



TOKEN
ECONOMY
ASSOCIATION SG



TRIBE ACCELERATOR

PolyFinTech100 Hackathon 2019

BLOCKCHAIN

Problem Statements



Faster cross-border payments settlement: Leverage on blockchain to make cross-border payments especially settlement faster and cheaper



Integrated Supply Chain: Create a Spare Part Supply Chain ecosystem leveraging blockchain technology and tokenomics to digitize and optimize the supply chain business processes, from asset transfers, financing to items tracking.



Enhancing Food Safety: Leverage on blockchain and/or IOT to improve traceability and transparency of food, from farm to table.



Enabling Green Energy Adoption: Tap on the key features of Blockchain technology to enable green energy adoption

Faster cross-border payments settlement: Leverage on blockchain to make cross-border payments especially settlement faster and cheaper



- 40% of global payments transactional revenues with payment flows of more than \$135 trillion during 2016 (as per McKinsey).
- Problem:
 1. exchange rate until arrival of funds.
 2. multiple financial institutions creates a complex web of procedures resulting in delays and inaccuracy
 3. Operating hours of RTGS
 4. fees and charges at each stage of transaction.
- Project Ubin (Singapore), IBM WorldWire (Stellar), XRP

Integrated Supply Chain: Create a Spare Part Supply Chain ecosystem leveraging blockchain technology and tokenomics to digitize and optimize the supply chain business processes, from asset transfers, financing to items tracking.



- The use of blockchain can improve efficiency in supply chain by:
- Sharing of information for planning
- Establishing authenticity/provenance
- To consider:
 - Establishment of trust in the data
 - Business considerations:
 - Privacy of data
 - Competition (upstream and downstream)

Enhancing Food Safety: Leverage on blockchain and/or IOT to improve traceability and transparency of food, from farm to table.



- Walmart and IBM has partnered to launch blockchain food safety solution
- Currently, it is difficult for anyone to keep track the entire supply chain of food.
- Blockchain combined with IOT can provide a shared databased amongst all suppliers so as to maintain a proper digital log.
- In case of infected food, regulators can easily trace the source of supply and curb the problem

Enabling Green Energy Adoption: Tap on the key features of Blockchain technology to enable green energy adoption



- Panel efficiencies have seen solar costs fall by 80% and they're set to fall further
- Power sector has been slow to recognize blockchain's potential and awareness across the industry is lacking
- Blockchain could enable an energy sharing economy via smart meters and peer-to-peer platforms