

Singapore Blockchain Conference . 27 July 2018

From Proof of Concept (PoC) to Real Business Cases

GheeHoe CHENG
PERSPECTIV
VENTURES





Content



- Innovation De-centralized
- The Architecture of De : Innovation
- Protocols, Chains and Bridges
- Business with social dimension
- Beyond Fintech
- Cases Sharing (from Proof-of-Concept to real world applications

Trends in Blockchain Innovations



Breaking Barriers ; overcoming geographical, political and financial borders

Changing the face of innovation ; More application of Behavioural Economics

One Data ; One Ecosystem

Inclusive Finance & Social Benefits

Frictionless ? : individuals, organisations, machines & algorithm

The New De-centralised Economy with More Transparent Commerce



Innovation De-Centralised

- 1 Inclusive Network
empowering any
individual to innovate
- 2 Democratized Funding
Network for Distributed
Investments
- 3 Innovation Projects
Open Access
- 4 Open Protocol
Innovation

Architecture of De : Innovation

Permissioned vs Permissionless Innovation

Open Blockchains and EmPowering Protocol

De-centralised Computing, Storage and Payments

Access to a De-centralised World Computer

Infrastructure Inversion

Application Layer

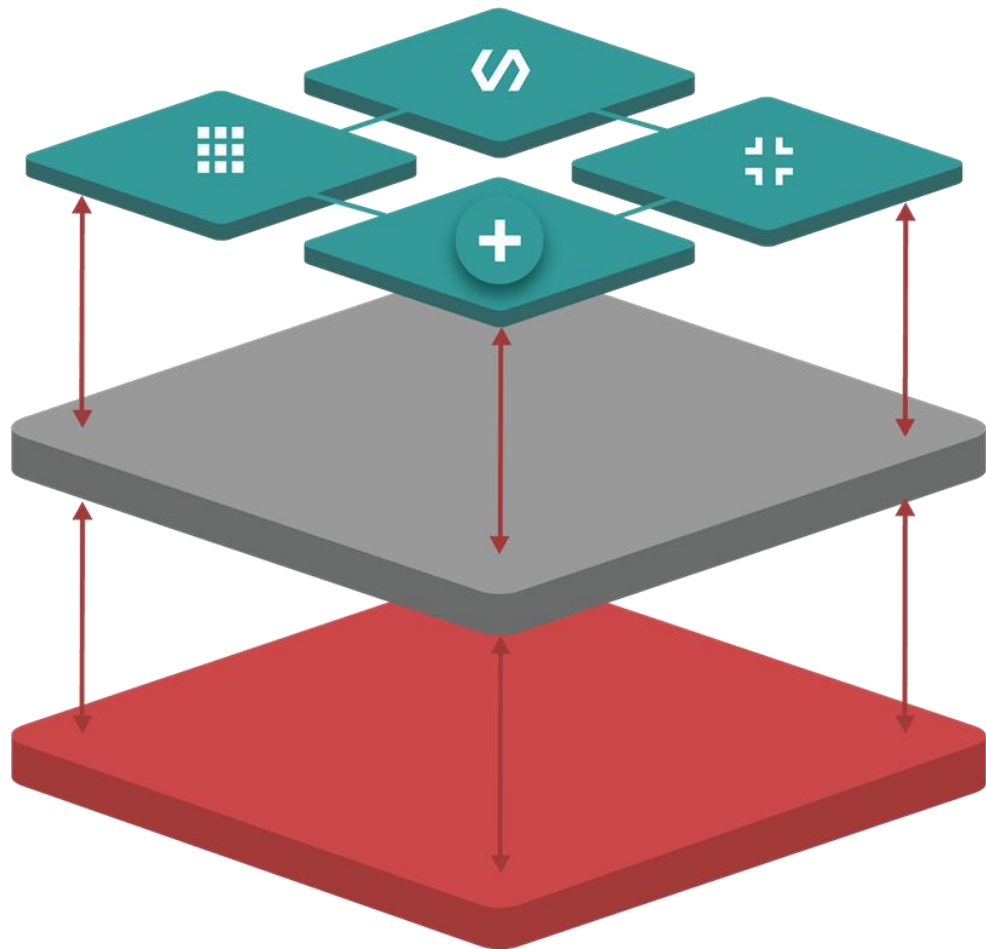
Business Logic | Workflow | Behavior Triggers

Platform Layer

Asset Issuance | Tracking | Data Permissioning

Protocol Layer

Unified Messaging & Storage



Protocols, Chains & Bridges

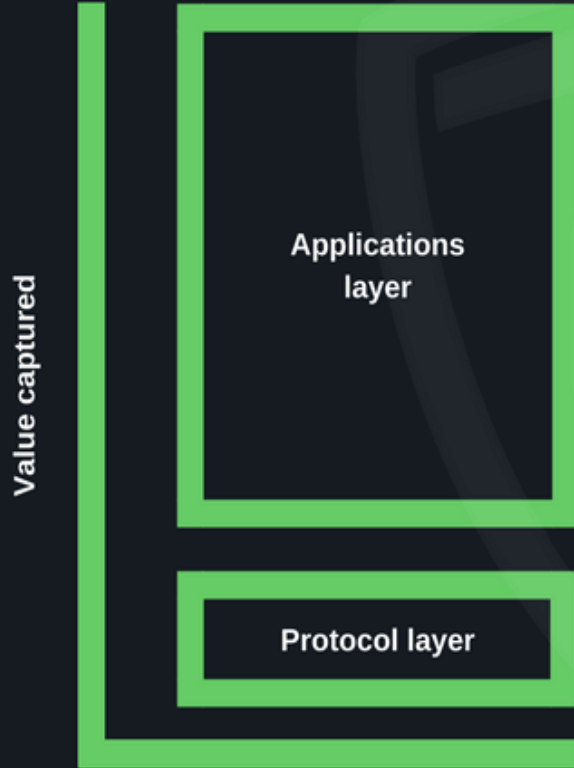
QTUM supports access to trusted off-chain data sources (“oracles”) and Internet of Things (IoT) sensors to allow off-chain events to trigger clauses in smart contracts

ORIGIN PROTOCOL is building an open-source platform that enables the creation of peer-to-peer, decentralized marketplaces.

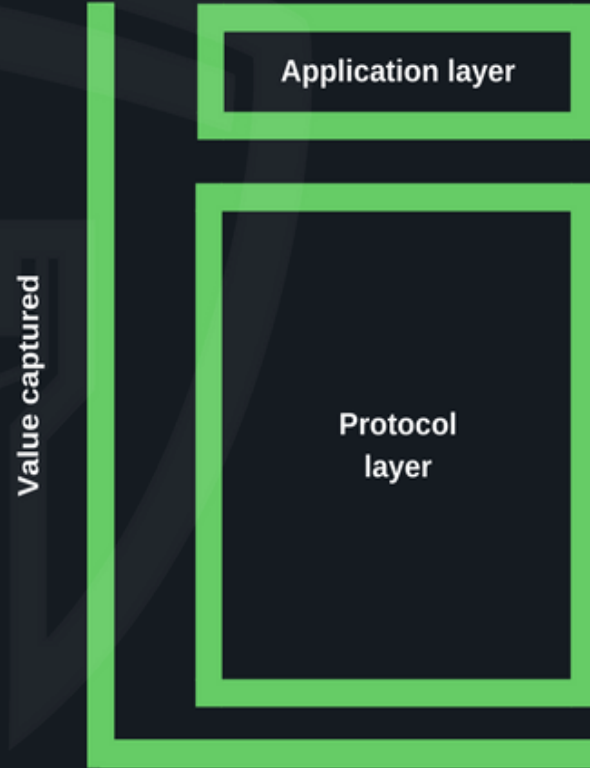
Open-source protocols for user identity, reputation, listings, dispute management, and more allow buyers and sellers to meet, communicate, and transact on the blockchain

OCEAN PROTOCOL is a decentralized data exchange protocol that lets people share and monetize data

The Web

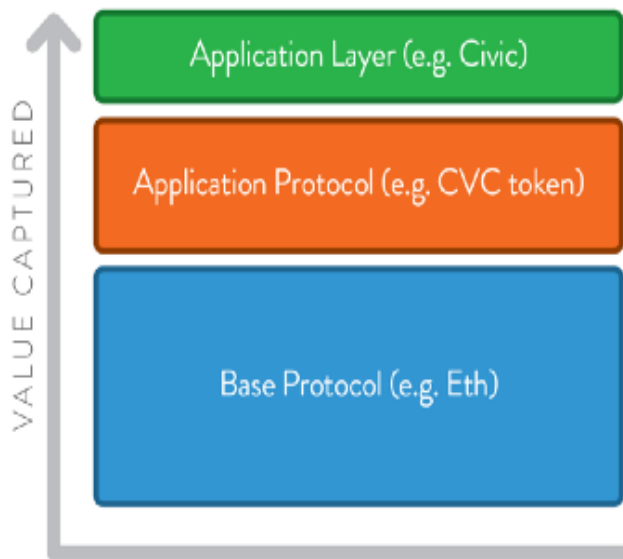


Blockchain

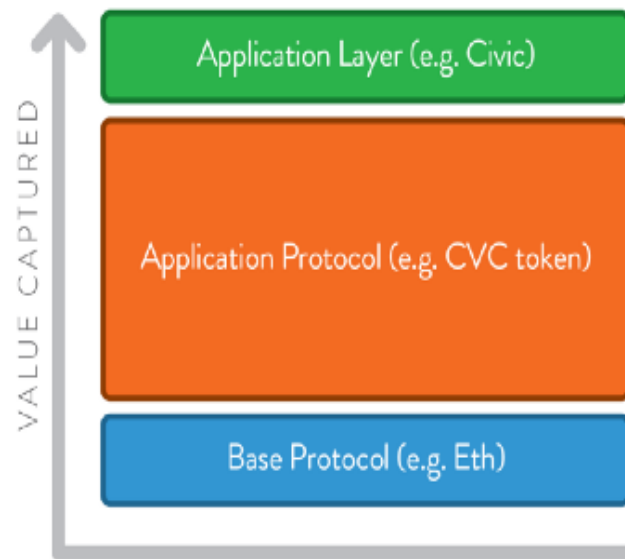


Value stack of a DApp Vertical (e.g. identity verification)

Fat Base Protocol thesis

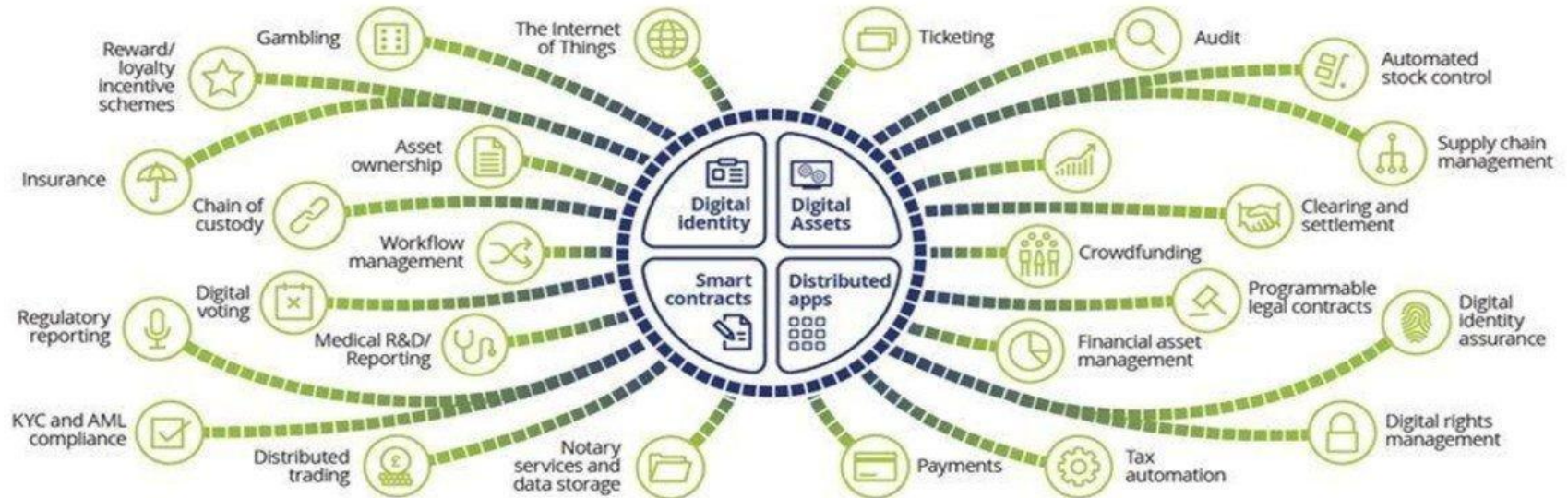


Application Protocol Value Trap thesis



from *Proof of Concept* to real business case cases

What can you do with a blockchain?



Cases



HEALTHCARE

SUPPLY CHAIN

ENERGY MARKETS

EDUCATION AND LEARNING

SMART CITIES & DIGITAL GOVT



BLOCKCHAIN IN HEALTHCARE



SingHealth

Healthcare Data Breach





Healthureum

Your Data. Your Doctor. Your Way.

Blockchain + Healthcare
combined seamlessly

Welcome to the next century
of healthcare on the
blockchain.

www.healthureum.io

Major Challenges faced by Healthureum and how they are addressed

Foreseen challenges faced by Healthureum?

- .Data and Regulatory Compliance
- .File Size & Scalability
- .Blockchain-Enabled Medical Devices



Healthureum



Issues to be addressed by Healthureum

- .Authenticity of healthcare providers
- .Fraud in counterfeit drugs
- .Data management
- .Effective share of data
- .Population health management
- .Access to affordable medical care



Healthcare. Borderless. Well.



We believe in the utility of WELL token and will work with various members of the network to utilize the use of the token.

[ABOUT](#)[ROADMAP](#)[BLOG](#)[TEAM](#)[PRESS](#)[CLINICIANS](#)[FAQ](#)[En](#) [Sign In](#)

Key Advantages:



WELL network's frictionless transactions encourages engagement and growth



Working product and fast-growing network of patients and doctors



Ability for crypto investors to diversify their holdings to include a token that can be used to benefit not only their own health, but the health of their loved ones



Global reach and the multilingual capabilities of the platform



Free distribution of the platform and strong social mission which empowers nonprofits



Limited issuance of WELL tokens

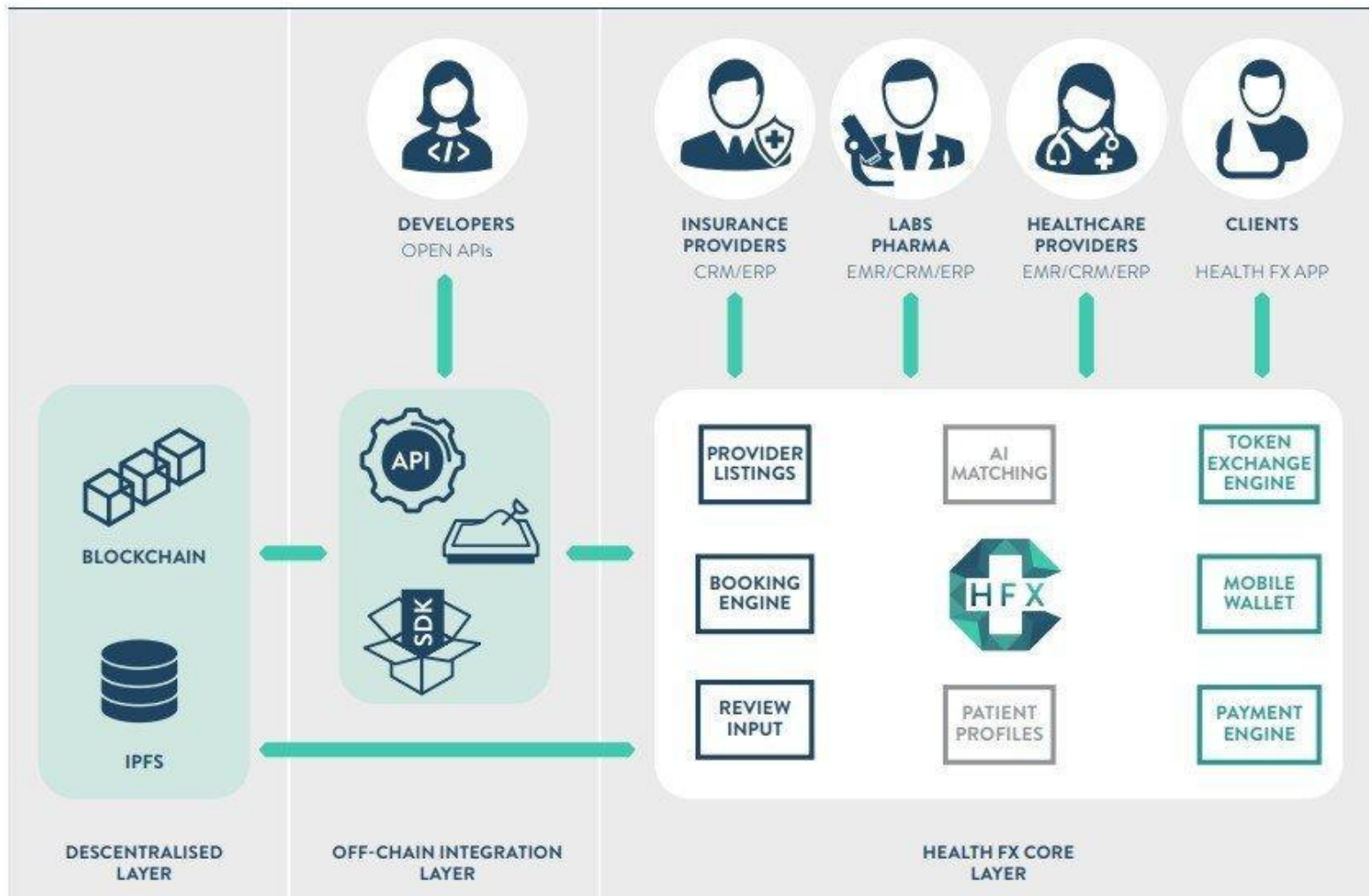


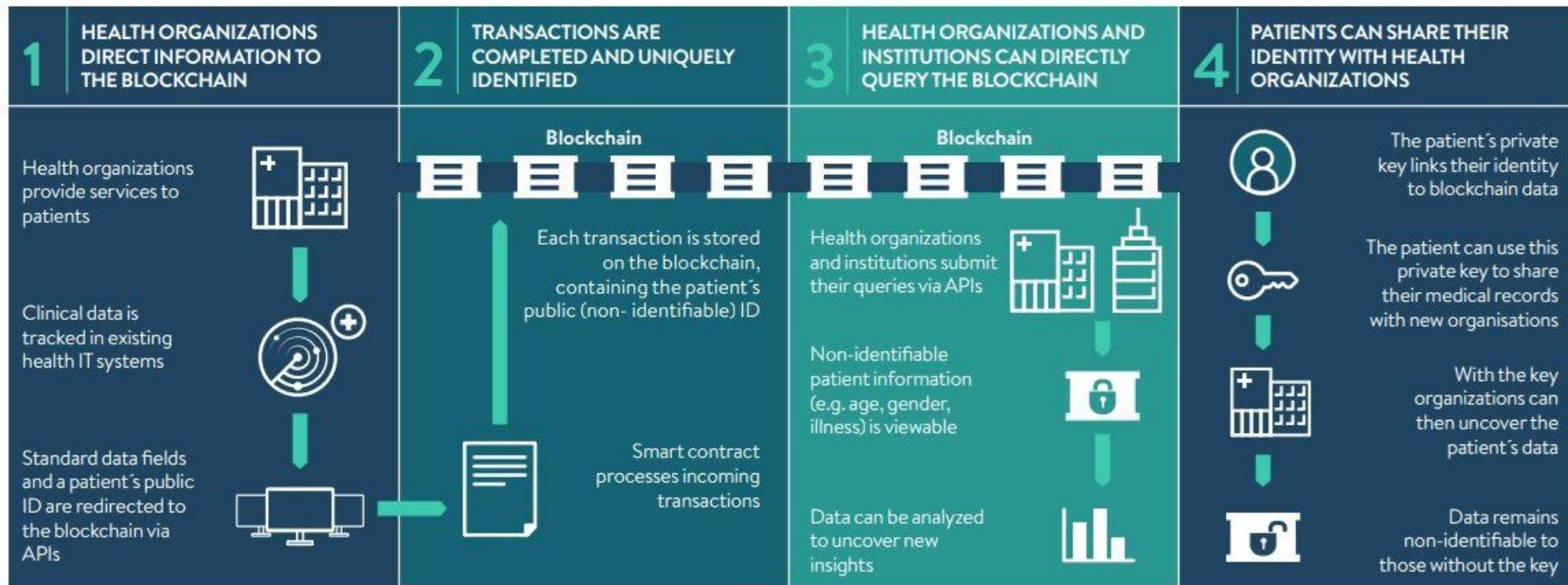
Wide variety of token usage within the system which creates a high-demand for tokens



Possibility of partnerships with government institutions and other profitable business models







A Layered View of Blockchain, Smart Contracts, Cryptocurrencies, Artificial Intelligence, and Machine Learning in Healthcare

Layer 4

Artificial Intelligence and Machine Learning Enable Major New Insights, Value

Layer 3

Cryptocurrencies and Tokens Enable New Commerce and Incentive Systems

Layer 2

Smart Contracts Increasingly Automate Transactions, Improving Efficiency

Layer 1

Blockchain Enables Secure Sharing of Healthcare Data Across B2B Networks

Layer 0

Healthcare Data Mostly in Silos, Little Sharing, Massive Untapped Potential



Blockchain in Energy



ELECTRIFY.ASIA

ELECTRIFY ASIA

Be the power

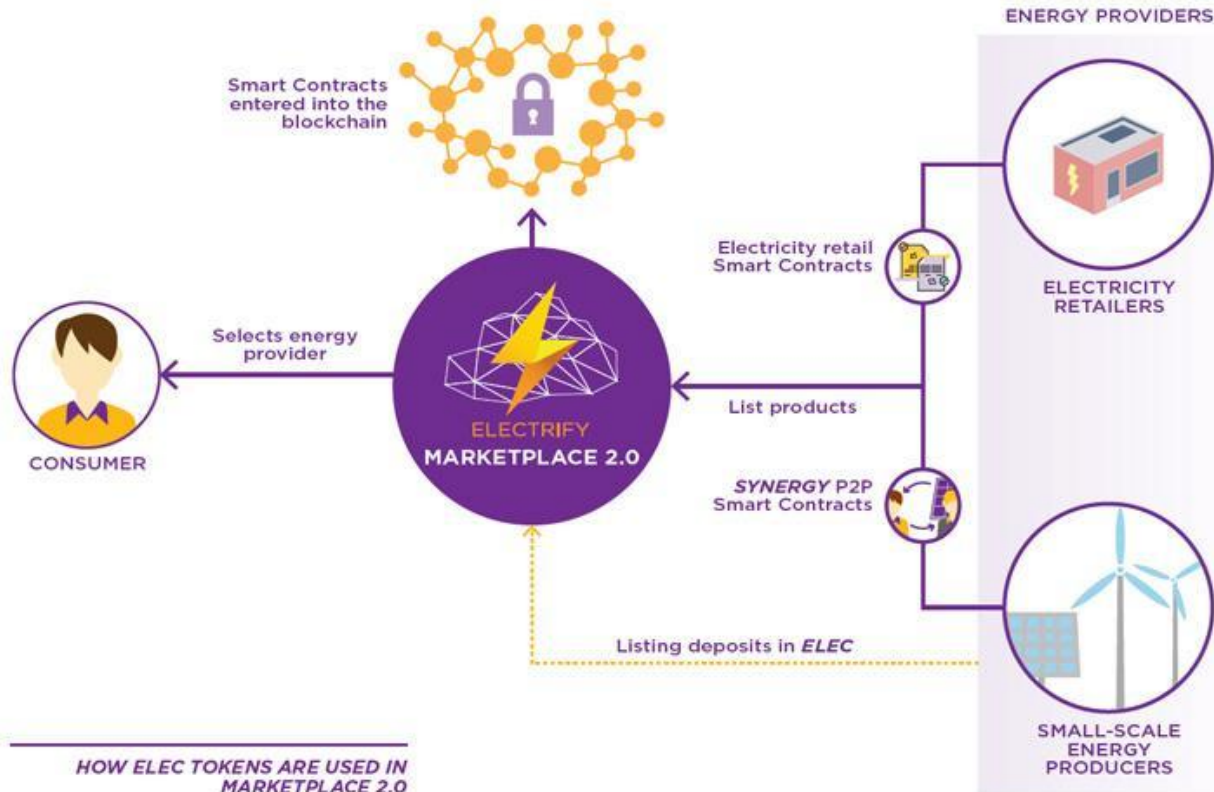
NO MIDDLEMAN FEES



REDUCED
TRANSACTION COST



AUTOMATIC
EXECUTION



HOW *ELEC* TOKENS ARE USED IN
MARKETPLACE 2.0





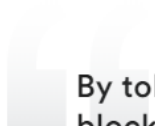
we power

**WePower is a blockchain-based
green energy trading platform**



**It enables to finance green energy projects,
to invest into and trade green energy**

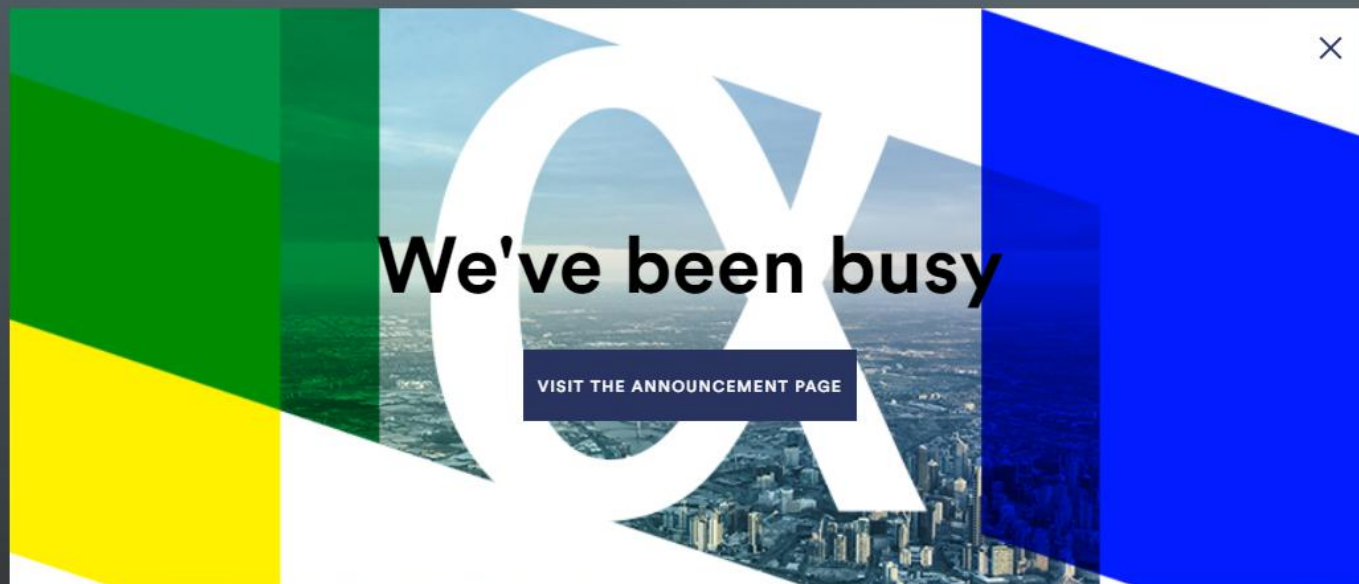




By tokenizing renewable energy and putting it onto a blockchain, WePower is making that power tradable and accessible to anyone. And it's giving people more control. In effect, people taking contracts on WePower become their own energy traders, substituting for the role utilities play in buying and selling power on our behalf.

FAST COMPANY

Project geography



BLOCKCHAIN SUPPLY CHAIN





BLOCKCHAIN IN SUPPLY CHAIN

From shore to plate: Tracking tuna on the blockchain


Provenance pilot blockchain technology for tracing yellowfin and skipjack tuna fish in Indonesia from catch to consumer.

[Read the report](#)

Published 15 July 2016

Working with



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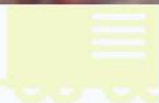
TRXX Network

TRXX Network

World First Supply Chain Protocol for the Decentralised Web

TRXX Network is a purpose-built supply chain protocol for a trustless and autonomous environment in the decentralised web, providing interoperable and cross-chain logistics control tower and analytics service.

SIGN UP NOW



Blockchain



in the education sector



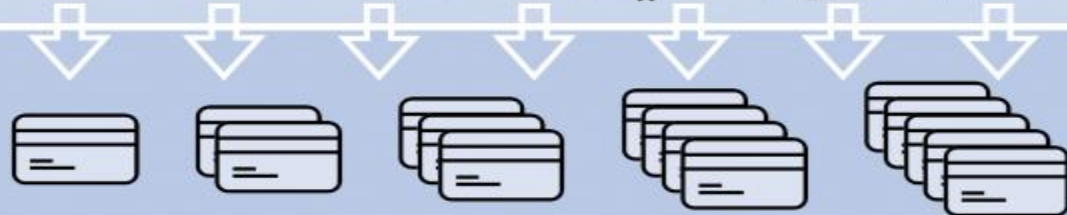
Educational Journey



Educational Milestones



Education Credentials Blockchain



Over time, students reach educational milestones from courses, readings, certifications, case logs, clinical encounters, etc. and each milestone adds a new block to their digital credential on an education blockchain.

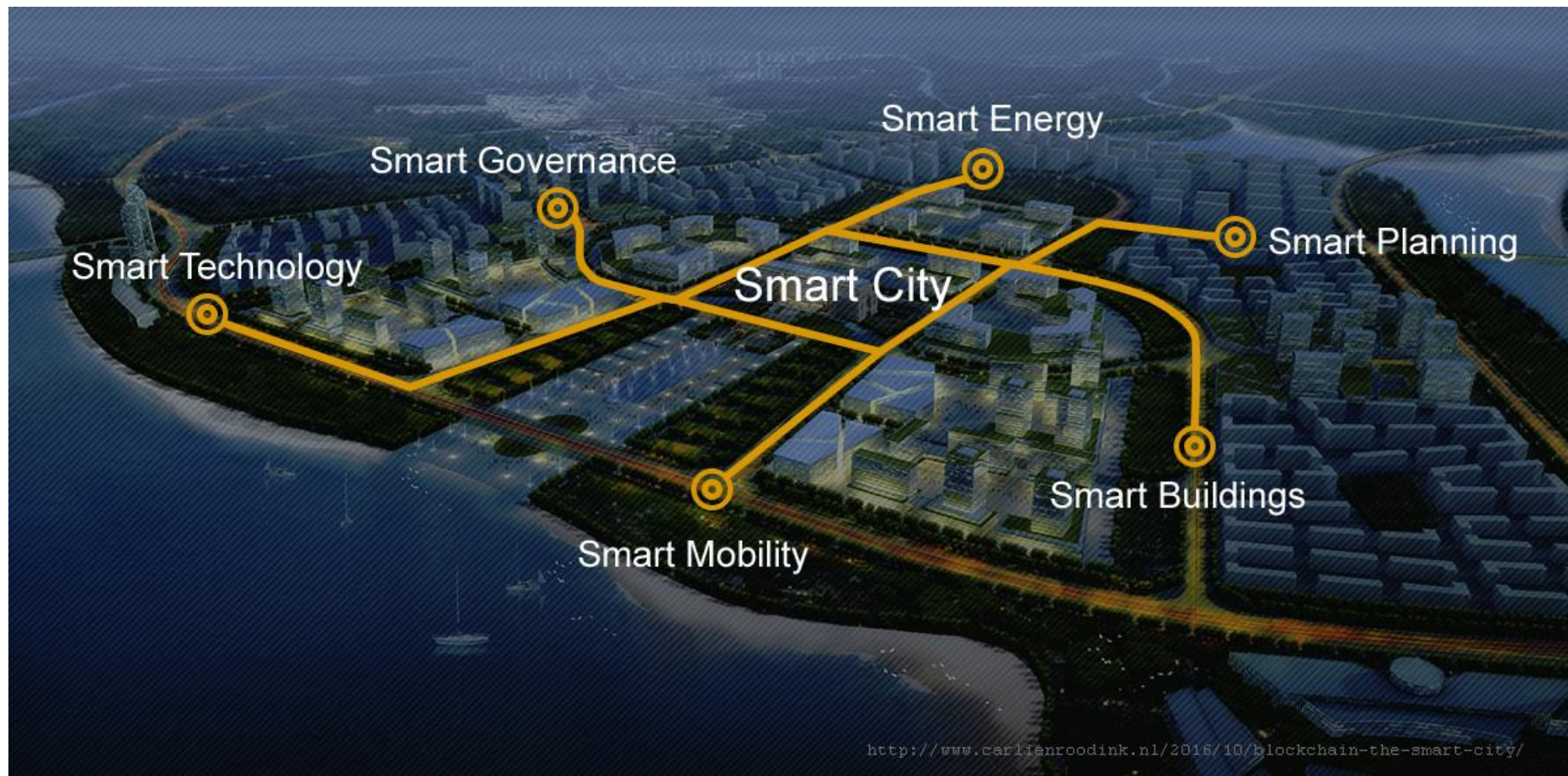




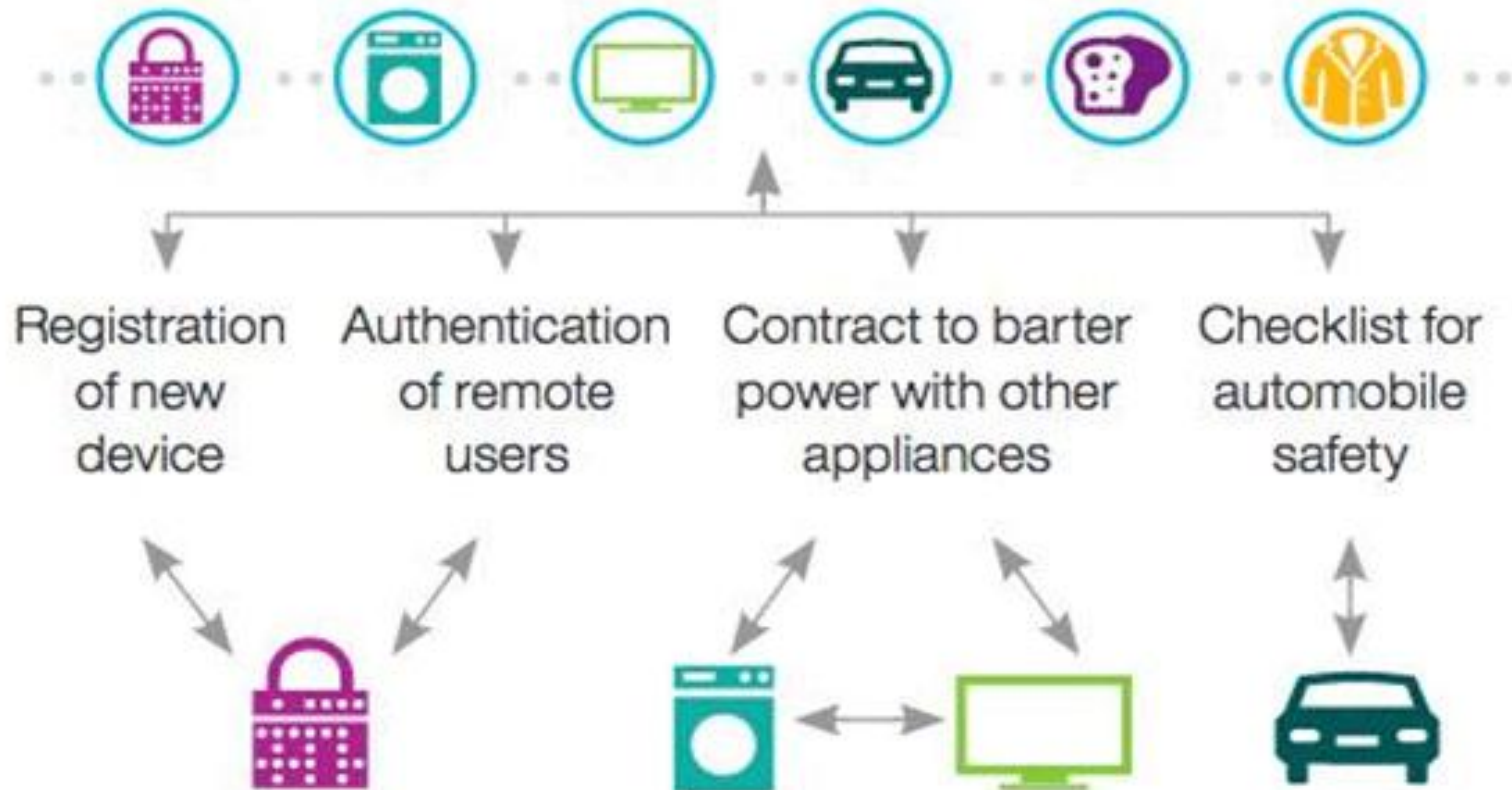
Get a headstart with
SKILLSFUTURE
EARN AND LEARN

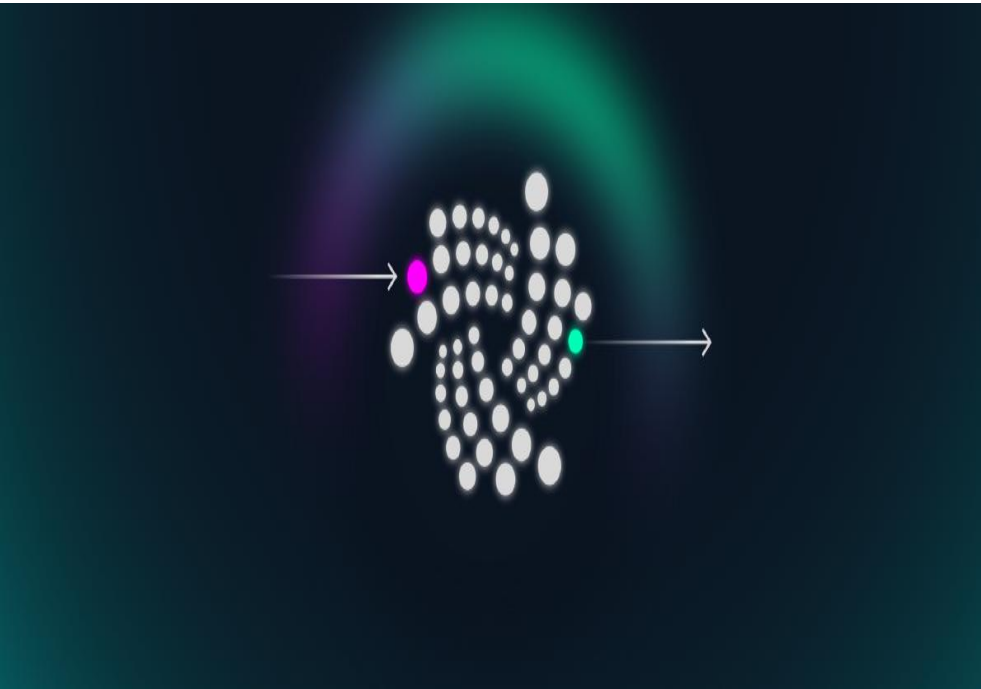
Blockchain & Smart cities





Universal digital ledger





Fast-Forward in “E-stonia”

THE ESTONIAN GOVERNMENT has been investing aggressively in the country’s digital infrastructure. Here are four ways it’s ahead of the curve.



THE
FUTURE OF



DIGITAL
SOCIETIES

E-RESIDENCY

Since 2014 the country has offered electronic residency cards for foreigners living elsewhere that allow people to run their companies out of Estonia no matter where they live and sign documents digitally just as the Estonians do.

DIGITAL DIPLOMACY

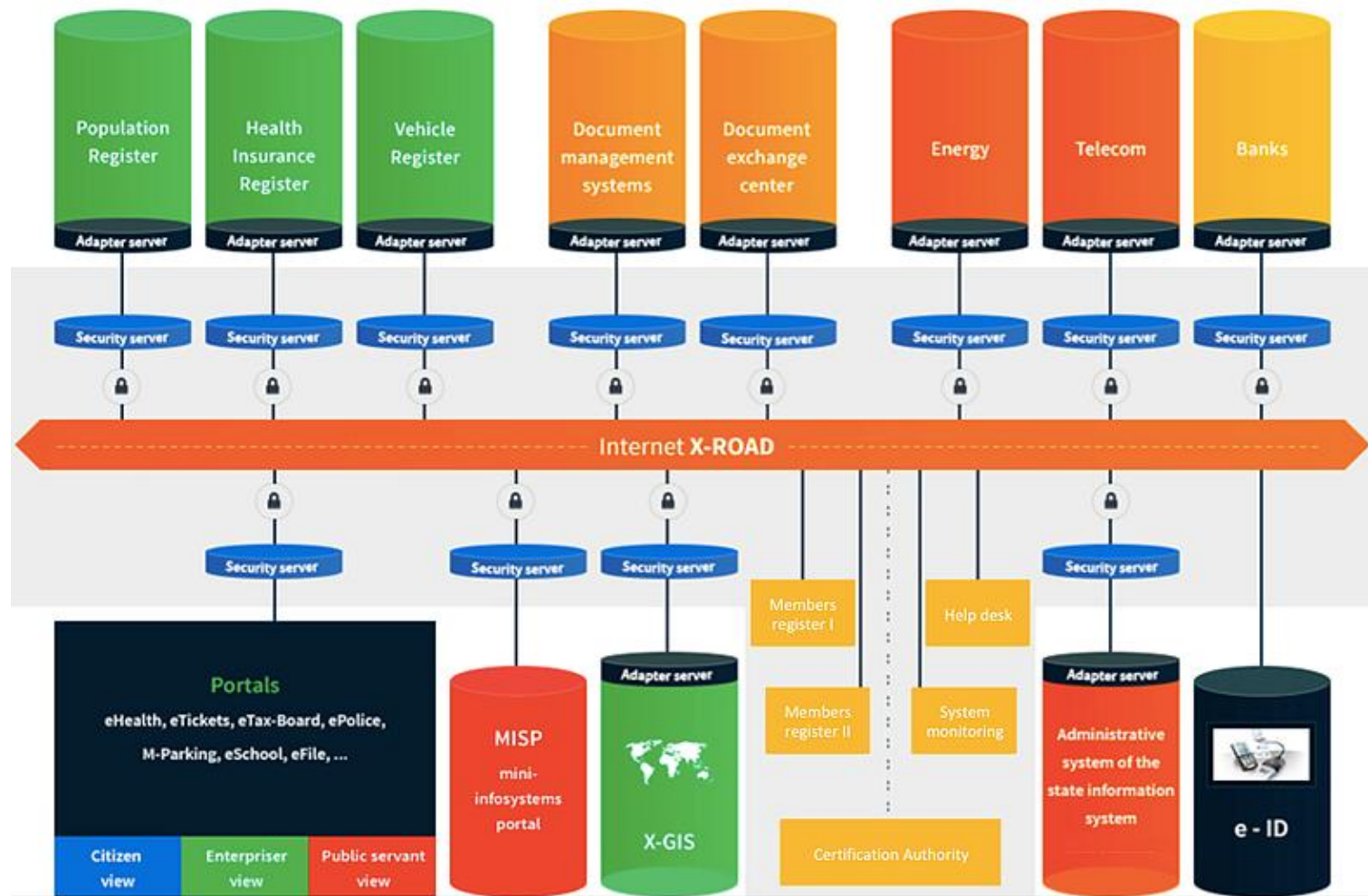
This year Estonia will open the world’s first “data embassy” in Luxembourg, with a data-storage facility for backing up its citizens’ information, and with the same sovereign status as a physical embassy.

WICKED FAST WI-FI

Starting in 2018, Estonia plans to become one of the first countries with 5G network capability, vastly boosting connectivity for devices like driverless cars and robots.

BLOCKCHAIN BUILD-OUT

Estonia is employing the digital ledger system in novel ways. For example, it’s harnessing its genome bank to develop “precision medicine” with personalized drugs and treatments, using the blockchain to ensure the data is traceable.



ESTONIA 100% Data on the Blockchain

A nighttime photograph of the Singapore skyline, featuring several illuminated skyscrapers and their reflection in the water. The sky is dark blue with some clouds.

SMART NATION BUT WILL WE BE SECURE?

Commentary on Singapore's
Cybersecurity Strategy

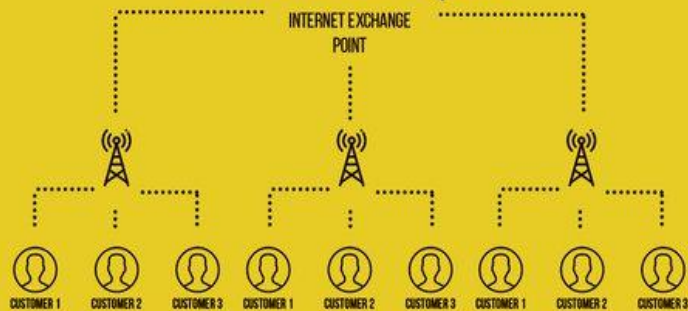


The Platform Revolution Is Here

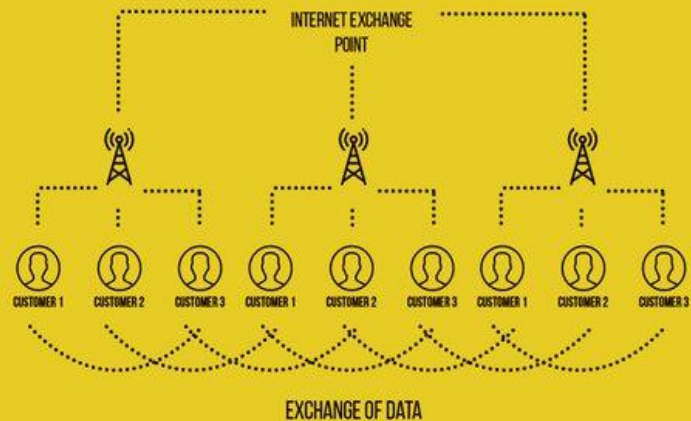
Dove Network is building a platform that will allow everyone and everything to connect all in one place!



STATUS QUO

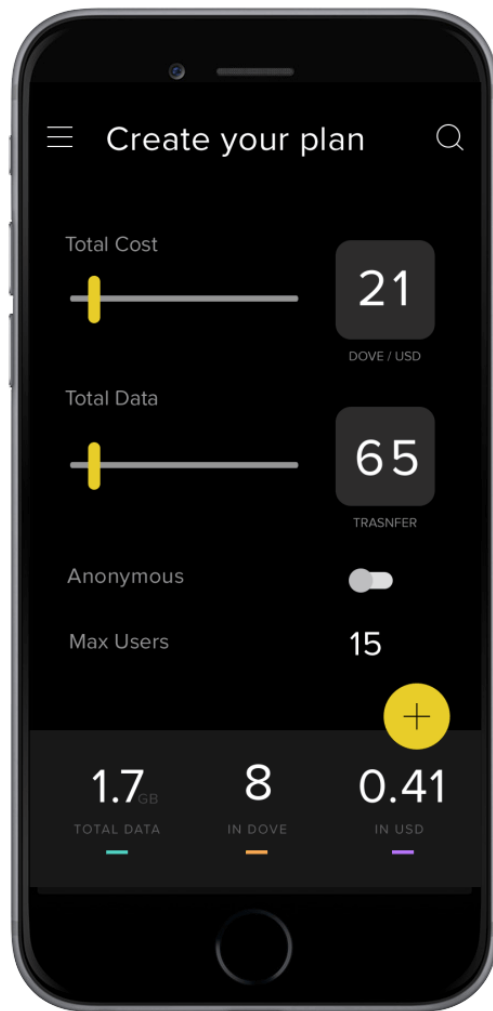


DOVE



dove.network
hello@dove.network







Transforming commercial real estate businesses with blockchain.

realestatedoc.io





BLOCKCHAIN FOR EVERYTHING ELSE ?



Thank you



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Twitter : @gheehoe
Linkedin : linkedin.com/in/ChengGH

