



THE JOINING UP CONSTRUCTION CONVERSATION

DEVELOPING A DIGITALISED
DISTRIBUTED LEDGER
PLATFORM FOR CONSTRUCTION
SUPPLY CHAINS





C4SMC TEAM

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Supervisory Panel

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- Dr Sepani Senaratne









THE STATUS QUO sub

- Building a complex product
- Long supply chains
- Adversarial culture
- Payment delays
- Issues of trust
- Product compliance



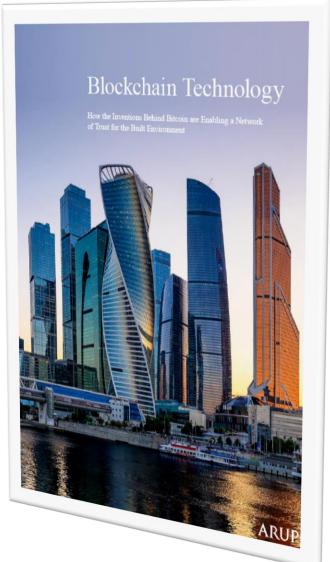




FINTECH

- Digitalisation: Industry 4.0
- Internet: Intranet: Extranet
- Internet of Things (IoT)
- Fintech --- Internet of Value
- Blockchain is a decentralized, distributed and public digital ledger that is used to record transactions across many computers
 - Cannot be changed or immutable
 - Decentralised and permission-less ledger
 - Blockchains eliminates the middle man in transactions



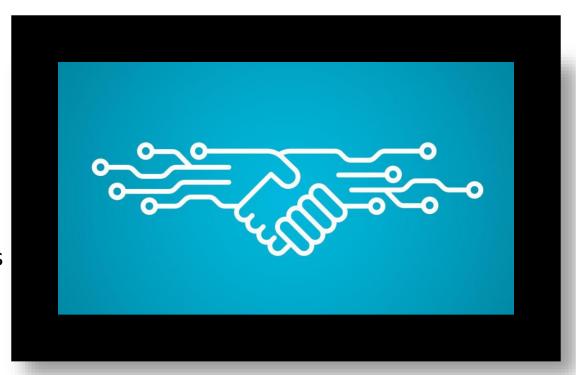






SMART CONTRACTS

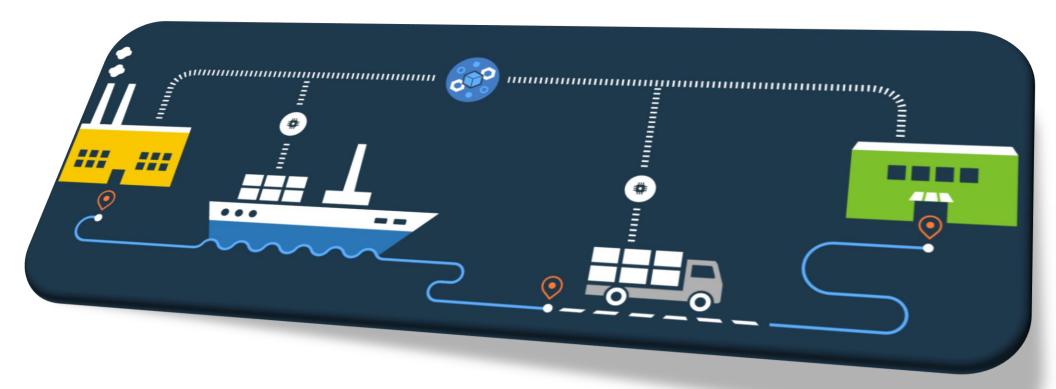
- Guiding rules and regulations
- A smart contract is a computer protocol intended to digitally facilitate, verify, or enforce the negotiation or performance of a contract.
- **Smart contracts** allow the performance of credible transactions without third parties. These transactions are trackable and irreversible.
- Self executing contracts without trusted intermediaries
- Blockchain is driven by algorithms
 - These are essentially rules
 - Laws are rules
- Smart contracts are driven by laws encoded in to algorithms







AIM



 This research aims to develop a methodology for greater integration of supply chains through the use of DDL technologies

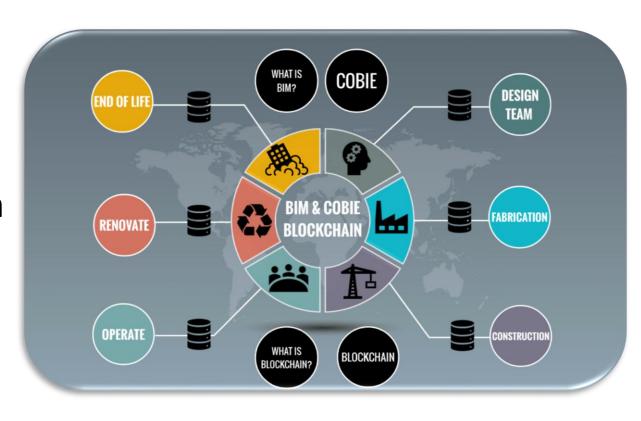




WHAT WE WILL DELIVER

- A Blockchain platform for construction supply chains
- Test and validated system
- A Smart Contract for Construction
- We need your collaboration









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