

BLOCKCHAIN INFRASTRUCTURE IN MALAYSIA

PRESENTED BY



neuroware

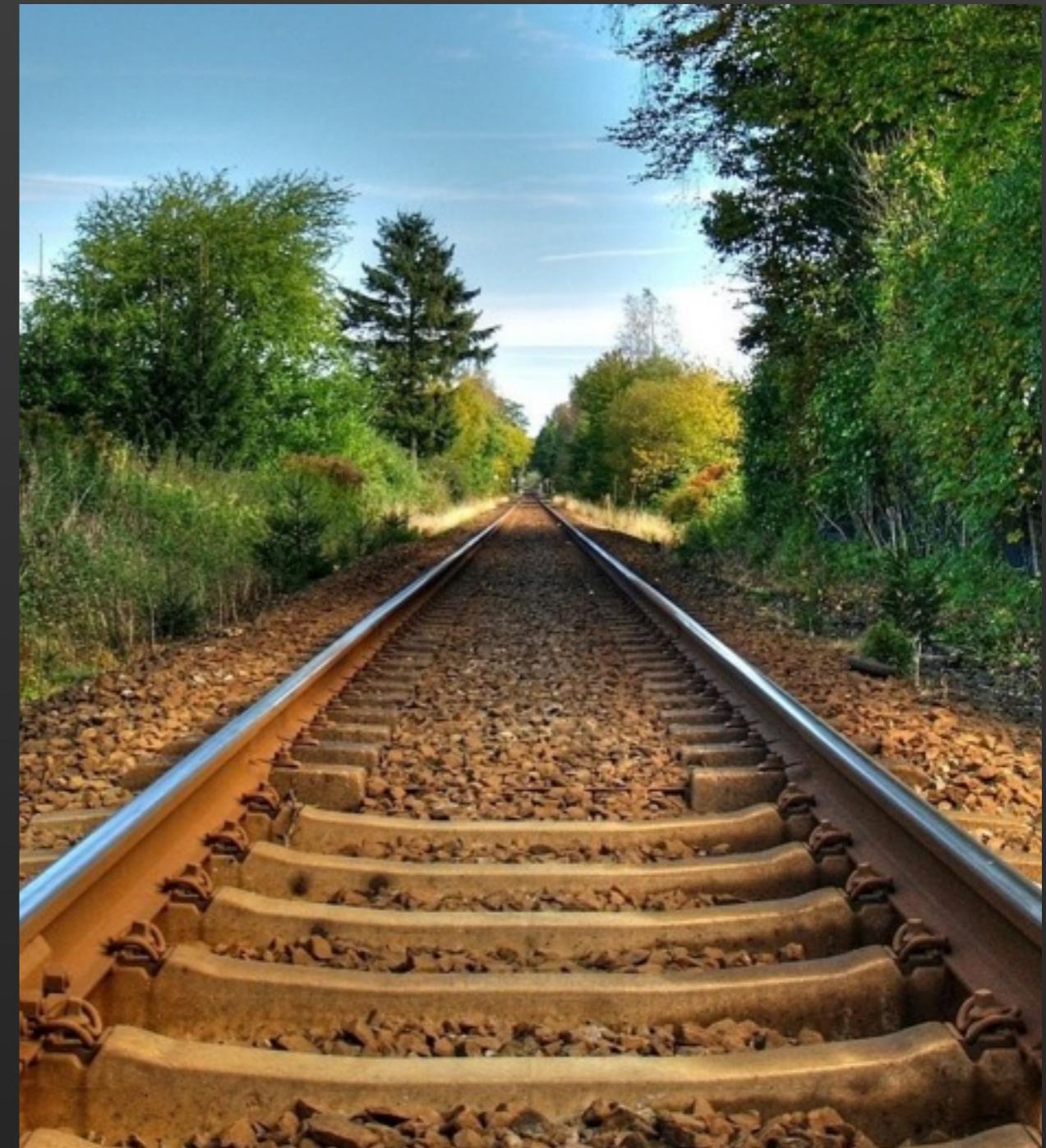
BITCOIN

(the first application / popular digital asset)

vs

BLOCKCHAINS

(the underlying tech / shared public ledger)



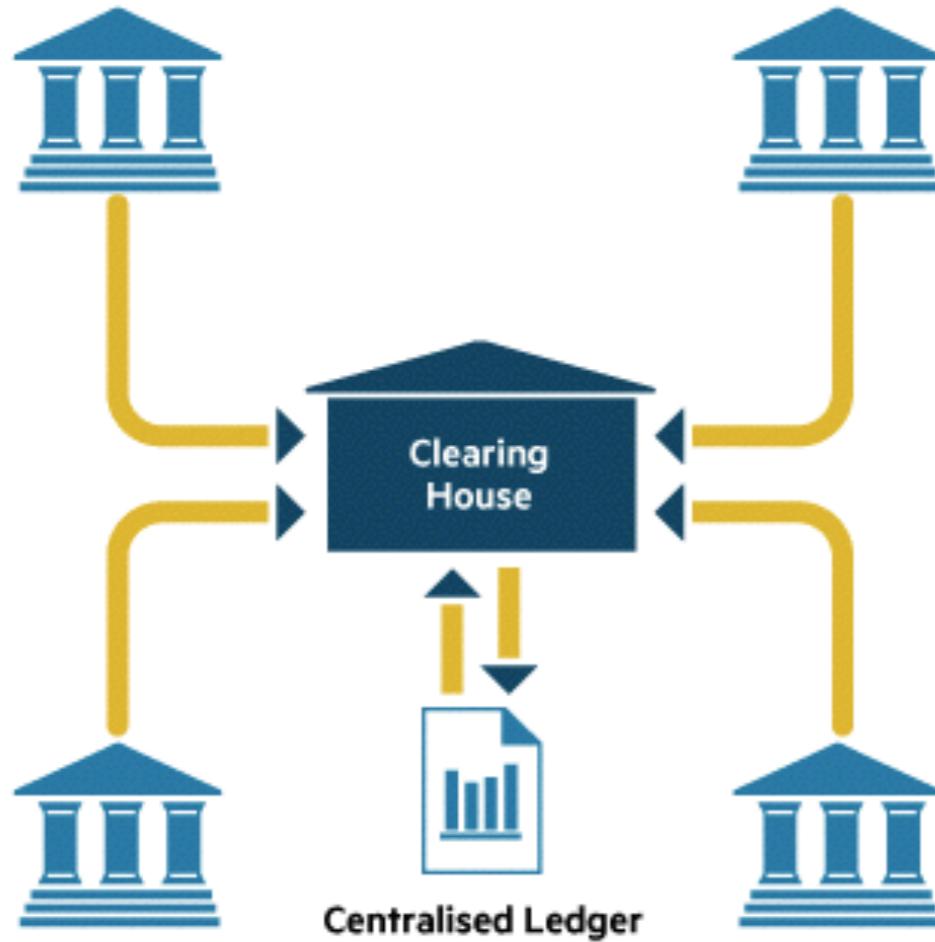
WHY BLOCKCHAINS ? - THE PROBLEMS BEING SOLVED

- **TRUST** - difficult to trust recorded data when data can easily be changed
- **COSTS** - cloud based infrastructure & technical support can be expensive
- **COLLABORATION** - blockchains provide a neutral standardized platform
- **INNOVATION** - true innovation is difficult to achieve with legacy systems

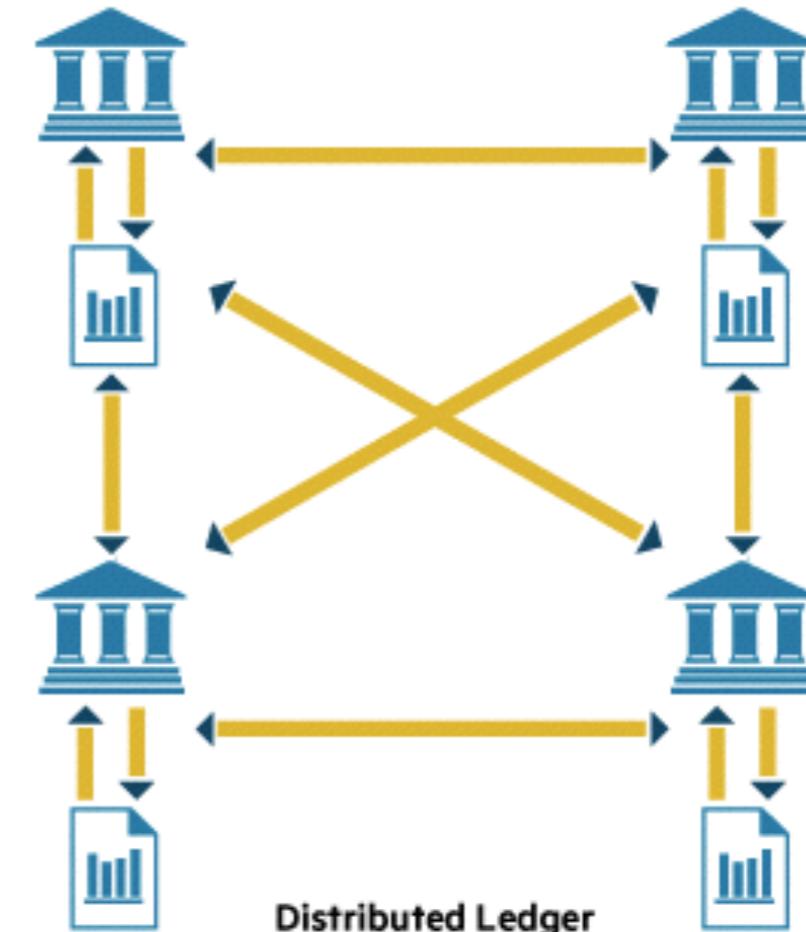


“While Fintech Disrupts Banks,
the Blockchains Disrupt Fintech”

INNOVATING HAS TYPICALLY REQUIRED TRUSTING OTHERS



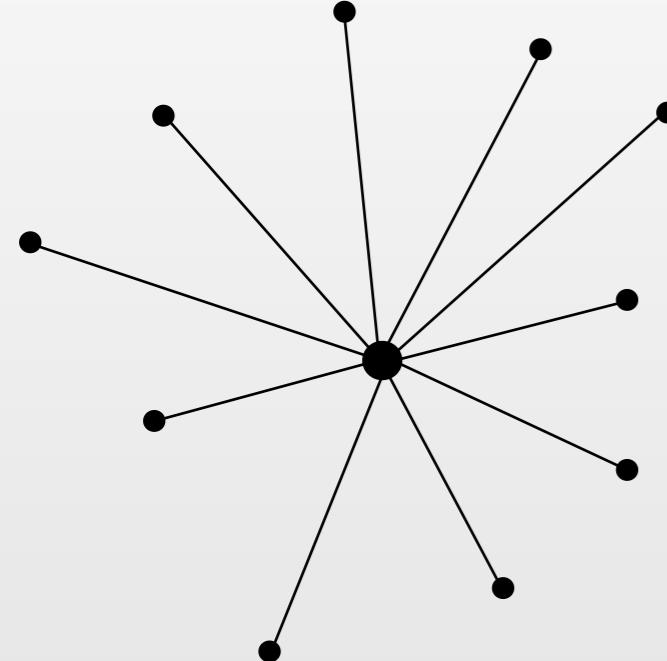
THE OLD WAY



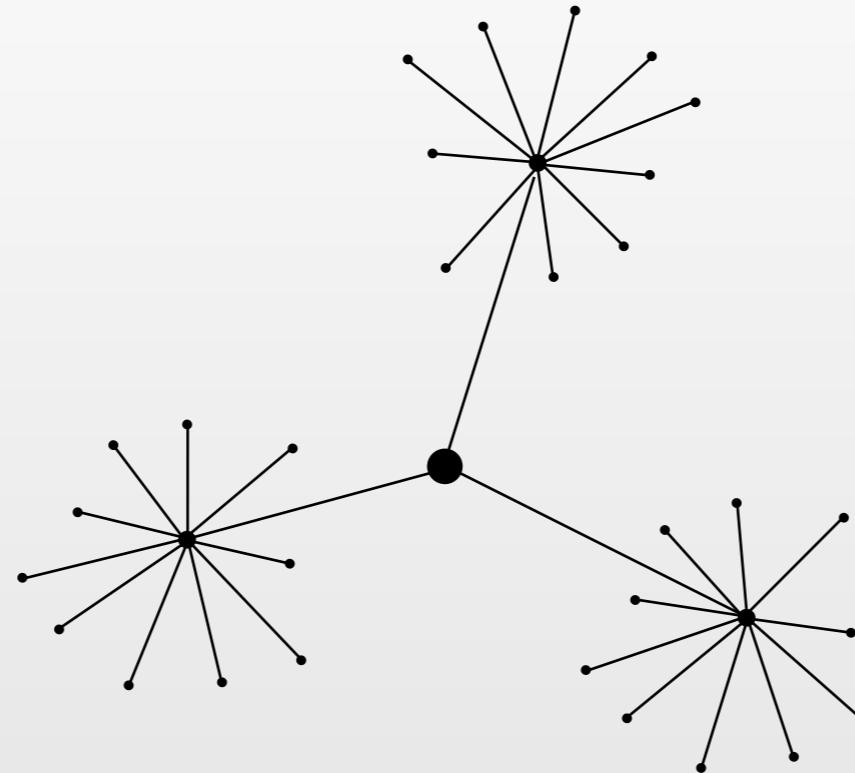
THE NEW WAY

- Reconciling Multiple Central Ledgers Vs Auto-Audited Distributed Ledgers?
- Batch Processing CSVs every 24 Hours Vs Really Real-Time Settlement?

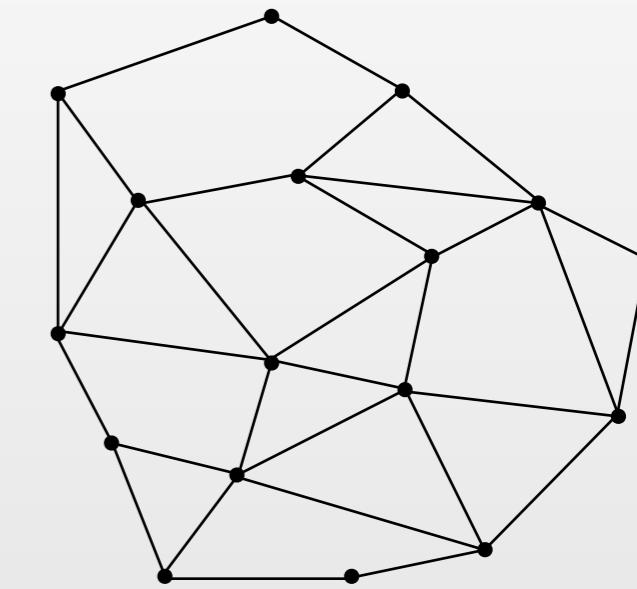
NETWORK EVOLUTION - STORING DATA & SERVING CUSTOMERS



**CENTRALIZATION
DATABASES**



**DECENTRALIZATION
THE CLOUD**



**DISTRIBUTION
BLOCKCHAINS**



HOW NEUROWARE HAS BEEN HELPING BUSINESSES IN MALAYSIA

Our parent company (R1) has been operational for 5 years - providing:

- **EDUCATION** - from corporate innovation training to technical workshops
- **CONSULTING** - brainstorming business use cases and product roadmaps
- **DEVELOPING** - full stack product design, development and support

Our blockchain specific product range includes:

- **CORTEX & SPINAL** - blockchain based operating system with APIs
- **DISTRIBUTED PROTOCOLS** - store data and identities on any blockchain
- **WALLET FRAMEWORK** - easily deploy customized keyless HTML5 wallets

HOW BLOCKCHAINS COULD BE APPLIED TO SUNWAY GROUP

Standalone prototypes could quickly be developed in the following areas:

- **HOSPITALITY & LEISURE** - from loyalty points to smarter IoT payments
- **EDUCATION & HEALTHCARE** - tamper proof permanent public records
- **SUPPLY CHAINS** - providing a secure neutral platform for multiple partners

Other organizations and institutions applying this technical for similar use cases:

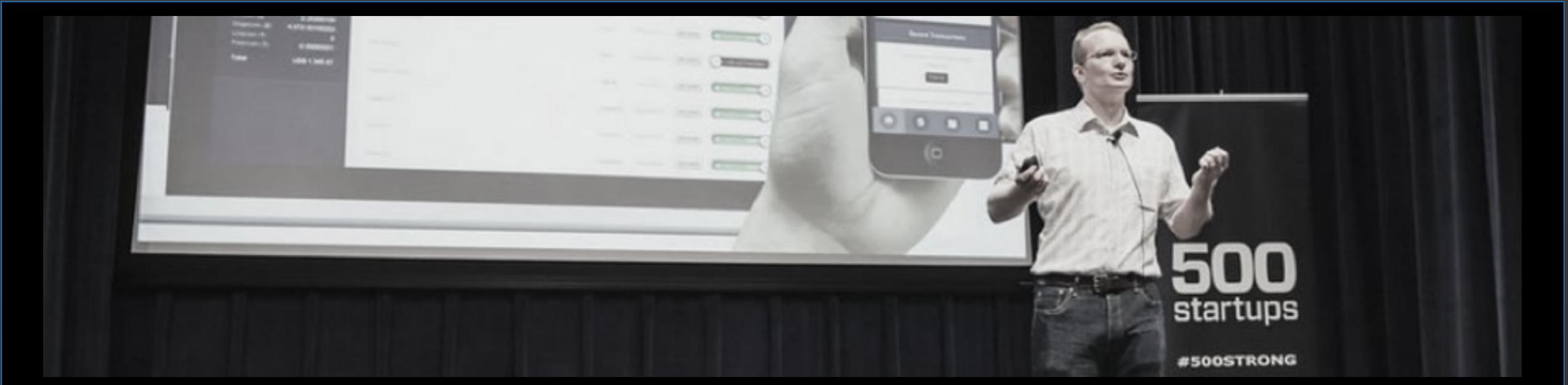
- **DISNEY** - released their own blockchain (dragonchain) in Q4 of 2016
- **MIT & NHS** - both organizations exploring blockchains for public records
- **WALMART & IBM** - both have invested heavily into blockchain supply chains

IBM NOT ALONE - 2016 - AN EXCITING YEAR FOR BLOCKCHAINS

In 2016 alone, over 100 banks and leading financial institutions started working on blockchain projects - with the eco-system receiving over US\$1 billion in funding



WHY CHOOSE NEUROWARE TO EXPLORE BLOCKCHAINS ?



- **Only Malaysian Company** to Graduate from 500 Startups in Silicon Valley
- **1st Company in Asia** Providing Public Blockchain APIs & Developer Toolkits
- **1st in The World** to Develop Non-Financial Blockchain Agnostic Protocols
- Helped Organize World's 1st Bank-Backed Blockchain Hackathon (DBS)
- Over 15 Years of Collective Blockchain Development Experience

WHO FOUNDED THE FIRST BLOCKCHAIN MSC COMPANY ?



Mark Smalley - CEO

Living in Malaysia for the past 20 Years

Building Web Applications for 15 Years

Spent 10 Consulting with Government

Developing on Blockchains for 5 Years

Ruben Tan - CTO

Building Web Applications for 10 Years

Community Builder & Event Presenter

Early Developer at MyTeksi and OnApp

Studying Distributed Systems for 5 Years

WE HAVE A TRUSTED TEAM OF VESTED-ADVISORS



Colin Charles
MariaDB Founder



Adam Giles
Ex Standard Chartered



Hanson Toh
Axiata / Ex Google



David Barton Grimley
Sapient Nitro



Johnny Mayo
Forbes 30 Under 30



Wu Han Ngeow
Maxis



Gabey Goh
Campaign Asia-Pacific



Gareth Davies
Mindvalley

THESE ARE THE DIFFERENT INDUSTRIES THAT WE WORK WITH

BANKING

From AML & KYC cost reductions to reward schemes & reaching the unbanked or general key-signing

HEALTHCARE

Complete and immutable family histories of every related diagnosis and condition available from one key

ACCOUNTING

Creation of programmable processes and automated auditing trails that increase transparency and efficiency

LEGAL

Cryptographically secure document notarization, copyright protection, and dispute settlement

GOVERNANCE

Increase the accountability of public officials and offer total transparency in voting and elections

LOGISTICS

Tracking of shipping cycles and provenance systems that autonomously verify actions

GAMING

Share digital assets between an entire network of games, or use the blockchains to create immutable persistent open-worlds

ASSETS

Track possession of your property in the digital economy by creating, managing, storing, or sharing multiple asset classes

INSURANCE

Integrated insurance and medical services can be intelligently designed to quickly and contractually settle claims with cryptographically

EDUCATING AND TRAINING ORGANIZATIONS HAS BEEN KEY

“Having finally seen Cortex in action, I can safely say these guys have something truly special on their hands, my only disagreement is that they should be based in Singapore!”

“Neuroware have been our ‘go to’ guys with respect to blockchains and critical in raising the understanding of distributed ledgers for our senior leadership teams and partners”

“Neuroware have consistently been our key consultants with regards to blockchain technology. Their participation provided us with use cases that weren’t first obvious”



Anson Zeal - CEO
Bitcoin Remittance Company



Amran Hassan
Head of Innovation



Max Tiong
Head of FinTech

THE BLOCKCHAIN EMBASSY OF ASIA - MADE IN MALAYSIA



BlockChain Embassy Asia

AMBASSADORS

USE CASES

CONTACT EMBASSY

TOOLBOX

NEWS

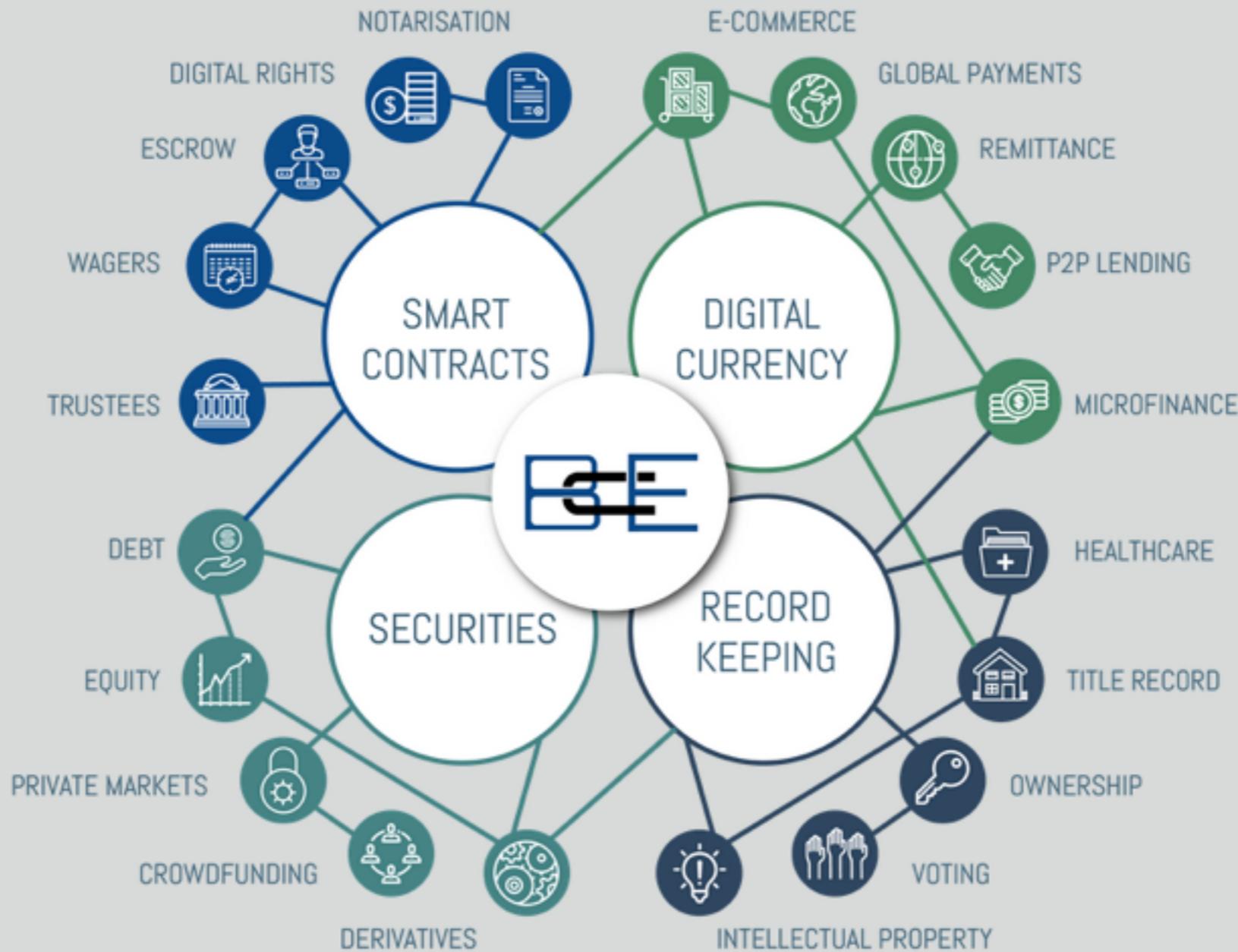
**our mission is to educate organizations throughout asia in both
the legal and technical implications of distributed ledgers**

We are a non-profit digitally distributed organization that is using and promoting blockchain governance as a method for collaboration between various business entities and existing community efforts across Asia

REQUEST MEMBERSHIP

BIG PROBLEMS INVOLVE MULTIPLE PARTNERS & MOVING PARTS

(now drawing attention from international banks seeking partnerships)



9 FOUNDING MEMBERS FORM THE STEERING COMMITTEE

Malaysian BlockChain Ambassadors



Trustee Ambassador

MahWengKwai
& Associates



Banking Ambassador

CapitalBay

Invoking Ambassador

REDmoney

Media Ambassador



IoT Ambassador



FinTech Ambassador



Education Ambassador



Technology Ambassador

CORTEX USE CASE - ONE OF SIX LICENSED ECF OPERATORS

ataplus

Dogecoin (Testnet) Blockchain / ATA-Plus V0.0.1 / Datastores / Investments

Credits: 254.0000000 FLUSH LOGOUT

COMMITS

DATASTORES

ISSUERS

COMPANIES

INVESTORS

INVESTMENTS

SECTORS

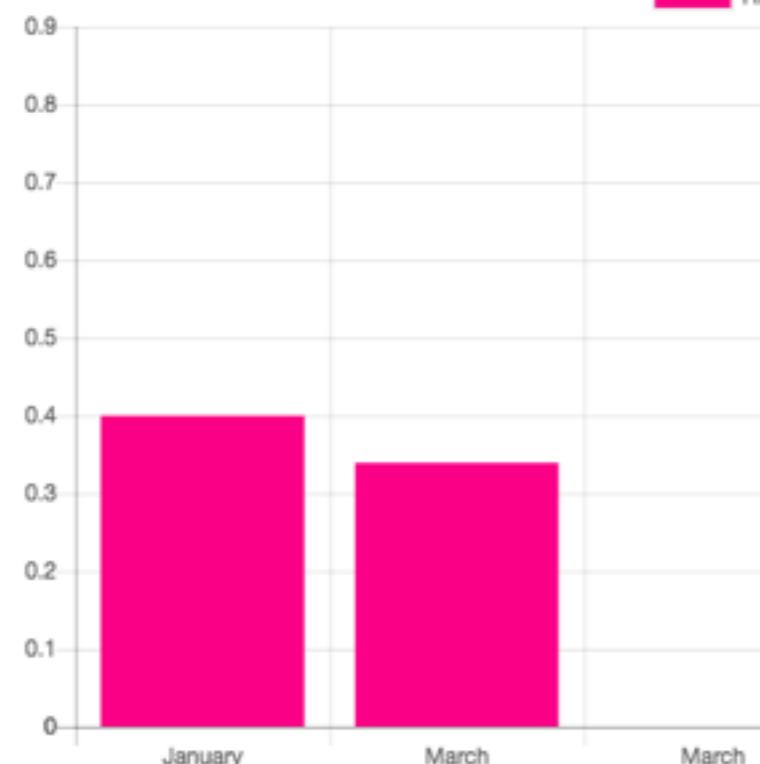
ADD NEW

SCHEMA

DOCUMENTATION

6 Months Sitewide Total Investments

RM Invested (Millions)



“For ECF to flourish, there must be a deep depository of trust and transparency that is frictionless & inclusive. Neuoware’s tech enables us to provide all that and more!”

sort by

Most Recent

search investments

f2583c4bbbc1d7f70fe776ef8de24e3e9131884de2be5ed3365fe72e53fa2177

EDIT

DELETE

SCHEMA

Key

Value

Index: Investment ID [auto]

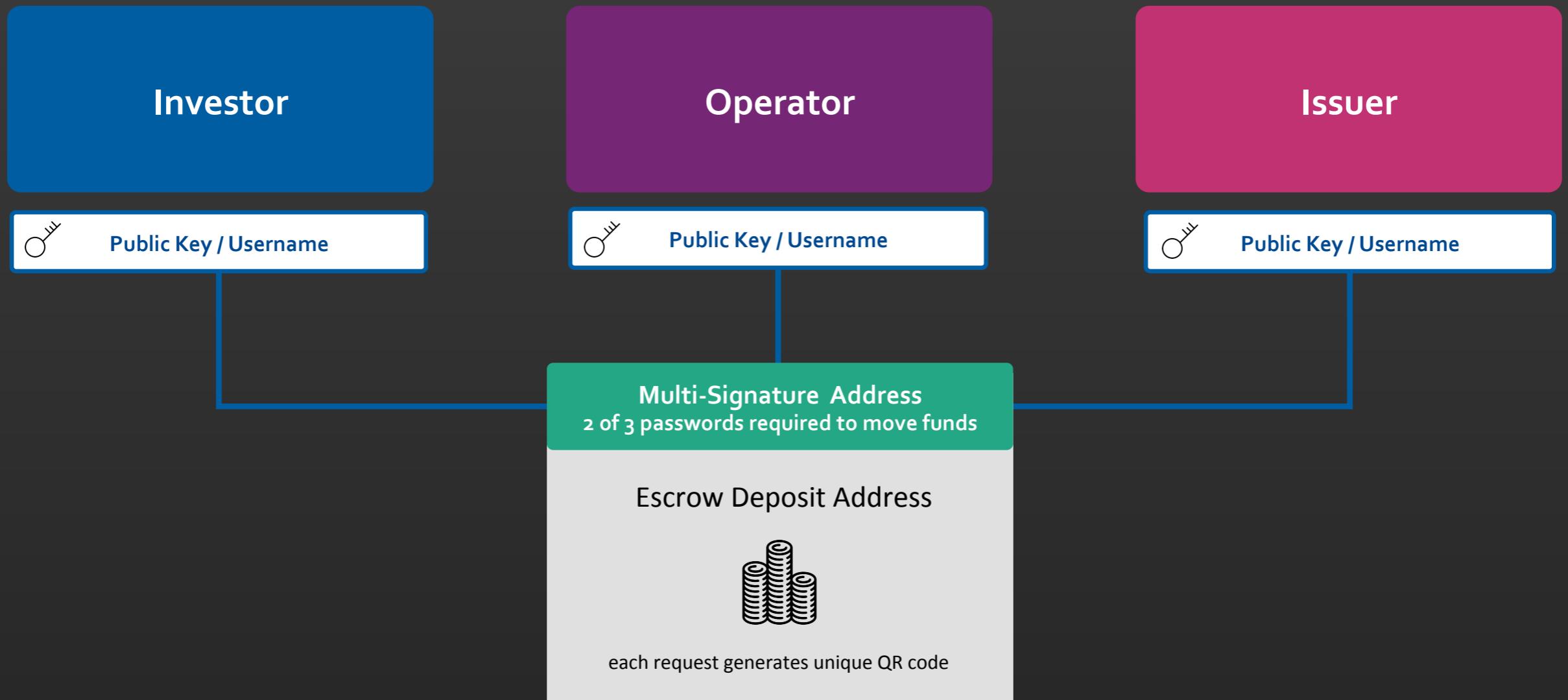
bf28617205e695439c0dd2285a76d7c1

powered by neuoware



Kyri - Co-Founder & Director
of Licensed ECF Platform

SPINAL USE CASE - PROVIDING KEY RECOVERY & ARBITRATION



BREAKING THINGS DOWN INTO THREE **SMALLER** STEPS

● **STEP 1** - Conduct Relevant Training & Workshops



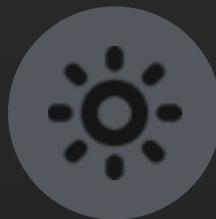
- - Understand Technical & Legal Implications
- - Define Suitable Roadmaps

● **STEP 2** - Design & Develop Prototypes



- - Start small with standalone projects
- - Implement basic foundations for future growth

● **STEP 3** - Integrate Existing Systems



- - Leaving the most time consuming part to last
- - Time to deploy custom digital tokens or new blockchains?

THANK YOU

EMAIL US (founders@neuroware.io) ANY TIME

LEARN MORE ABOUT



neuroware

<http://neuroware.io>