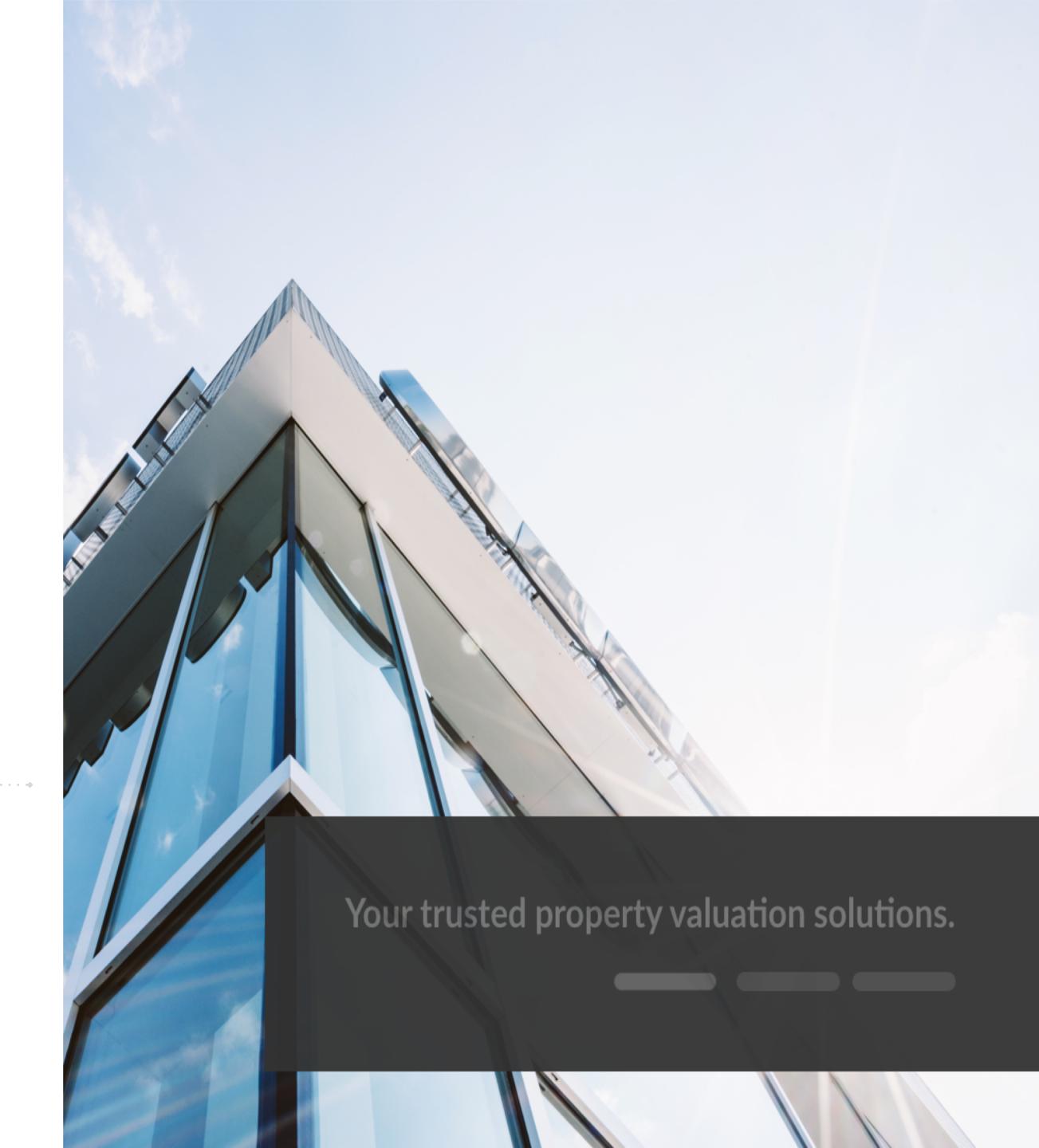








Launch a Corda-based Property Valuation and Management System





Pain Points in Property Market

- - Paper-based process
- 303
- Relies on personal relations
- - Ineffective negotiations
- No industry-wide mortgage alerts

Long delays, lengthy process













LOGIN

Forgot password?







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



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



Topaz: a Corda-based property valuation and management system

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



Distributed

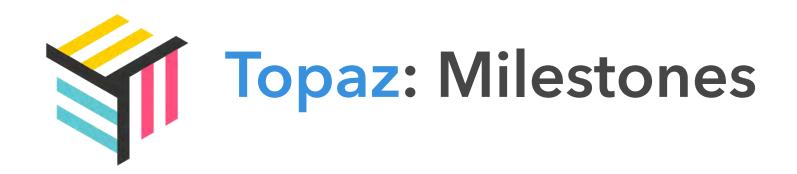
Topaz system is highly available and scalable.

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





June 2017: Design & Implementation



Topaz platform development began



December 2017: Pilot Runs



Pilot runs for banks and surveying firms began







Industrial Experts

Partnered with
PropTech experts





March 2018: CordaCon Tokyo

Official launch Topaz and begin free trials





1H2018: Open for your trial!

Contact us and get onboard to try out this Corda-based Topaz system.



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.





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