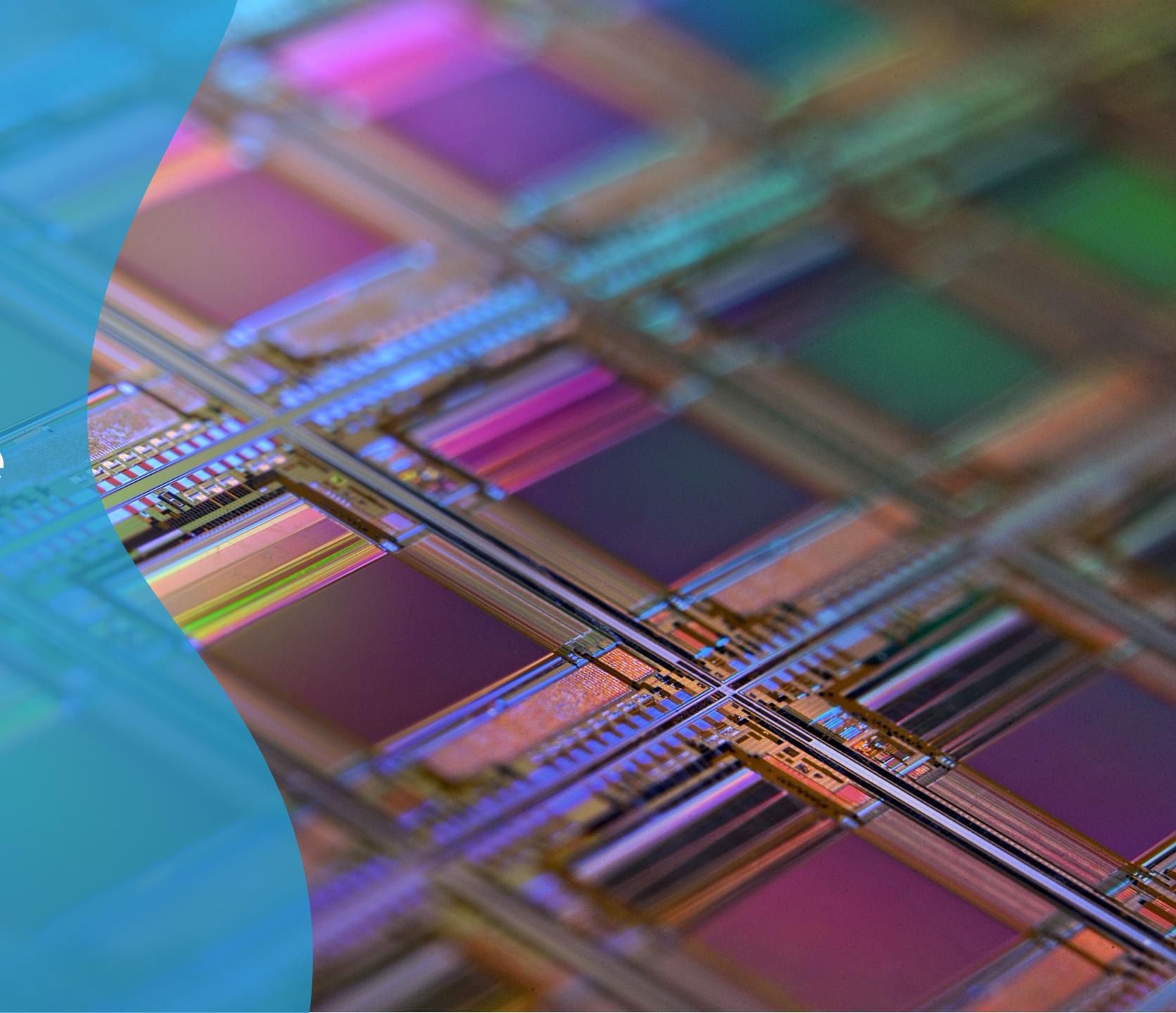
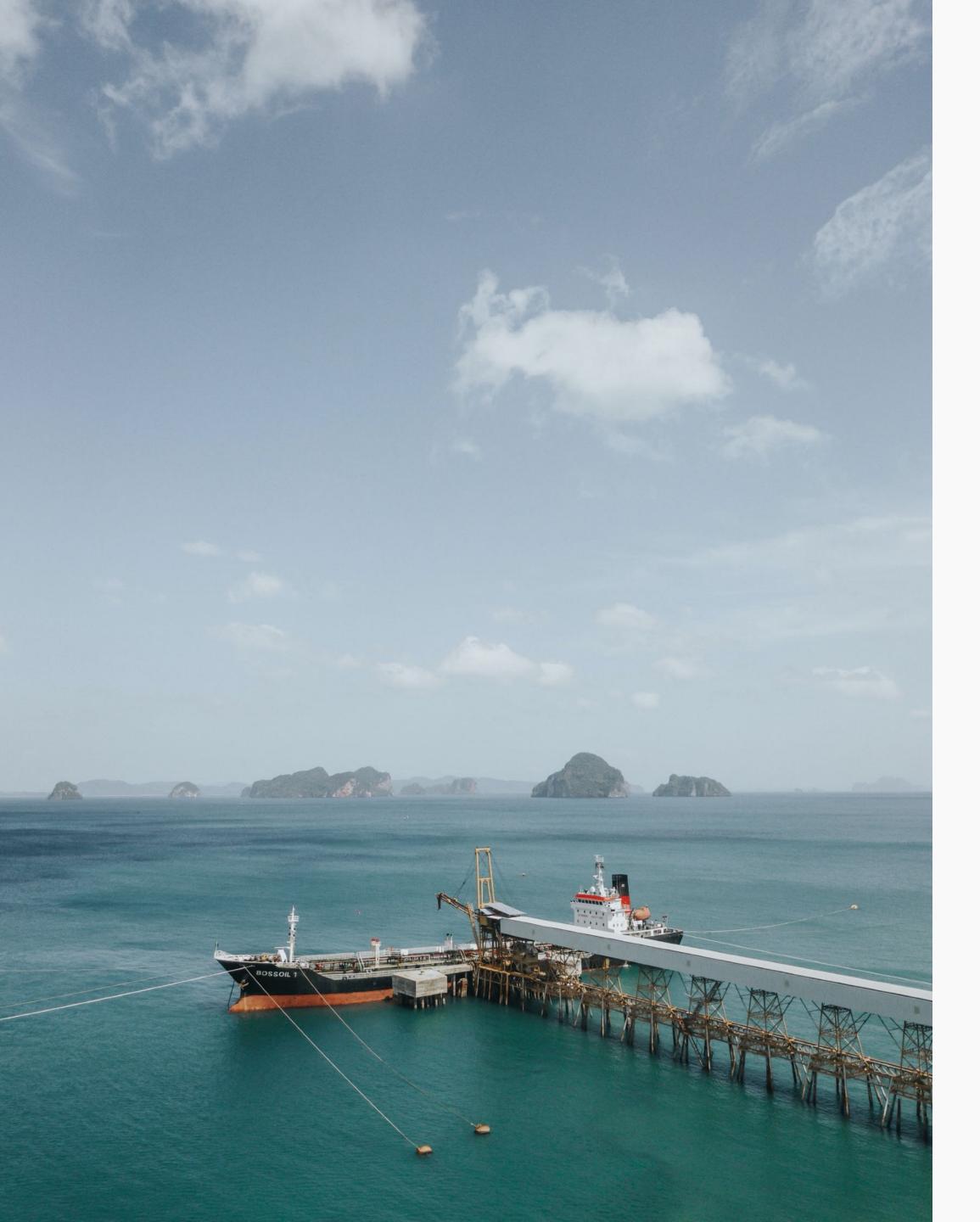
Blockchain for Trade Finance

Presenter:

Dr. Ravi Chamria

Co-founder Sofocle Technologies





About Sofocle

Brief overview of Sofocle – an Enterprise Blockchain company

Trade Finance Challenges

Current challenges in Trade Finance domain

TradeReboot Platform

An innovative platform for Trade Finance using Blockchain and Smart Contracts

agenda.

TradeReboot Infra Mx

A scalable deployment strategy and execution

ABOUT SOFOCLE

An Enterprise Blockchain company

Sofocle is one of the leading Enterprise Blockchain companies in the world. With a strength of over 60 experts in emerging technologies like Blockchain and Cryptocurrencies, Sofocle has built various products and solutions for enterprises, Blockchain start-ups and governments.

BFSI

- sofoCap Supply Chain Finance
- TradeReboot Trade Finance
- Insurra Automated
 Claim Settlement
- sofoSafe An Audit Layer

SCM

- Certum Supply Chain Traceability
- Certiza Digital Records Management
- sofoPay Procure to Pay Management

BaaS

 Zeeve – A No-Code Blockchain Automation Platform

Technologies

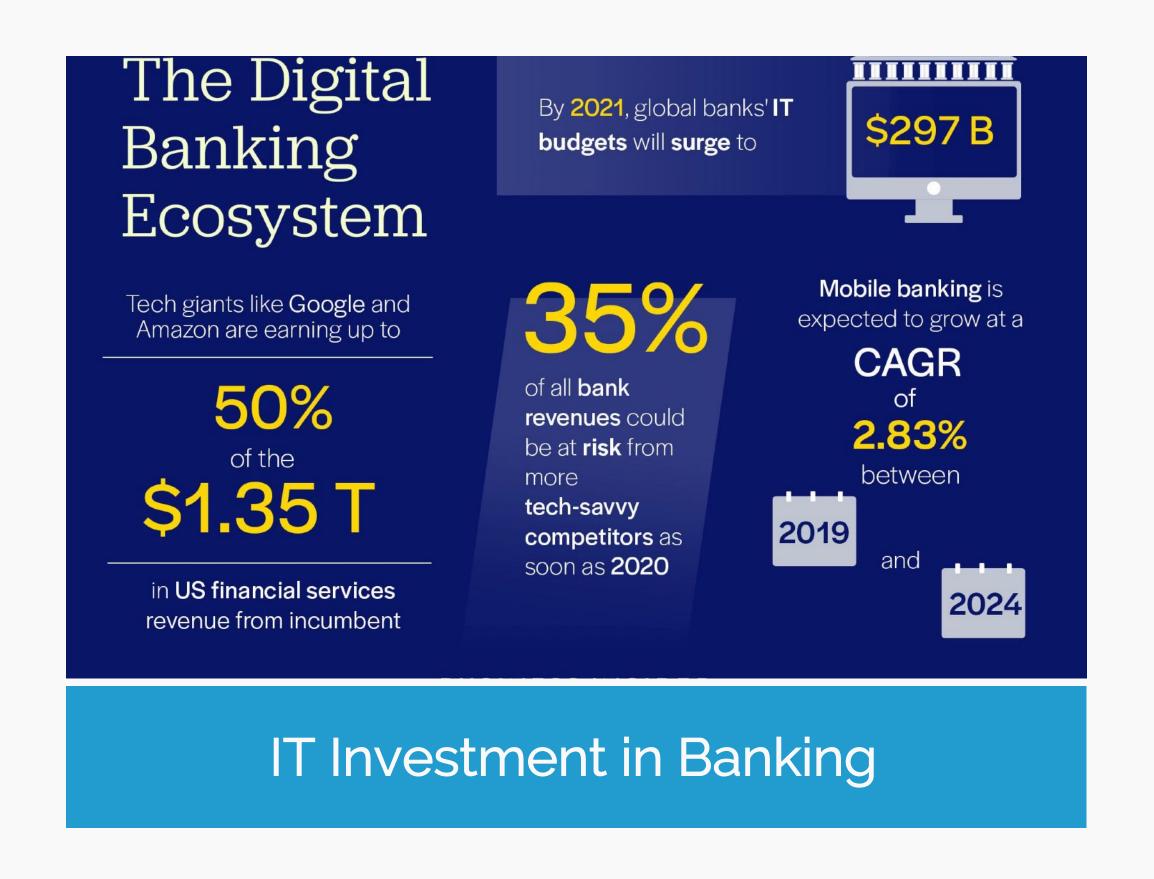
- HyperLedger Suite of Products, Corda and Ethereum
- C/C++, Rust, Python, GoLang
- ReactNative, Flutter, WebApp Stack
- MongoDb, MySQL, ReThinkDb, Cassendra
- Apache Ignite, Apache Spark, ThingWorx
- Intel SGX

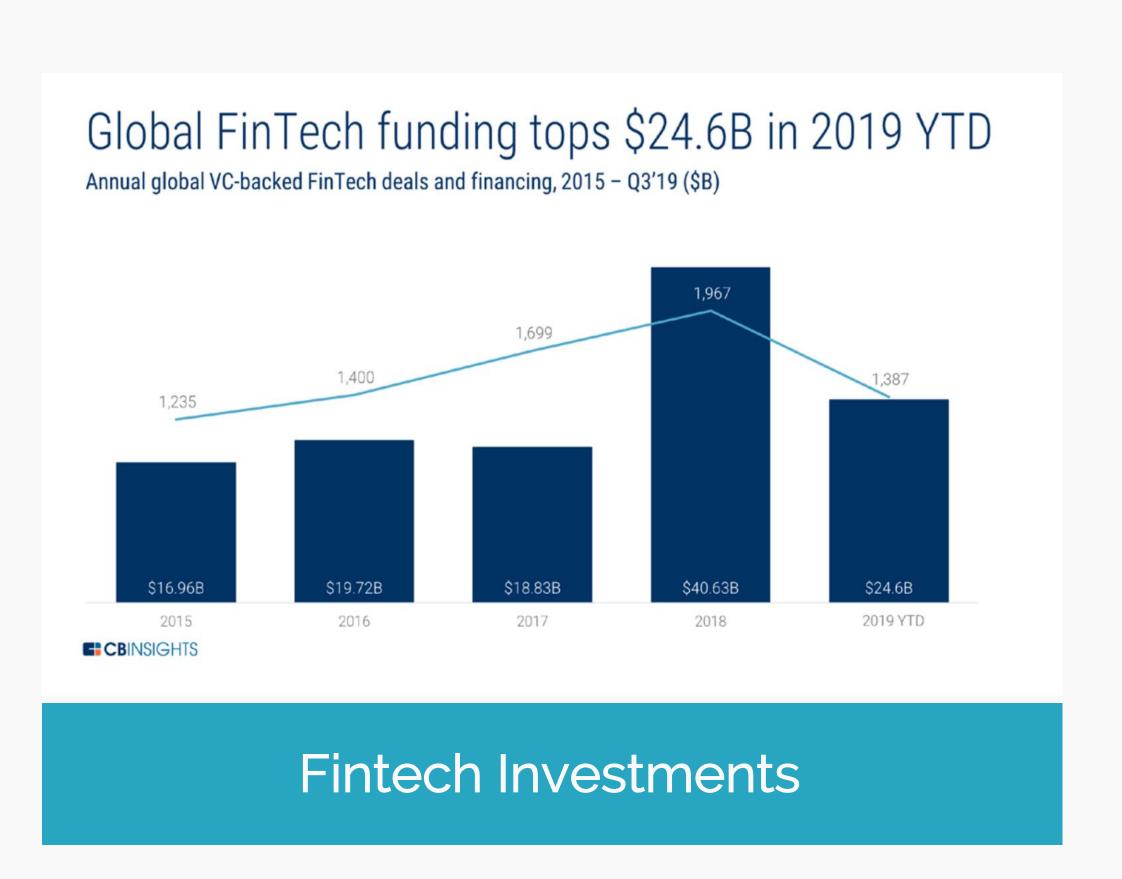
Sofocle Team

- Led by seasoned IT entrepreneurs and professionals
- Team of 45+ Blockchain engineers and domain experts

DIGITAL TRANSFORMATION IN FINANCIAL SERVICES

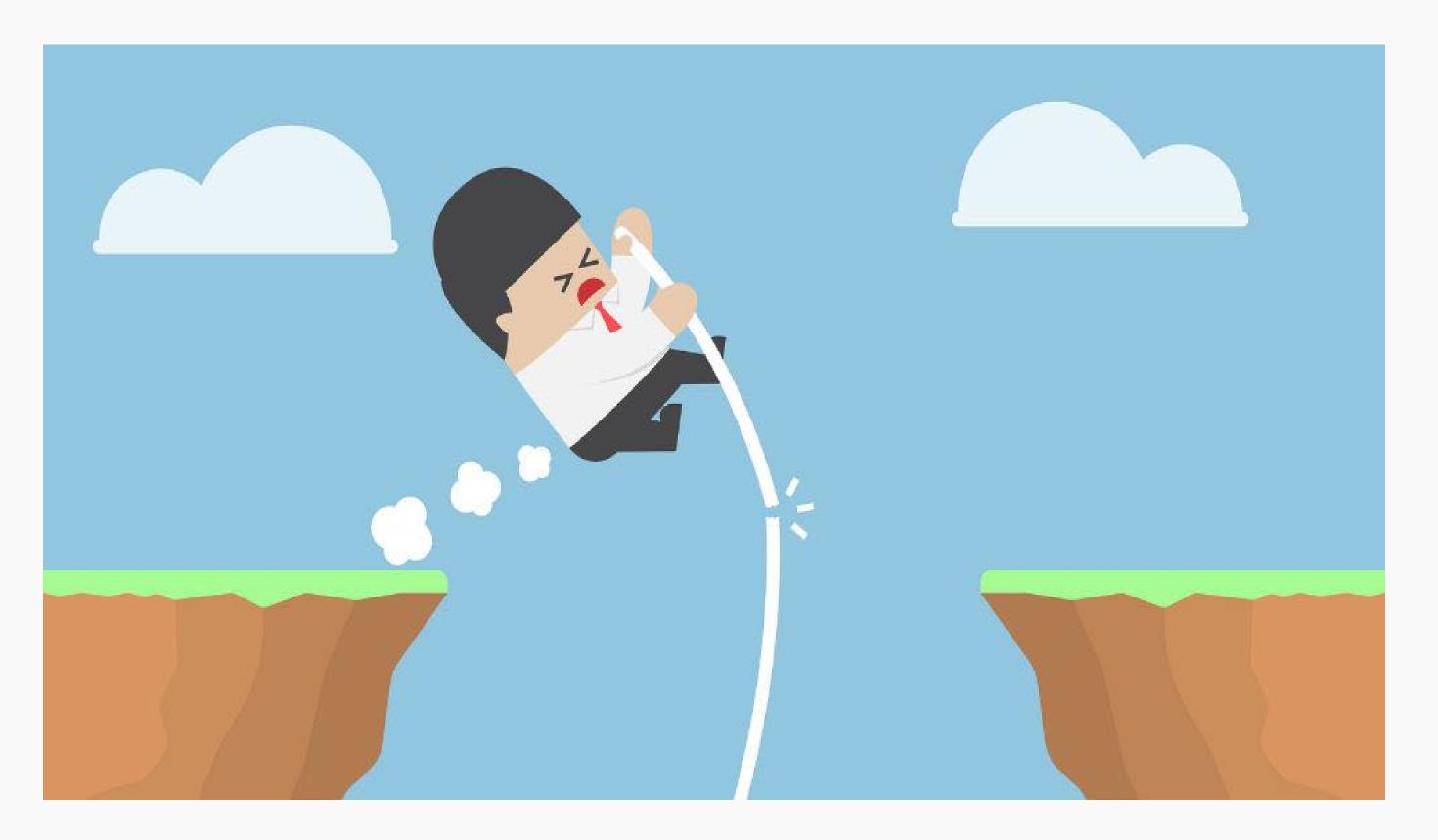
IT investments in Banking and new gen Fintechs have brought the wave of Digital Transformation in Banking





FALLING SHORT

The traditional technologies has little impact on underlying challenges – Reliance on 3rd Party Trust and Old Thinking



- Legacy Infrastructure
- Slow Processes
- Intermediaries
- Audits

FALLING SHORT TRADE FINANCE

Taking digital initiatives in Trade Finance as Example

- A bank payment obligation, or BPO, is a digital alternative provided by Swift.

 BPO uses automated data checking of standardized data sets, rather than stacks of paper.
- MT 798 has been in place for eight years..

An authenticated message service to exchange trade data between companies and member banks of Swift,.





Limited Reach

as digitalized only a slice of the trade process



Too Bank Focused

Banks mainly invested in digital trade channels and back-office systems



Too many changes

Banks asked too many changes by companies to understand and accept a new risk playbook

FALLING SHORT TRADE FINANCE

Current digitization masking the real challenges

01

Trade Finance Gap

is estimated at about \$1.5 trillion as per ADB. This could reach \$2.5 trillion by 2025 according to the World Trade Organisation (WTO)

02

Paper Based & Manual

From the 34 days of shipment, 10 days were due to waiting for documents – Maersk Test

03

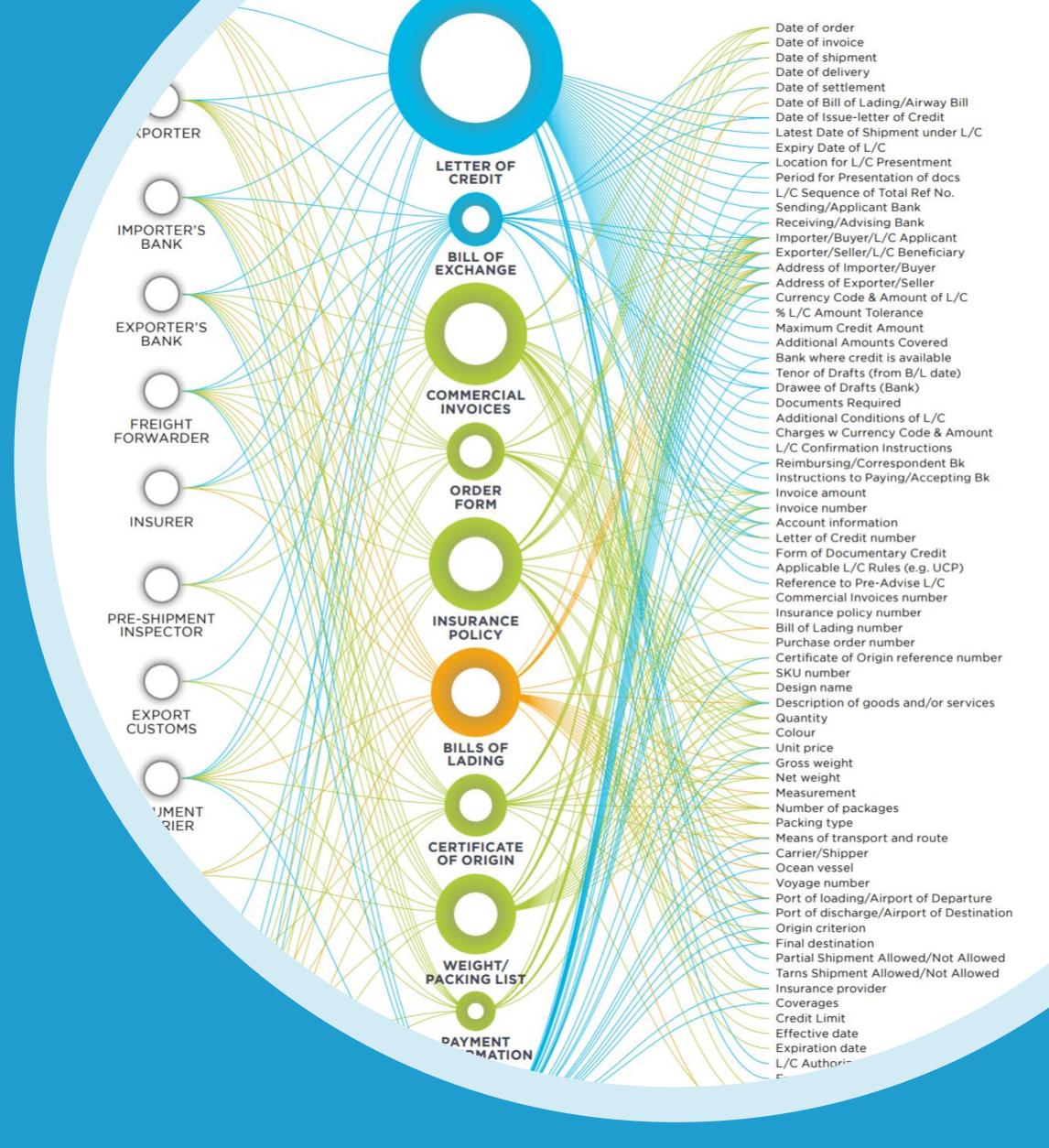
Siloed & Disconnected Systems

There is not one platform where all the parties can connect among each other

04

Highly Risky & Costly

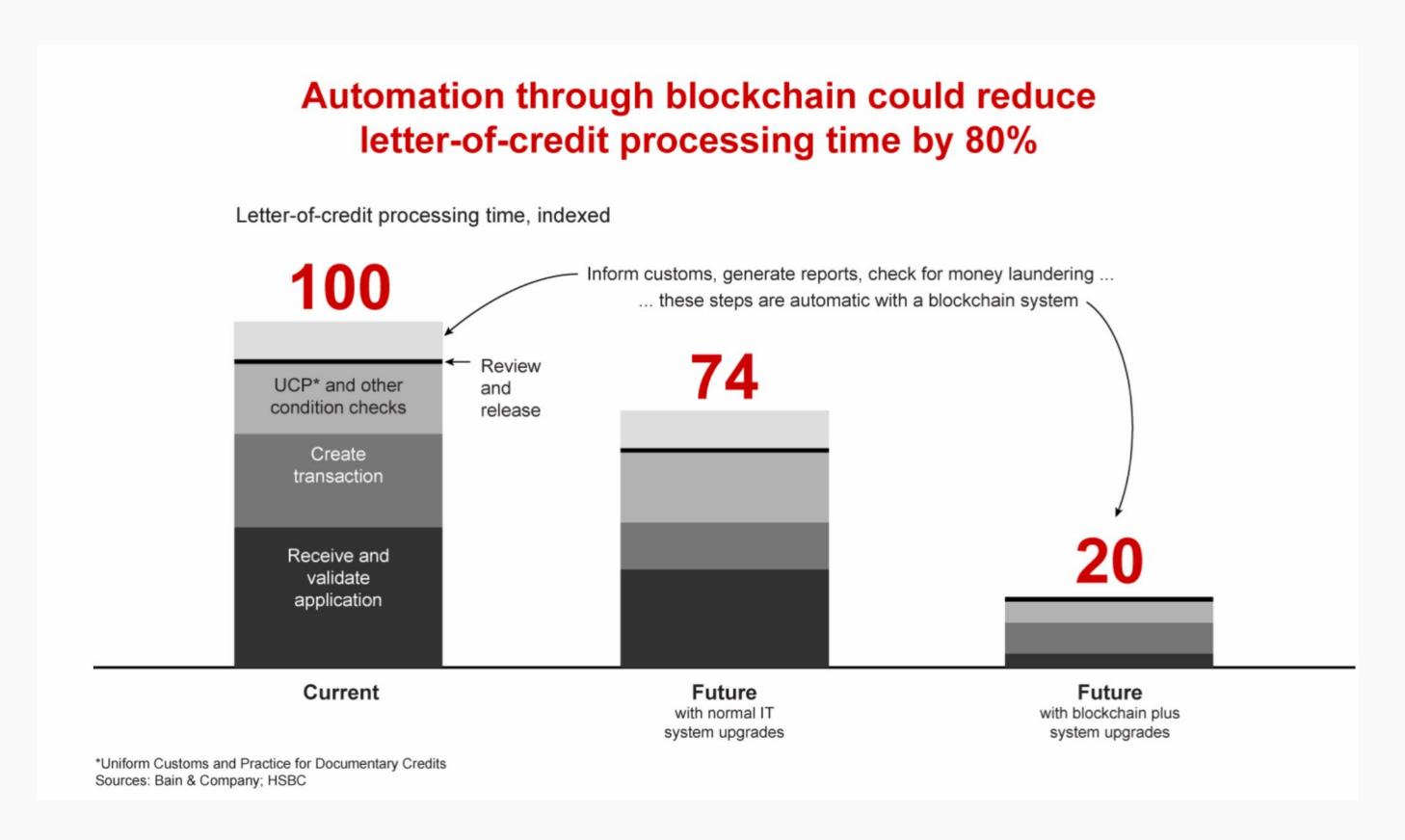
The absence of transparency results in a lack of trust and consequently a high-risk assessment and costs.



As per BCG report, the players create about 5000 data field transactions in a Single Transaction

BLOCKCHAIN TO THE RESCUE

With Open, Decentralized, Secure and Trustless Network, Blockchain truly disrupts



- Faster turnaround times
- Lower processing costs
- More trade financing made available
- Faster financing decisions
- Faster supply chain decisions
- Transparency of steps and status
- Accurate representation of each record
- Freed-up working capital

BLOCKCHAIN IN TRADE FINANCE?

Trade finance represents the financial instruments and products that are used by companies to facilitate international trade and commerce.



Exporters

Quickly distributed sources rather in empowered.



Importers

Quickly distributed sources rather in empowered.



Participating Banks

Quickly distributed sources rather in empowered.





Shipping and Logistics

Quickly distributed sources rather in empowered.



Customs/Regulatory Bodies

Quickly distributed sources rather in empowered.



Insurers

Quickly distributed sources rather in empowered.

TRADEREBOOT FEATURES

A collaborative and trustless platform for Trade Finance powered by Blockchain and Smart Contracts



Onboarding – KYC/AML

Digital Onboarding with KYC/AML checks and assignment of unique Digital Identity



Consignment Tracking

Asset/Consignment Tracking using chain of custody as well as IoT based tracking.



Smart Contracts

Smart Contracts for payments, financing decisions, SLA Management and Insurance cover



E-LC Management

Ability to apply for, receive, manage, issue and accept Electronic LC



Contract Dashboard

A single intuitive dashboard to manage all documents, messages, movements and notifications



Connected Ecosystem

Connecting all stakeholders like
Insurance, Shipping and Inspection
agencies



Document Management

Document Issuance/Upload with granular access controls and traceability



AIA Report

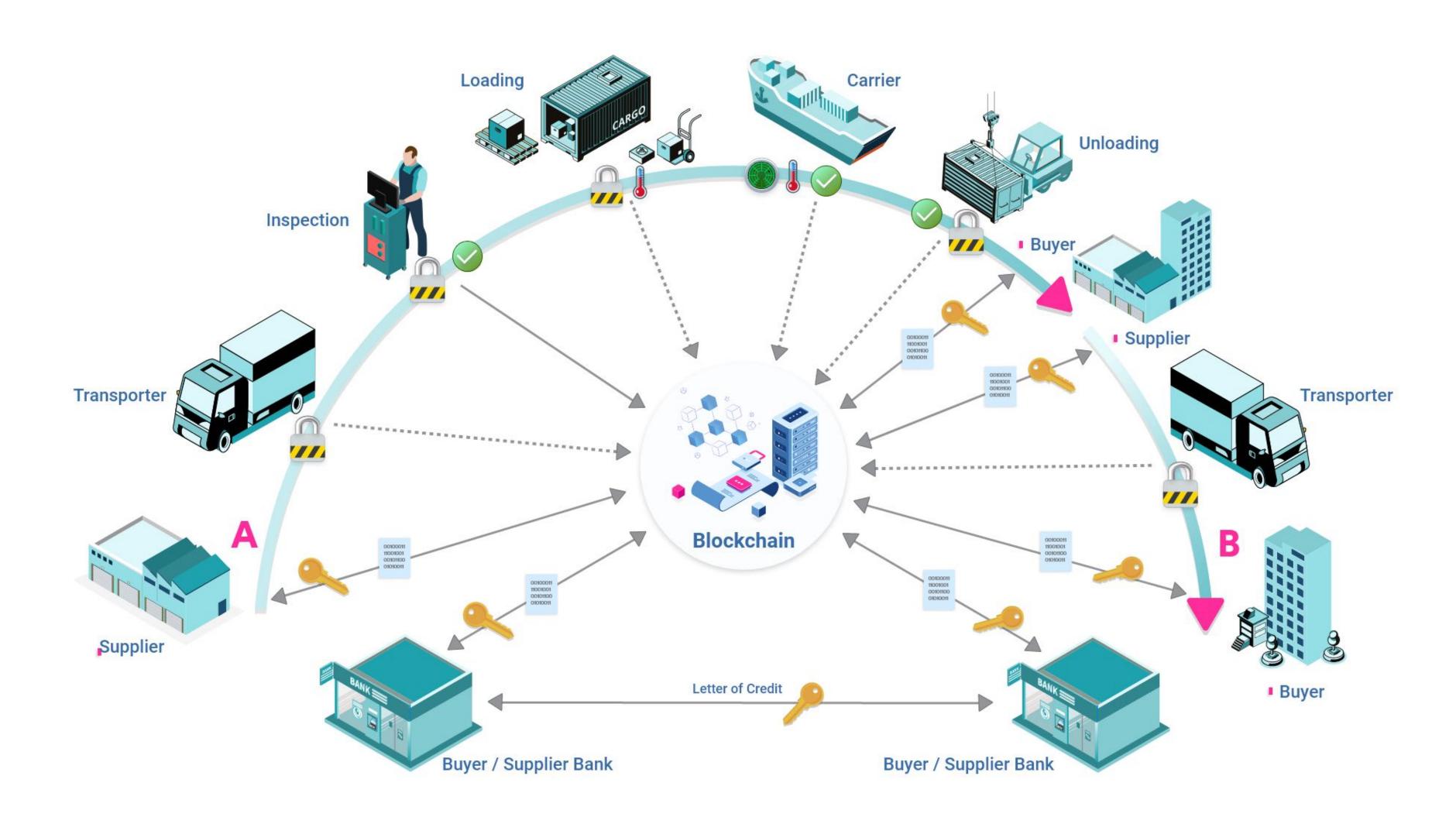
Based on deep learning and data analytics, a multi-parameter credit score for traders



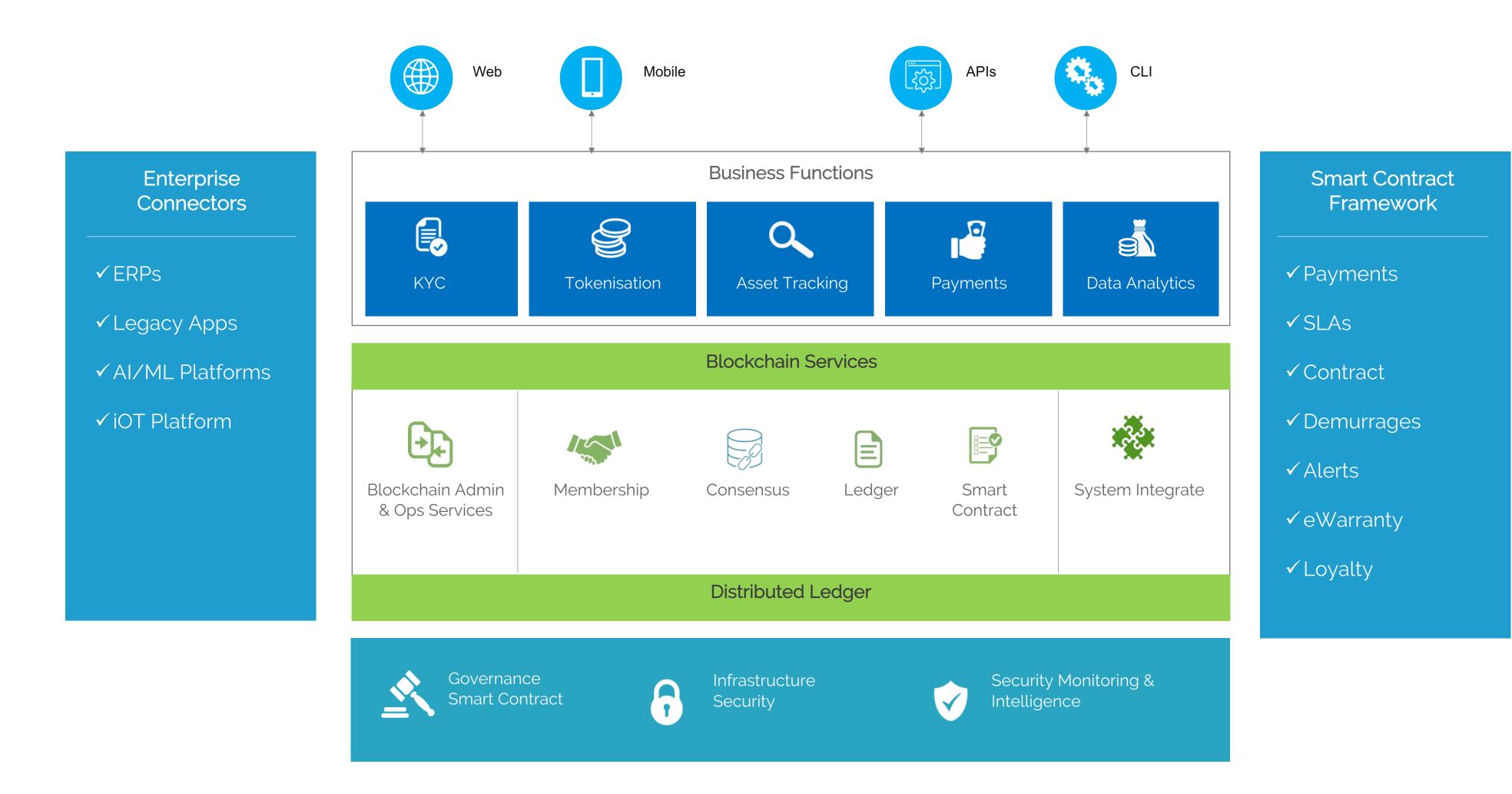
ICC & UCP Compliant

The platform is built on ICC guidelines with all contracts as per ICC compliance and payment processes as per eUCP compliance

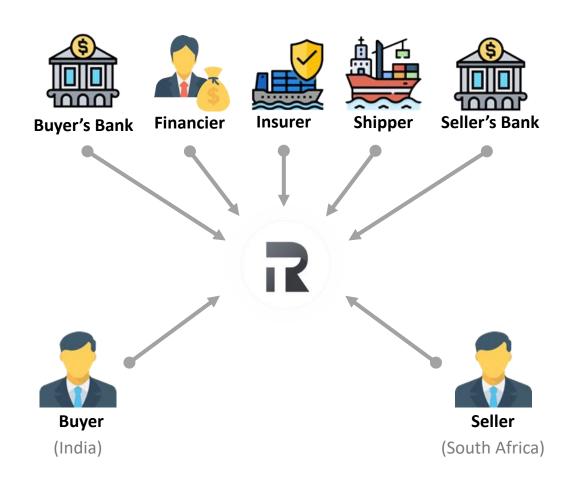
TRADEREBOOT JOURNEY MAP



TRADEREBOOT TECHNOLOGY OVERVIEW



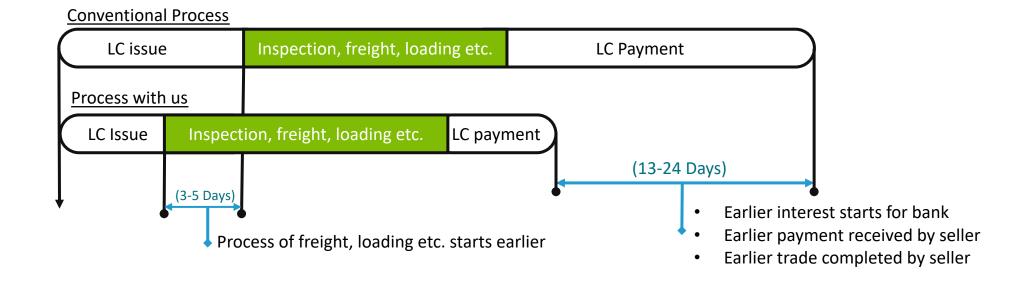
TRADEREBOOT CASE STUDY



Commodity Bought	Coal Grade 6000 Kcal, USD 3 Millions
Payment Method	Sight LC
Type	FOB (free on Board)

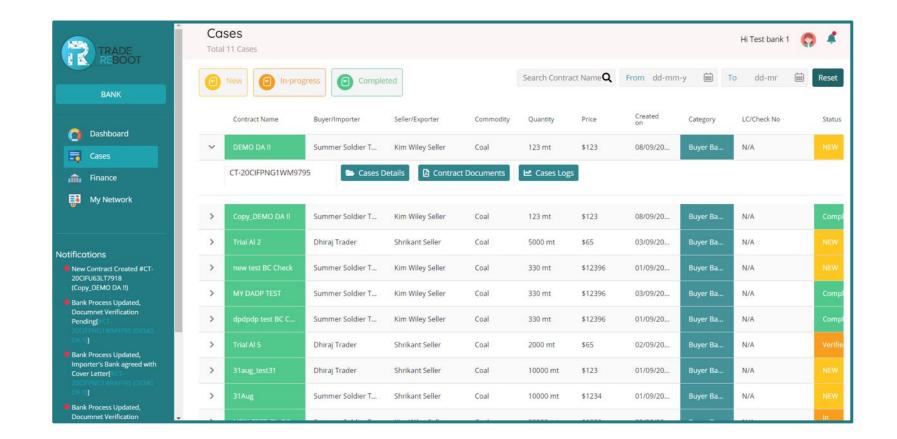
Process	Earlier	Now
Application for LC Issue	3-5 days	o day
LC Issue by bank	1-2 days	1-2 days
Time Saved LC Issue	3-5 days	
Freight, Inspection, Loading		
Issue BL	1-2 days	o day
Sending documents to seller's bank	1-2 days	o day
Seller's Bank check documents	2-3 days	o day
Seller's Bank send Documents to issuing bank	5-10 days	o day
Issuing Bank Check Documents	2-3 days	1 day
Payment	1-2 days	1-2 days
Time Saved LC Acceptance	10-19 days	

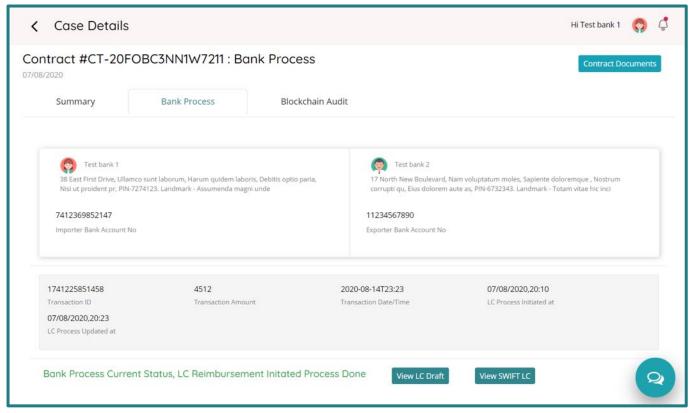
TRADEREBOOT CASE STUDY

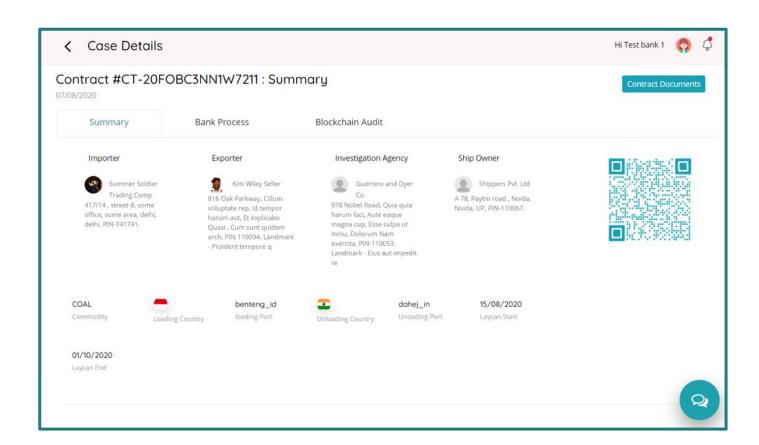


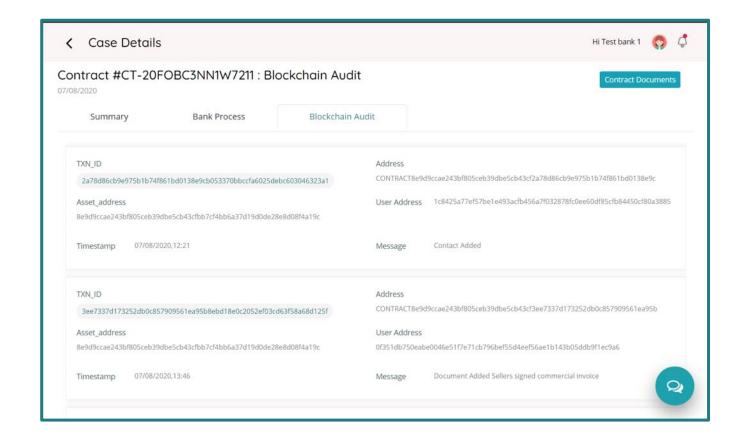
Bank	Seller	Buyer
3-5 days saved in LC Issuance	3-5 days saved in LC issue, means process by seller can be started earlier, ergo trade can be completed earlier	3-5 days saved in LC issue, means process can be start earlier and goods will be received earlier by 3-5 days
10-19 days saved in LC Acceptance, combined with time saved during issuing, a total of 13-24 days extra interest or earlier payback	10-19 days saved in LC payment, so payment will be received earlier after sending goods	10-19 days saved in LC payment, so credit line can be freed early
The whole process saves 13-24 days on a single transaction by buyer, thus same credit limit can be used a greater number of time	The combined process saves 13-24 days, considering IRR to be 1% pm a total of 0.4-0.8 % additional returns	The whole process save 13-24 days on a single trade, thus credit limit can be used a greater number of time

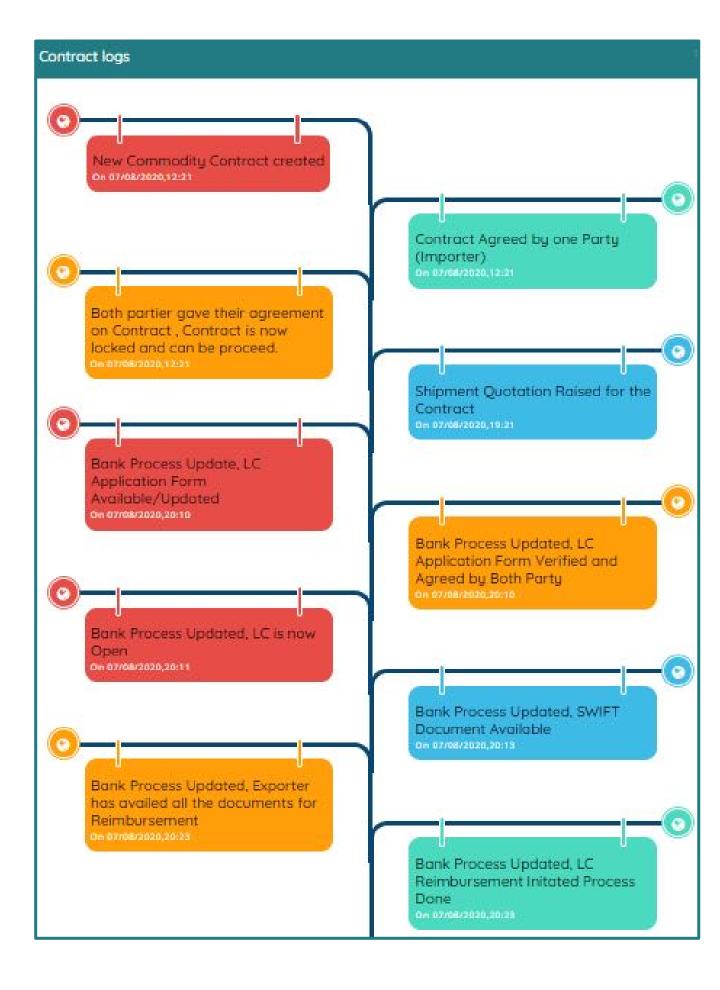
TRADEREBOOT CONTRACT DASHBOARD











TRADEREBOOT DEPLOYMENT

A Scalable Deployment Architecture using Zeeve BaaS Platform





Thank You

Blockchain Platform For The Most Efficient
Trading Experience in Trade Finance domain

