

BLOCKCHAINS

EXECUTIVE SUMMARY - 2017

presented by



neuroware

INTRODUCING THE NEUROWARE FOUNDER



ONLY MSC BLOCKCHAIN COMPANY



SUPPORTED BY MDEC & MOF

Mark Smalley - CEO

Living in Malaysia for the past 20 Years

Building FinTech Applications for 15 Years

Spent 10 Years Building Tech Communities

Building Blockchain Apps for 5 Years

Ruben Tan - CTO

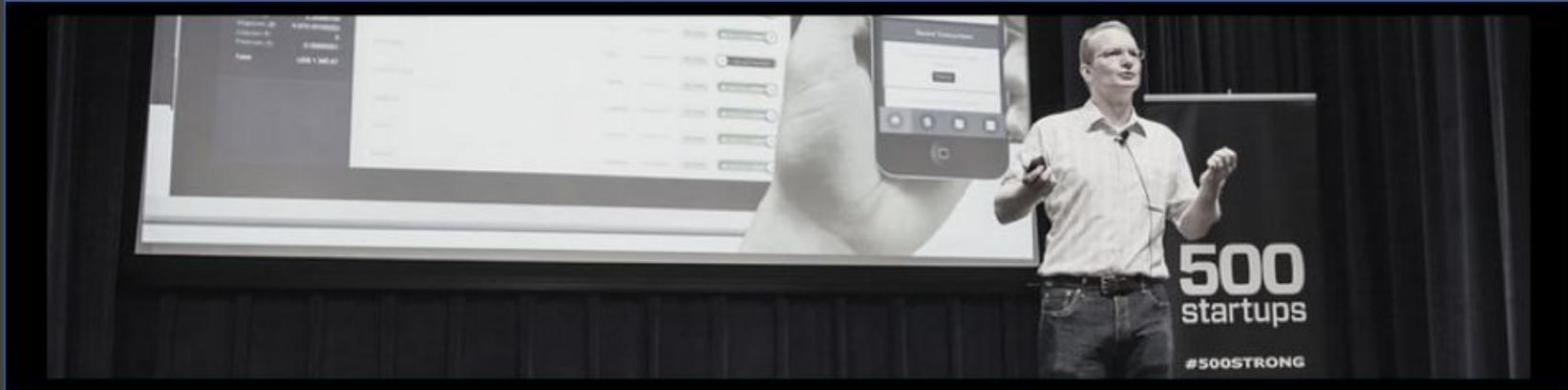
Building Web Applications for 10 Years

Active Community Evangelist & Presenter

Early Developer at MyTeksi and OnApp

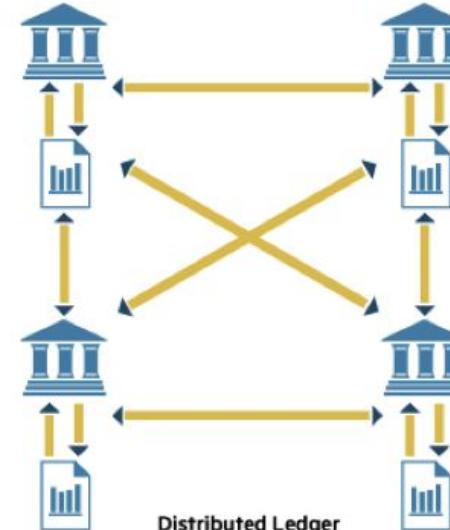
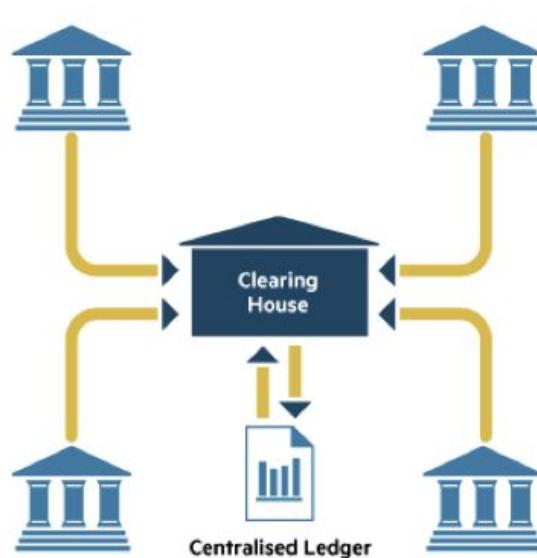
Studying Distributed Consensus for 5 Years

EXPERIENCED INNOVATORS IN AN EARLY ECOSYSTEM



- **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

SANTANDER BANK - FIRST TO ADMIT US\$20B ANNUAL SAVINGS



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

BITCOIN

(the first application / popular digital asset)

Vs

BLOCKCHAINS

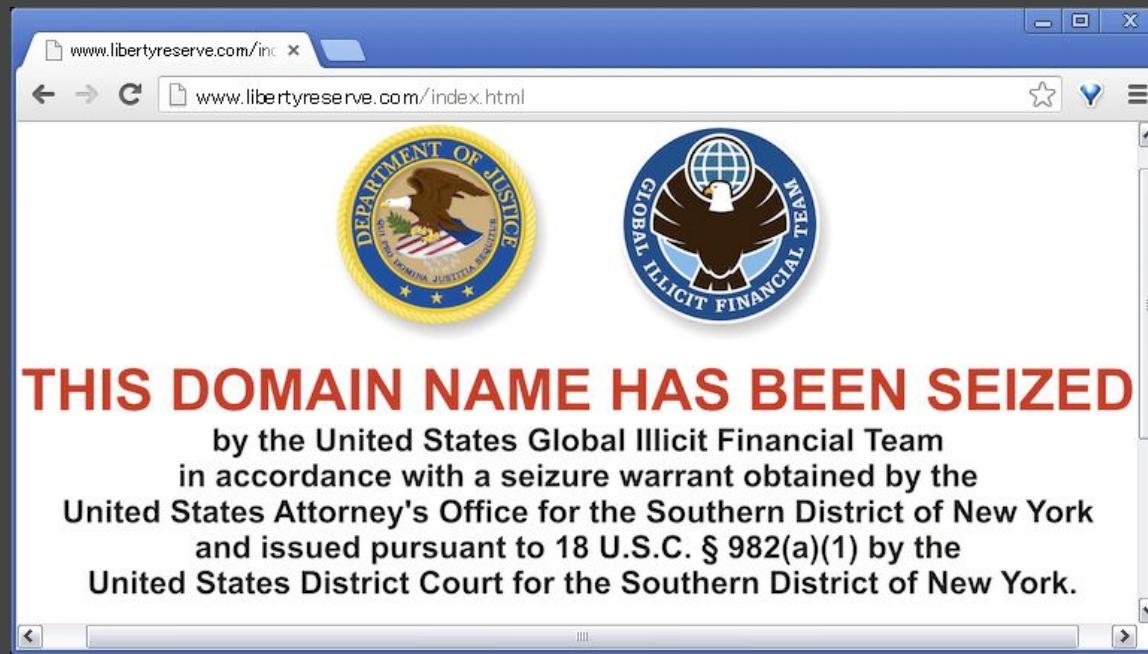
(underlying tech / shared public ledger)



CONSENSUS - WHAT MAKES PROOF OF WORK SO SPECIAL ...?



BITCOIN NOT FIRST DIGITAL CURRENCY - 1st DISTRIBUTED ONE



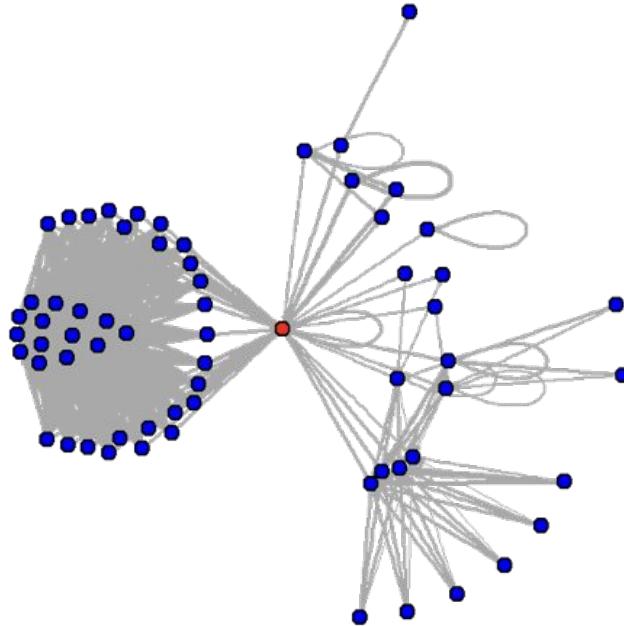
- FLOOZ - Shut down by FED in 2001
- LIBERTY RESERVE - Shut down by FED in 2013

TRUST IS SOLVED VIA TRANSPARENCY - IT'S OPEN TO ALL

```
{  
  "address": "DEHfgFYKL97gFFoYHM7UejXBGKjLFzD4za",  
  "total_received": 1000000000,  
  "total_sent": 800000000,  
  "balance": 200000000,  
  "unconfirmed_balance": 0,  
  "final_balance": 200000000,  
  "n_tx": 4,  
  "unconfirmed_n_tx": 0,  
  "final_n_tx": 4,  
  "txs": [  
    {  
      "block_hash": "e9a38d8fa6b7abcla35a2fad93bfa52e3eb9b1ca5cb2825692db0a3c2f054354",  
      "block_height": 1213596,  
      "block_index": 35,  
      "hash": "3ebaecf042e0dbe20a35c0dd2700c83b13a5a1764e1882c2cc39e4bd81c326cf",  
      "addresses": [  
        "DEHfgFYKL97gFFoYHM7UejXBGKjLFzD4za",  
        "DJHXpkQGcRydRvocWaeUtZir6c2pXHkUn4"  
      ],  
      "total": 400000000,  
      "fees": 100000000,  
      "size": 225,  
      "preference": "high",  
      "relayed_by": "",  
      "confirmed": "2016-05-16T14:13:56Z",  
      "received": "2016-05-16T14:13:56Z",  
      "ver": 1,  
      "lock_time": 0,  
      "script": "OP_DUP OP_HASH160 DEHfgFYKL97gFFoYHM7UejXBGKjLFzD4za OP_EQUALVERIFY OP_RETURN"  
    }  
  ]  
}
```

EVERYONE HAS A RECORD OF **EVERYTHING** - SO BE CAREFUL

BTC transaction network for
1NfRMkhm5vjizzqkp2Qb28N7geRQCa4XqC



WHAT ARE THE BENEFITS OF PUBLIC BLOCKCHAINS?

- They provide an immutable tamper-proof audit-trail of the truth
- Data can be easily shared and independently verified by third-parties
- Vastly increased security that is much less vulnerable to attack or outage
- Programmable contracts that can radically reduce costs and errors



“While Fintech Disrupts Banks,
the Blockchains Disrupt Fintech”

THIS GIVES BITCOIN THE CURRENCY SOME UNIQUE PROPERTIES

Traits of Good Money	Gold	\$\$\$	Private DLTs	Bitcoin
Durability		fragile		
Portability	heavy			
Divisibility	difficult	limited		
Uniformity	if processed		censored	
Limited Supply	theoretically	printed at will	central mint	
Sunnah Money	Commodities	\$\$\$		Bitcoin
Intrinsic Value		representation	none	
Inflation Proof	unknown	debt based	no	
Acceptability	limited		unknown	growing daily
Decentralized		man made	unregulated	

INTERESTING BITCOIN BLOCKCHAIN FACTS TO REMEMBER

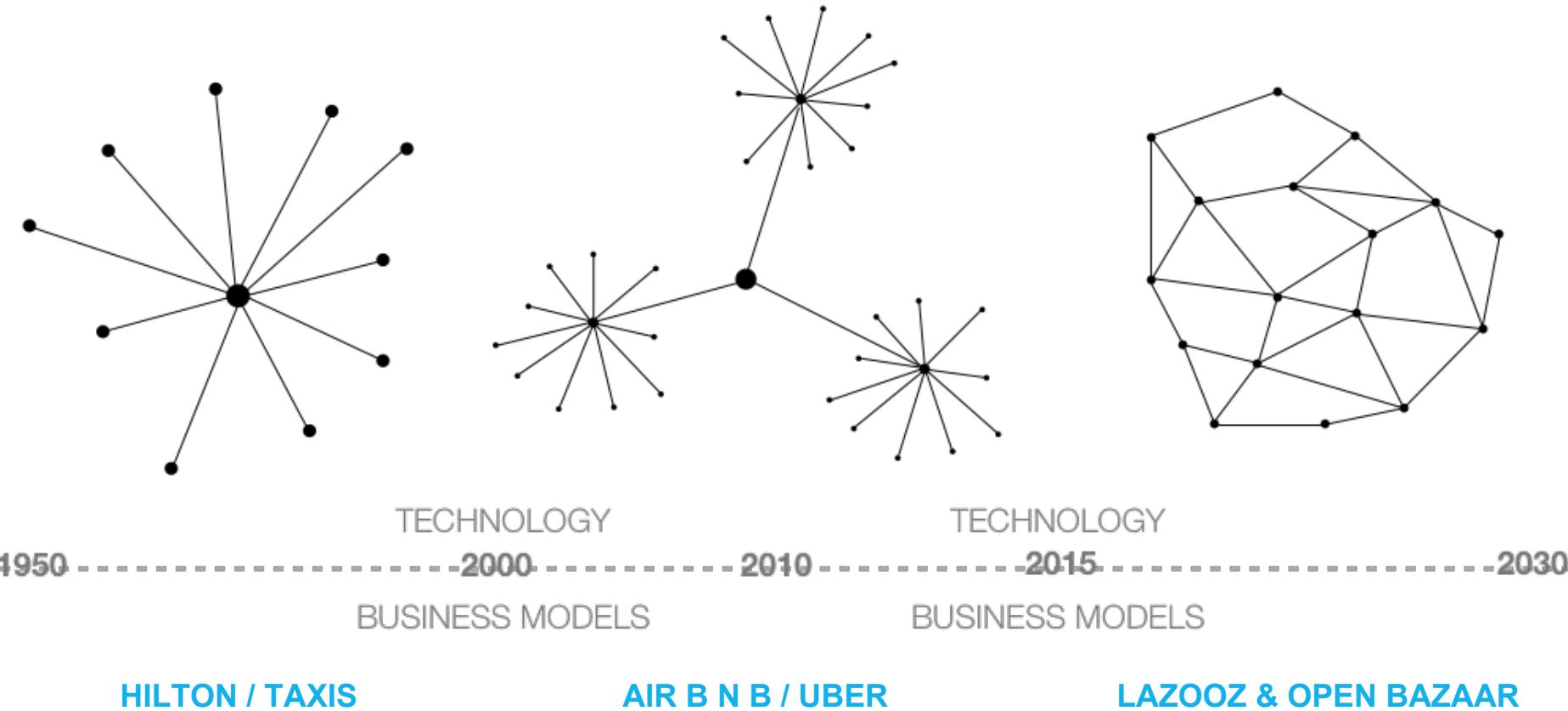
- Bitcoin blockchain released in January 2009 by Satoshi Nakamoto
- US\$13 per coin in 2013 (when we bought) - now US\$2,300+ per coin
- The network is currently processing over 230,000+ daily transactions
- Contributes to over US\$3+ billion of daily global crypto-transactions
- The network's market capitalization is currently over **US\$47+ billion**
- 21 million finite supply, with 16 million coins discovered so far
- Supply is decreasingly dispersed every 10 minutes
- Final coins released on May the 7th, 2140
- **But most important of all is the technology...**

BITCOIN AND BLOCKCHAINS HAVE NO NEW TECHNOLOGY



- HASH - Theorized in the 1800s - Coined by IBM in the 1950s
- ECDSA - Digital Signatures using Elliptic Curve Cryptography
- P2P - Peer to peer protocol popularized by Napster in 1999

THE EVOLUTION OF EVERYTHING



ON THE BLOCKCHAINS EVERY ACCOUNT IS A SET OF KEYS



AND EACH “ADDRESS” REQUIRES A PRIVATE KEY TO ACCESS IT



SOME ADDRESSES EVEN REQUIRE MULTIPLE KEYS



KEY PAIRS - ULTIMATELY USED TO SIGN TXs & MESSAGES



ONE PUBLIC KEY



MULTIPLY PRIVATE KEYS

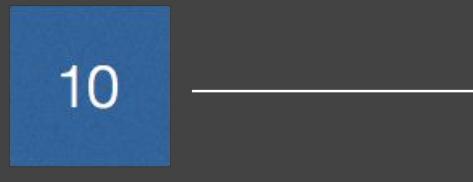
- Example of a Bitcoin public address (derived from the public key):
`1GzBZ7eK6wzNjp1Wt6AxHo73kJL2tzoErq`
- Example of a Bitcoin private key (used to transfer funds from address):
`L1winVkoRmxMdHKbwssx33Z9ZEuXeJ1eP9CVYvnNn4TdYA32GsWY`
- Example of a Bitcoin extended private key (used by HD protocol):
`xprv9s21ZrQH143K2Ywhg9bhZ5nd31t3EbXsg8v28gkKjSm9PA3PiZ89dWW6YKxWZa2pgTuErQ65K46KGVu1xCRBCK3Ppd465QGtH7TmxAEiLv`

WHAT'S IN A BITCOIN TRANSACTION?

- Multiple unspent inputs are used in order to form the total value sent
- Cannot send proportions of inputs, must use all and send the change back
- Because a single transaction can send multiple values to multiple outputs
- Fees are based upon the total size (inputs and outputs) rather than value
- Paying these fees is done by forgetting to send some value to someone
- Transaction scripts can contain complex variables (multi-sig & timed locks)
- However, they can only contain one OP_Return (38 bytes of arbitrary data)

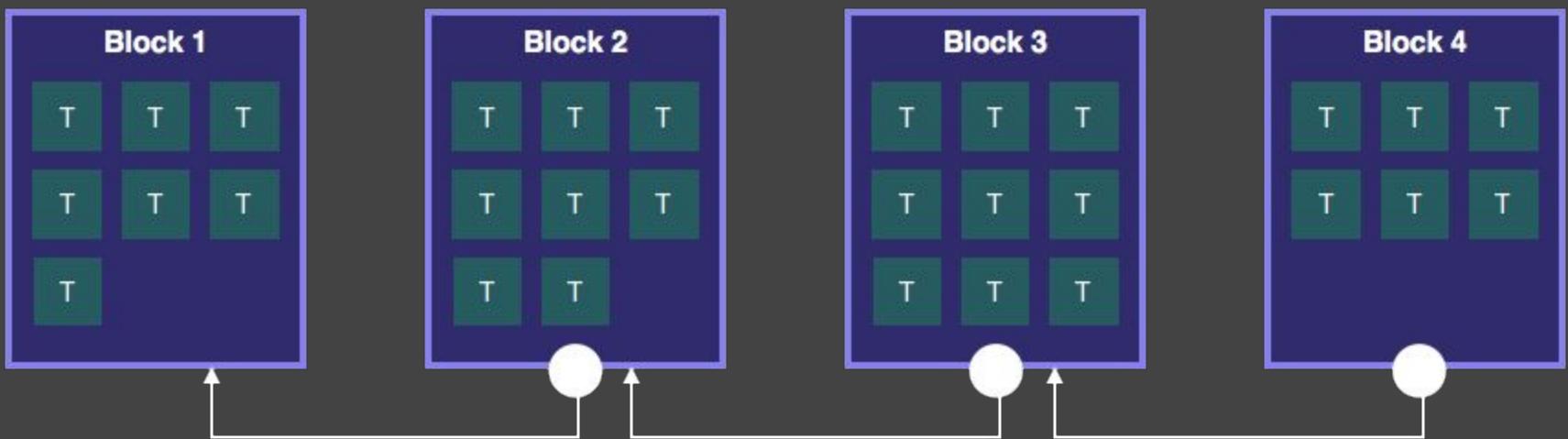
ALICE CAN'T SEND WHAT SHE DOESN'T HAVE AND BOB WANTS 5

ALICE'S UNSPENT INPUTS



BUT WHERE DO THE TRANSACTIONS GO ...?

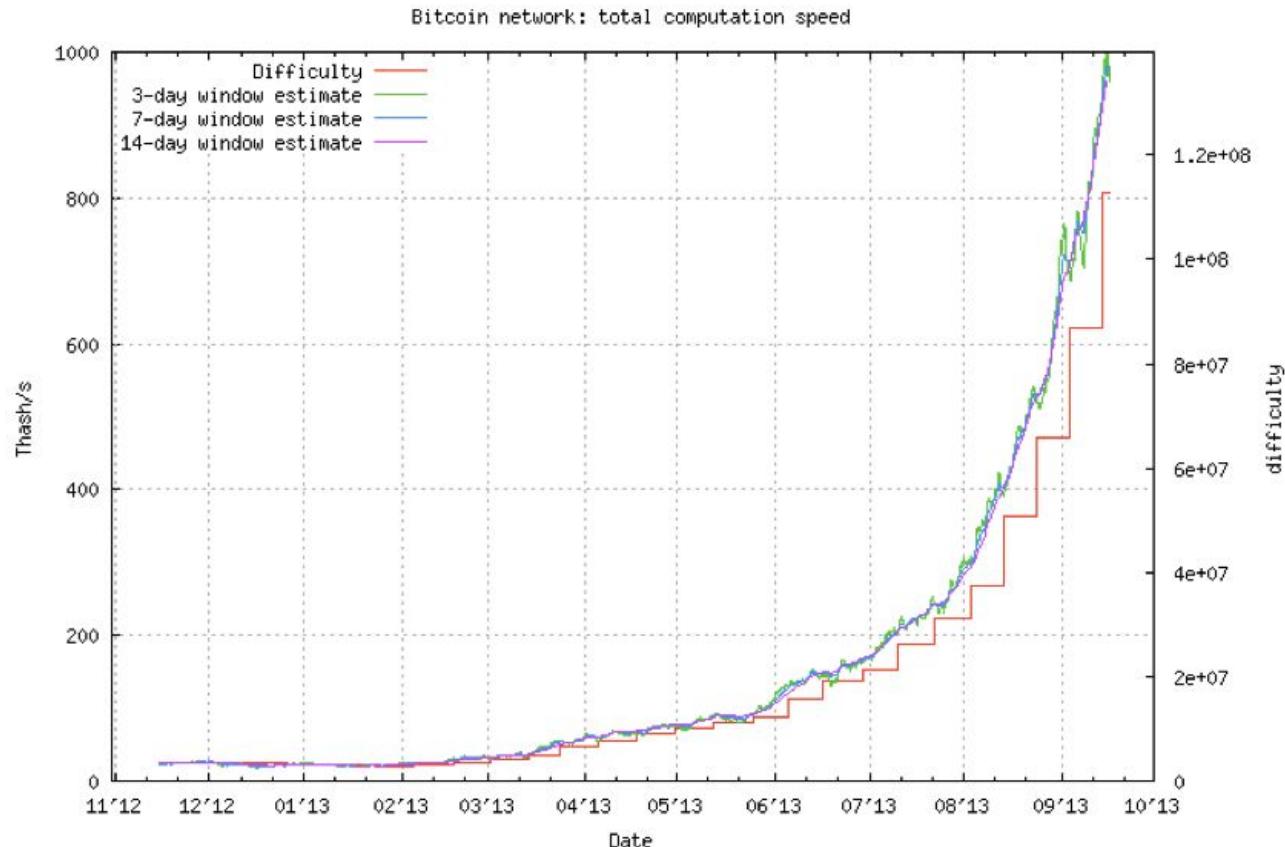
- Transactions are batched into blocks every ten minutes (with Bitcoin)
- The block is added to the chain with a link to the previous block
- With the block added to the chain, its transactions are then **confirmed**



MINING FOR NUMBERS - NOT GOLD

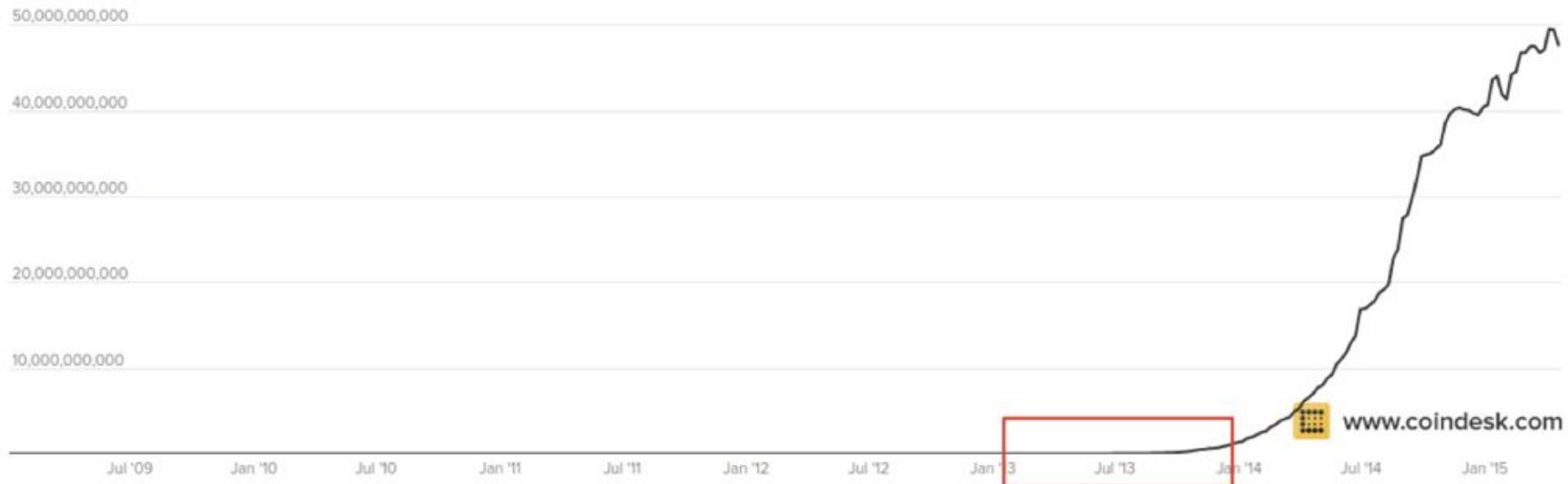
- To reach consensus as to which node has the right to add the next block to the chain, miners compete in a race to solve cryptographic equations
- Miners gather and in-turn verify unconfirmed transactions into blocks
- They then add a nonce (one use number) to the block and hash it
- If the hash has X number of zeros at the beginning it becomes a valid block
- Otherwise the miners increase the nonce and they hash the block again
- Solving these cryptographic equations is becoming increasingly difficult

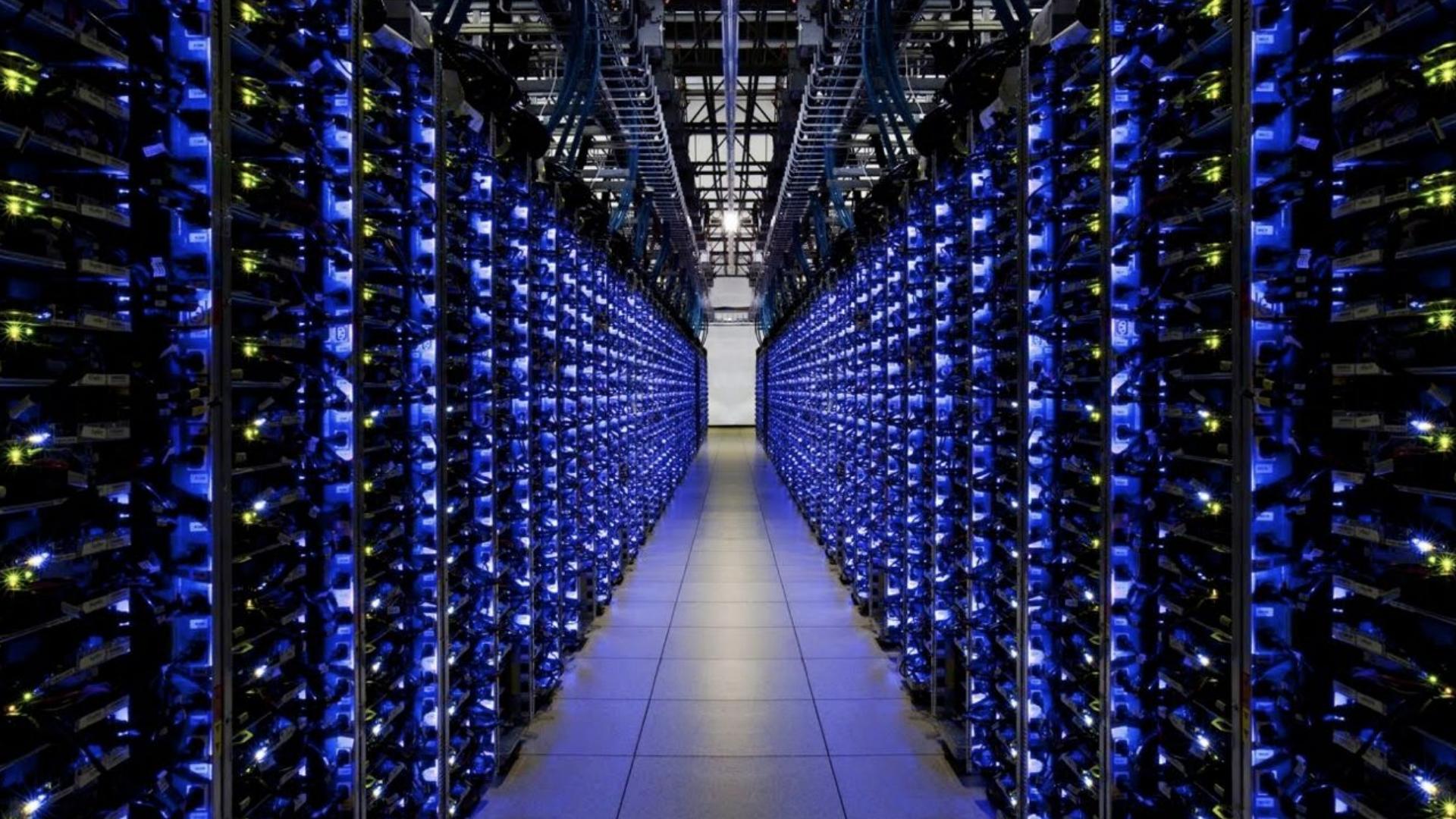
THIS IS THE HASHING POWER OF THE NETWORK IN 2013





2013 to 2015 - MINING IS NOW A BILLION DOLLAR BUSINESS



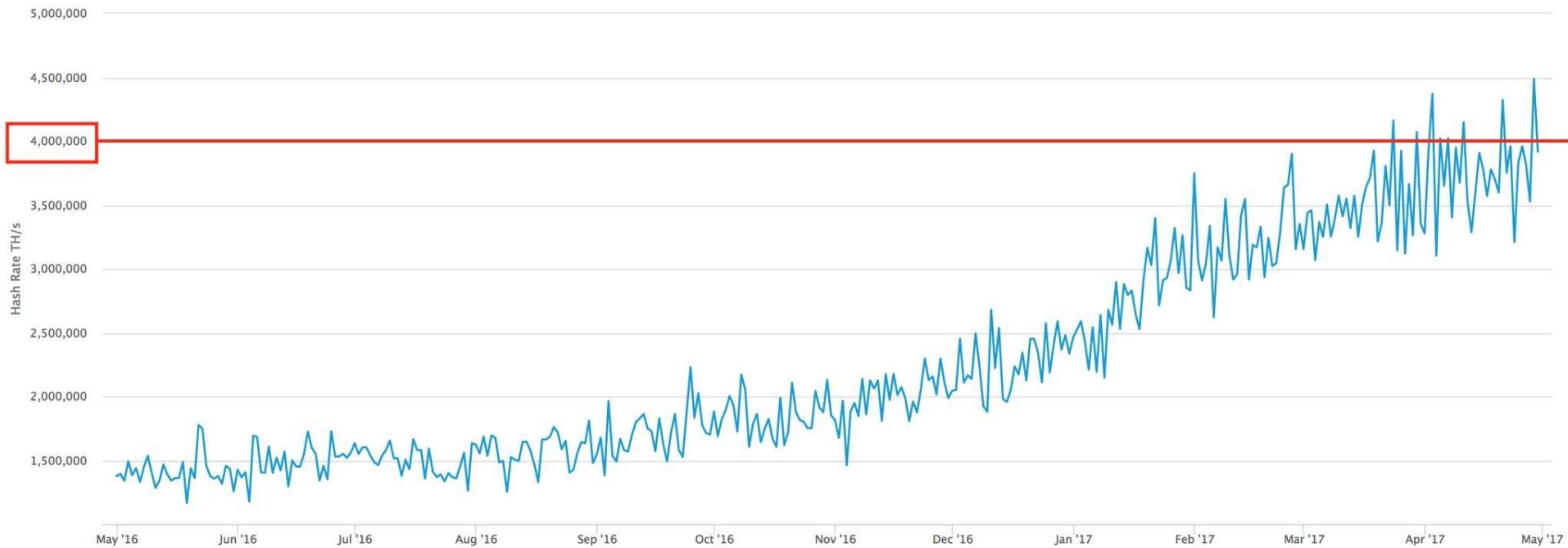


4,000,000 TH/s = US\$500,000+ IN MINING EQUIPMENT ALONE

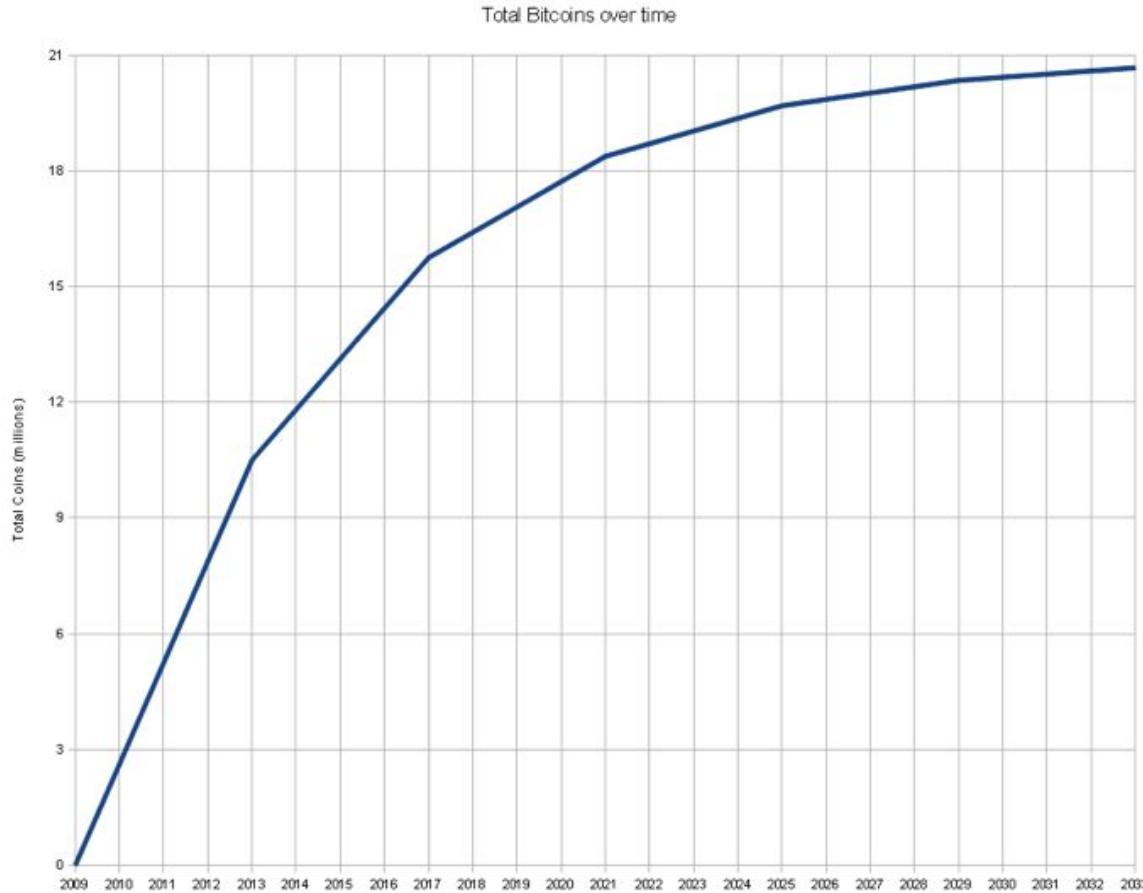
Hash Rate

The estimated number of tera hashes per second (trillions of hashes per second) the Bitcoin network is performing.

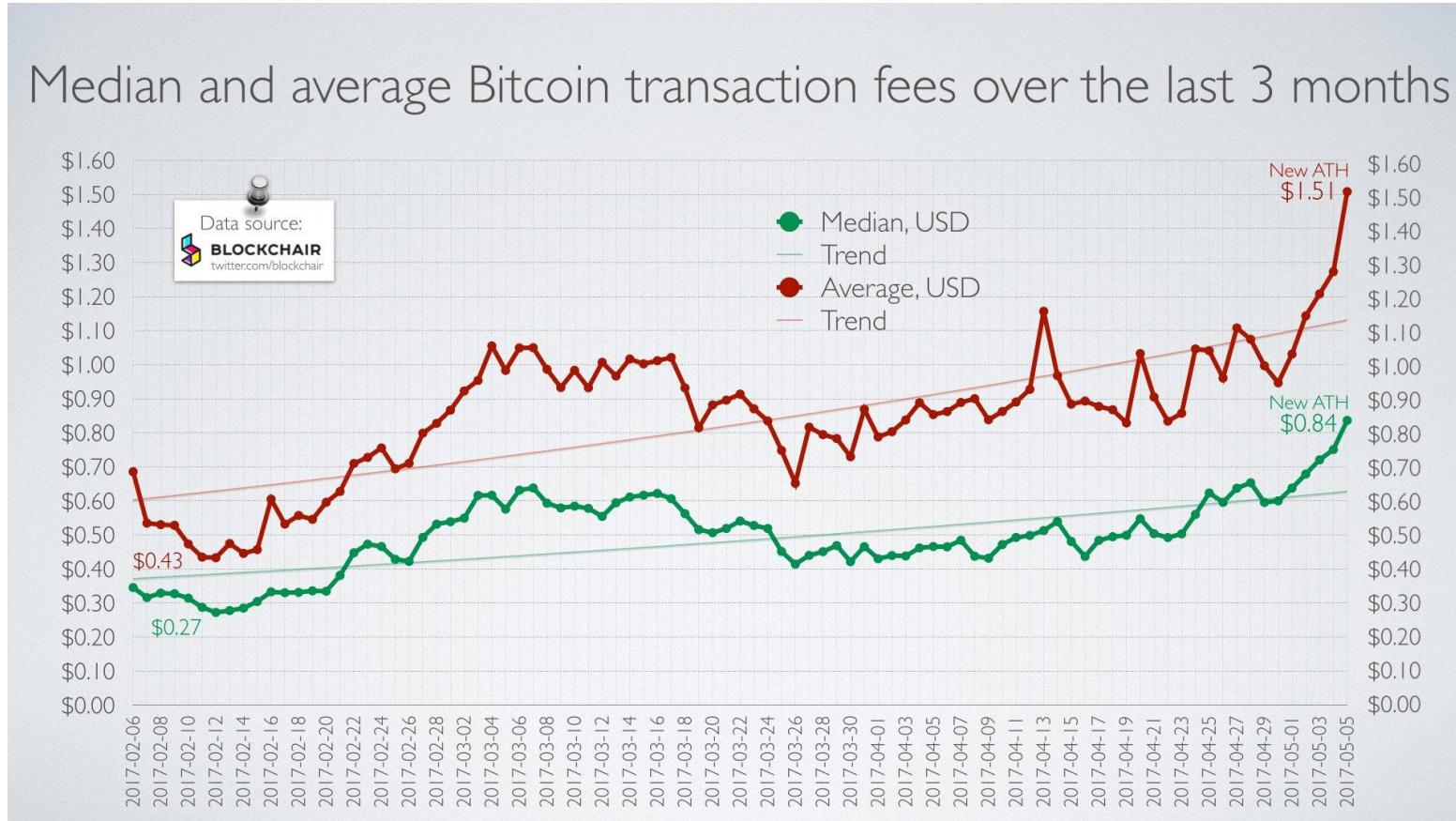
Source: blockchain.info



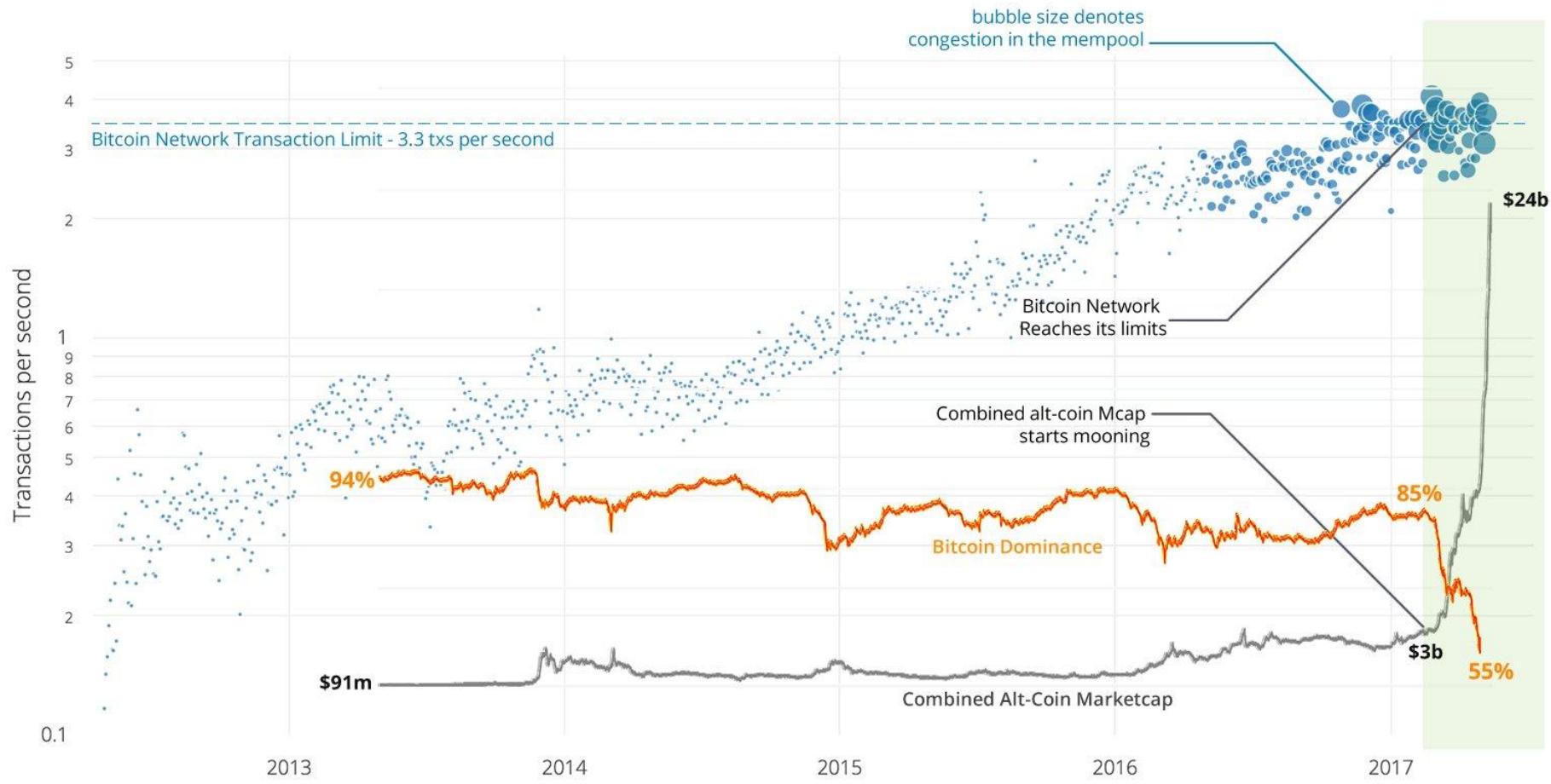
LONG TERM FUNCTION OF MINERS IS NOT TO MINE



SINCE THERE IS NO DEFINED FEE - CLEARING IS A FREE MARKET



AS BLOCKS CONTINUE TO FILL - THE MARKET SPREADS



BITCOIN ISN'T EVERYTHING

BILLIONS INVESTED IN BLOCKCHAINS

BANKS ARE MOVING FASTER THAN USUAL

In 2016, over 100 banks and leading financial institutions started blockchain projects, with more than US\$1 billion dollars being invested into the ecosystem - in just one year!

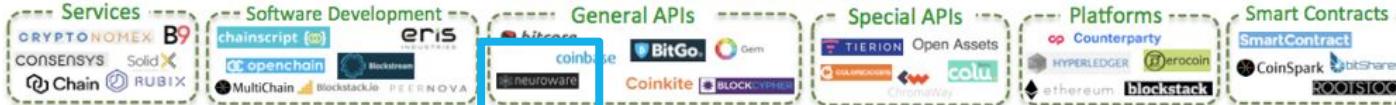


BLOCKTECH in FINANCIAL SERVICES Landscape

APPLICATIONS & SOLUTIONS



MIDDLEWARE & SERVICES



INFRASTRUCTURE & BASE PROTOCOLS



IMITATION IS THE BEST FORM OF FLATTERY



- Coins forked each other with minor tweaks
- Basic breakout alt-coin successes included Litecoin and Dogecoin
- Dash (previously known as DarkCoin) worth noting due to governance

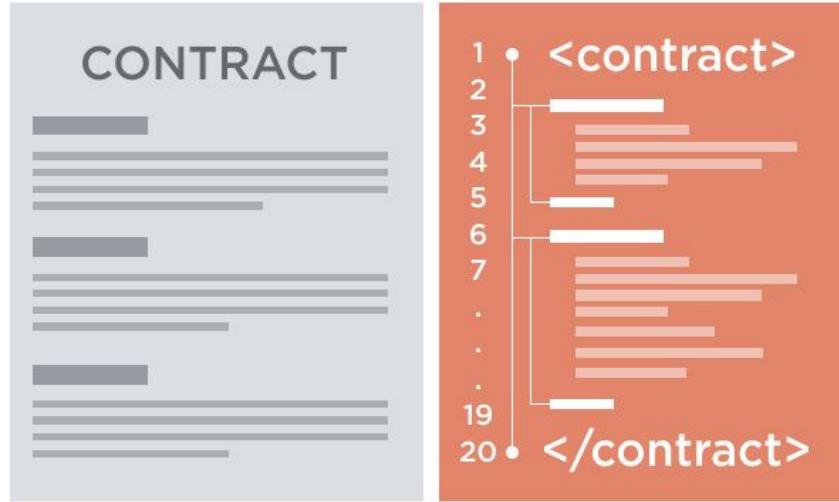
ETHEREUM TOOK THINGS SEVERAL STEPS FURTHER



THE WORLD'S SUPER COMPUTER...?

- Raised US\$15 Million in **token-sales** when launching their Ether currency
- Aiming to be the first turing complete blockchain, they have almost achieved it
- Heavily supported by Microsoft and also used by IBM for their IoT platform
- Unlike BTC, we know who built it - currently uses PoW, plans to switch to PoS
- However, the more moving parts a system has - the more likely it is to break

SMART CONTRACTS ARE EVERYWHERE



- Even Bitcoin utilizes basic smart contracts (with over 100 script functions)
- Smart contracts are snippets of code stored and executed by the network
- They can perform transactional based events if defined conditions are met

WHAT'S REALLY IN A TRANSACTION?

```
{
  "block_hash": "00000000009f30c59abf2f8556c0949c79b54764f4cbb223ca43527394d3ee2",
  "block_height": 847281,
  "block_index": 24,
  "hash": "235a88e9853c1c116ef47f795f13ce200c2elbf37667e99973e1c829f95b95f7",
  "addresses": [
    "mpNENnsFcL85hpXwfPrYpkZqAkbbFpxLF",
    "mq7tNFrbi3E3fsuUbsTsA7keoeYL6gYzv2"
  ],
  "total": 86124000,
  "fees": 10000,
  "size": 339,
  "preference": "medium",
  "relayed_by": "",
  "confirmed": "2016-05-16T07:51:20Z",
  "received": "2016-05-16T07:51:20Z",
  "ver": 1,
  "lock_time": 0,
  "double_spend": false,
  "vin_sz": 2,
  "vout_sz": 1,
  "confirmations": 19557,
  "confidence": 1,
  "inputs": [
    {
      "prev_hash": "bb4cef4d48dba1916c73552342b660be00535c43ad47462abf43a402cc2a61a1",
      "sequence": 4294967295,
      "addresses": [
        "mpNENnsFcL8a5hpXwfPrYpkZqAkbbFpxLF"
      ],
      "script": "4730450220618bd76a683d2603edb570e66b851f85dd594abd7a3c25a2b29064b01695907502201edeac4cd777e04a393cf1bca0d7ba5916e3fc8c67efa33268a936bf96b9a7e012103530d0cbdfcd448b8d96ac9c1cbdc88a2f60e5a7f16e7ab321185afb0523e9fc",
      "script_type": "pay-to-pubkey-hash"
    },
    {
      "prev_hash": "42662b2544a7f59alabd004a8e15c714f108f553f1dd3f0617982eb5b8ac468c",
      "sequence": 4294967295,
      "addresses": [
        "mpNENnsFcL8a5hpXwfPrYpkZqAkbbFpxLF"
      ],
      "script": "483045022100f7ab281bc0b60550098f62a097b6dbe79a9f35261aae9dc01aec54a08e8212b02201261b2d0f44545a551fe54f1777597e747523f0a66b7fc74521828c67f23887012103530d0cbdfcd448b8d96ac9c1cbdc88a2f60e5a7f16e7ab321185afb0523e9fc",
      "script_type": "pay-to-pubkey-hash"
    }
  ],
  "outputs": [
    {
      "value": 86124000,
      "script": "764914695469844938fd58e5cf59987f4cc063d4d657a788ac",
      "addresses": [
        "mq7tNFrbi3E3fsuUbsTsA7keoeYL6gYzv2"
      ]
    }
  ]
}
```

DECODING SCRIPT HEXES

- 80% of transactions are known as standard transactions

OP_DUP OP_HASH160 <pubKeyHash>

OP_EQUALVERIFY OP_CHECKSIG

- Approximately 1% of transactions contain OP_Returns

OP_RETURN <hexedData>

- There are even a few hidden puzzles on the blockchain...

OP_HASH256

6fe28c0ab6f1b372c1a6a246ae63f74f931e8365e15a089c68d6190000000000

OP_EQUAL

ETHEREUM TAKES THINGS ONE STEP FURTHER

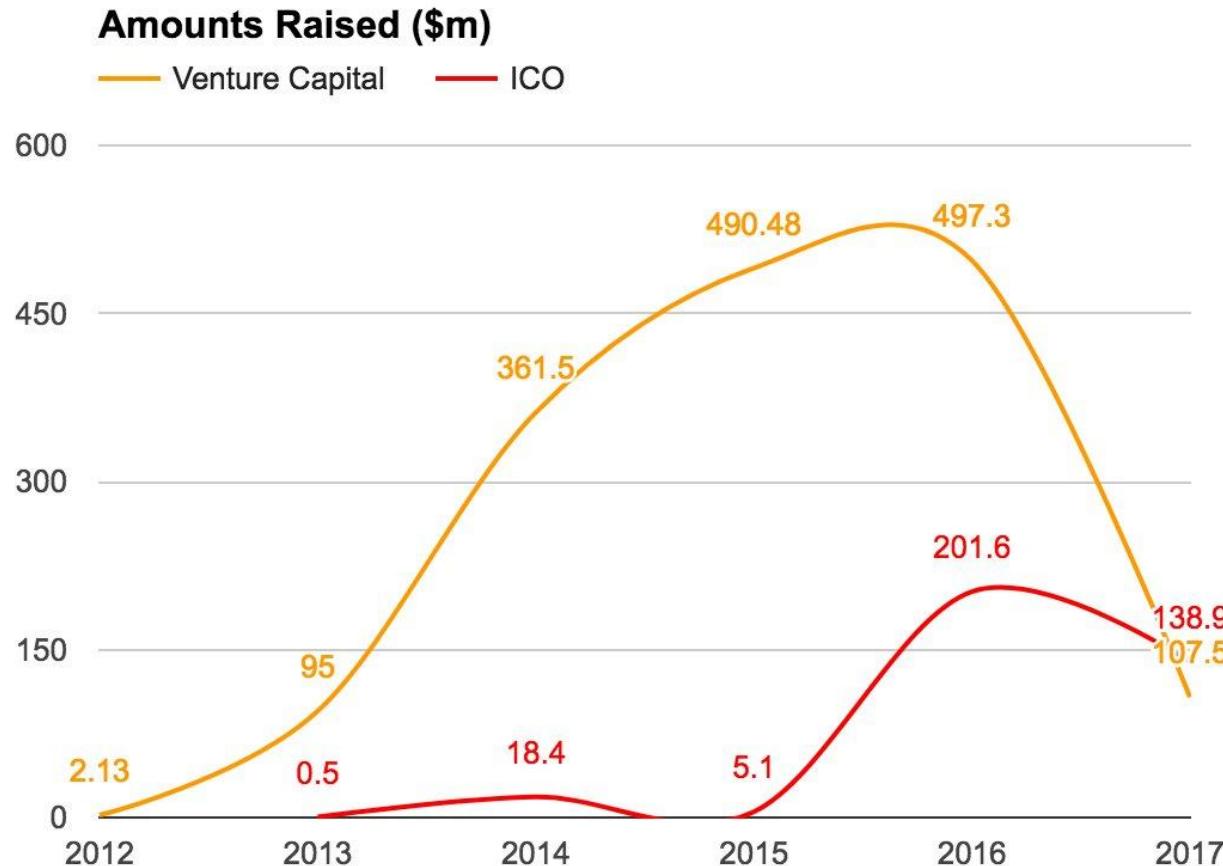
```
contract MyToken {  
  
    string public standard = 'Token 0.1';  
    string public name;  
    string public symbol;  
    uint8 public decimals;  
    uint256 public totalSupply;  
  
    function MyToken( ... )  
    function transfer( ... )  
    function approveAndCall( ... )  
    function transferFrom( ... )  
  
}
```

CURRENCIES CAN BE MANY THINGS - EVEN EQUITY OR RIGHTS

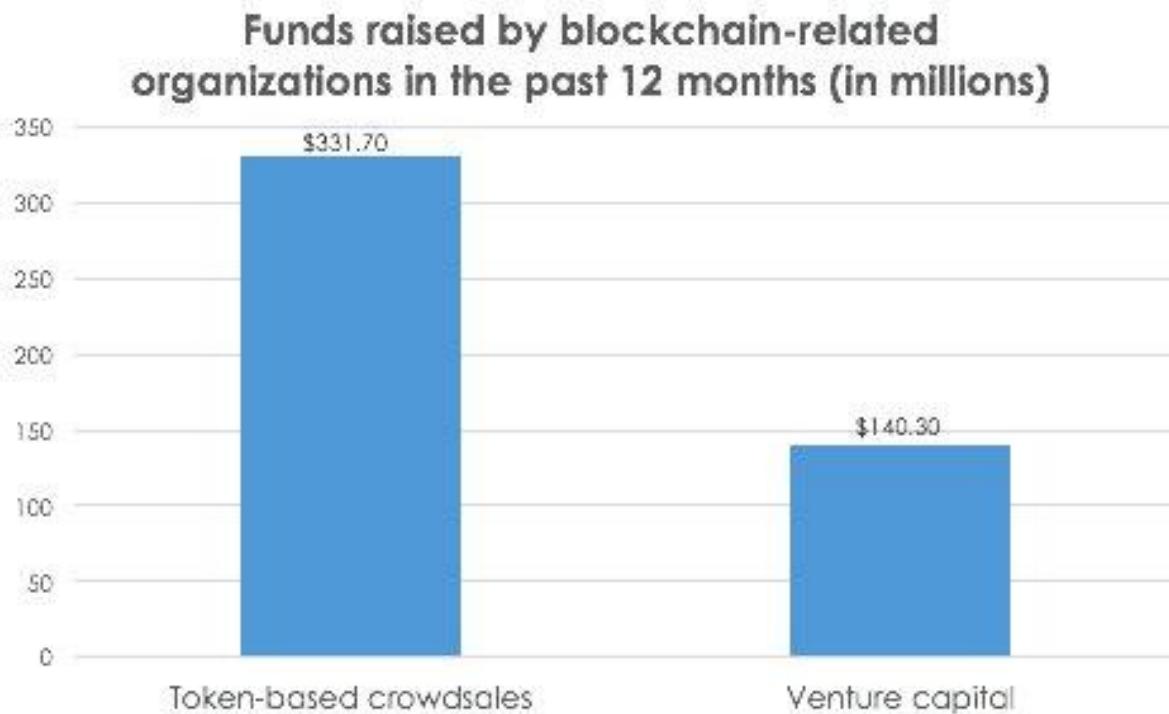
- Symbol = %
- Decimals = 2
- Name = Equity

Contracts can also be linked, which allows governance contracts (DAOs) to then be able to vote and control upon custom currency transfers...

TOKEN SALES - ICOs ARE THE NEW IPOs OF CRYPTO-LAND



THE LAST 60 DAYS HAS CHANGED THE LAST 12 MONTHS



(WAS ONCE) LARGEST CROWDFUNDED PROJECT EVER - US\$150M

THE DAO IS AUTONOMOUS. |

1071.36 M

DAO TOKENS CREATED

10.73 M

TOTAL ETH

116.81 M

USD EQUIVALENT

1.10

CURRENT RATE
ETH / 100 DAO TOKENS

15 hours

NEXT PRICE PHASE

11 days

LEFT
ENDS 28 MAY 09:00 GMT



WOULD HAVE BEEN WORTH US\$4+ BILLION AT TODAY'S RATES

THE DAO IS AUTONOMOUS. |

1071.36 M

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116.81 M

USD EQUIVALENT

1.10

CURRENT RATE
ETH / 100 DAO TOKENS

15 hours

NEXT PRICE PHASE

11 days

LEFT
ENDS 28 MAY 09:00 GMT



ACTUALLY WORTH US\$214+ MILLION ON ETHEREUM CLASSIC

THE DAO IS AUTONOMOUS. |

1071.36 M

DAO TOKENS CREATED

10.73 M

TOTAL ETH

116.81 M

USD EQUIVALENT

1.10

CURRENT RATE
ETH / 100 DAO TOKENS

15 hours

NEXT PRICE PHASE

11 days

LEFT
ENDS 28 MAY 09:00 GMT



COSMOS - RAISED US\$16M+ IN 28 MINUTES

CØSMOS

Blog Plan FAQ Whitepaper About GitHub 

 Fundraiser



INTERNET OF BLOCKCHAINS

The Cosmos fundraiser raised **\$16.8 million USD** and finished on April 6, 2017 6:28AM PDT.

Subscribe

 Open Fundraiser

 Fundraiser Results

 Contribution Terms

 Discuss on Slack



 BITCOIN
MAGAZINE



 BRAVE NEWCOIN.
Digital Currency Insights

 COINALERT
Crypto Currency News 24/7

 CoinDesk



 cryptocoins
news



 Finextra

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 ONMSFT

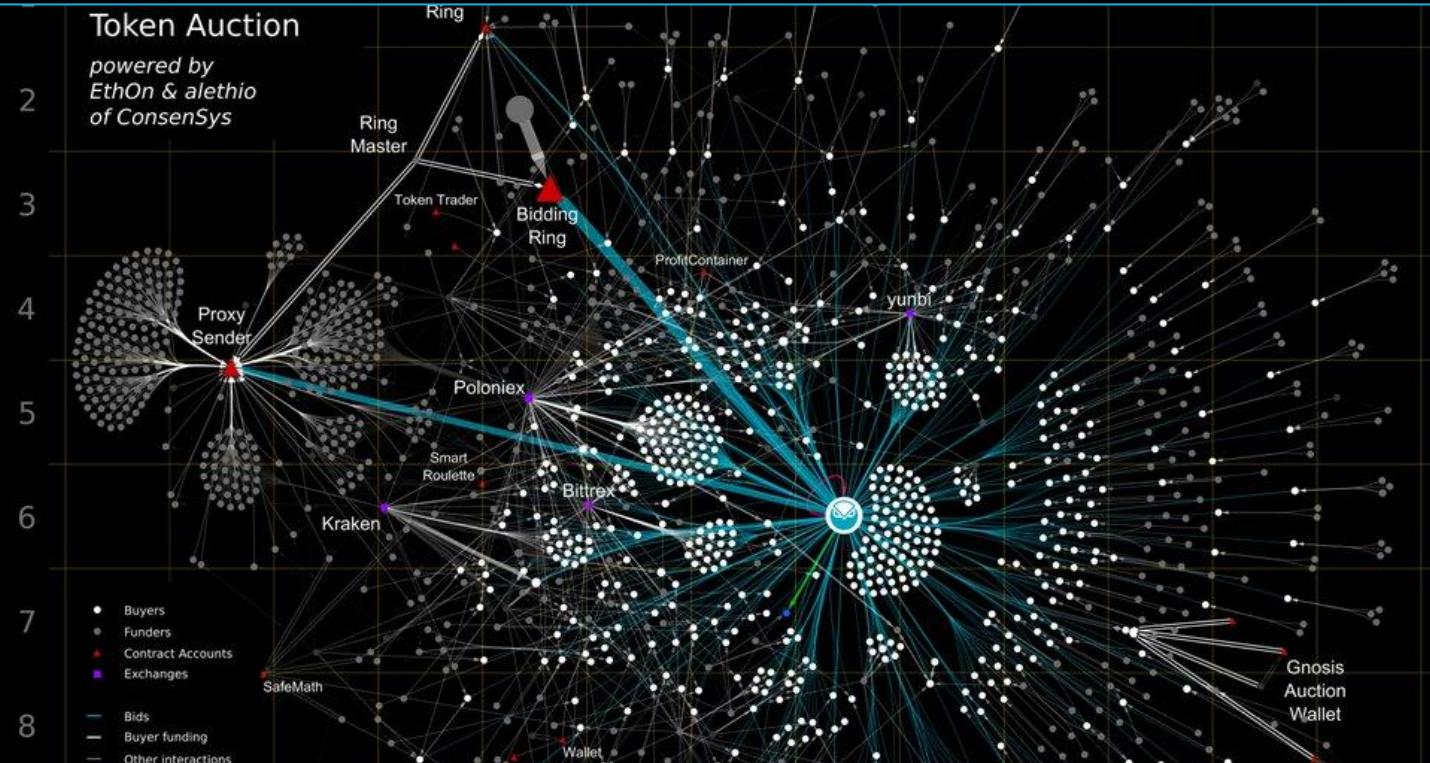
 siliconANGLE

 THE
WALL
STREET
JOURNAL

 ME



GNOSIS - US\$12+ MILLION IN UNDER 10 MINUTES



NOW HAS A MARKET CAP OF US\$200+ MILLION
(pre-product - let alone pre revenue)

MOST RECENT - BAT - US\$35+ MILLION IN UNDER 30 SECONDS



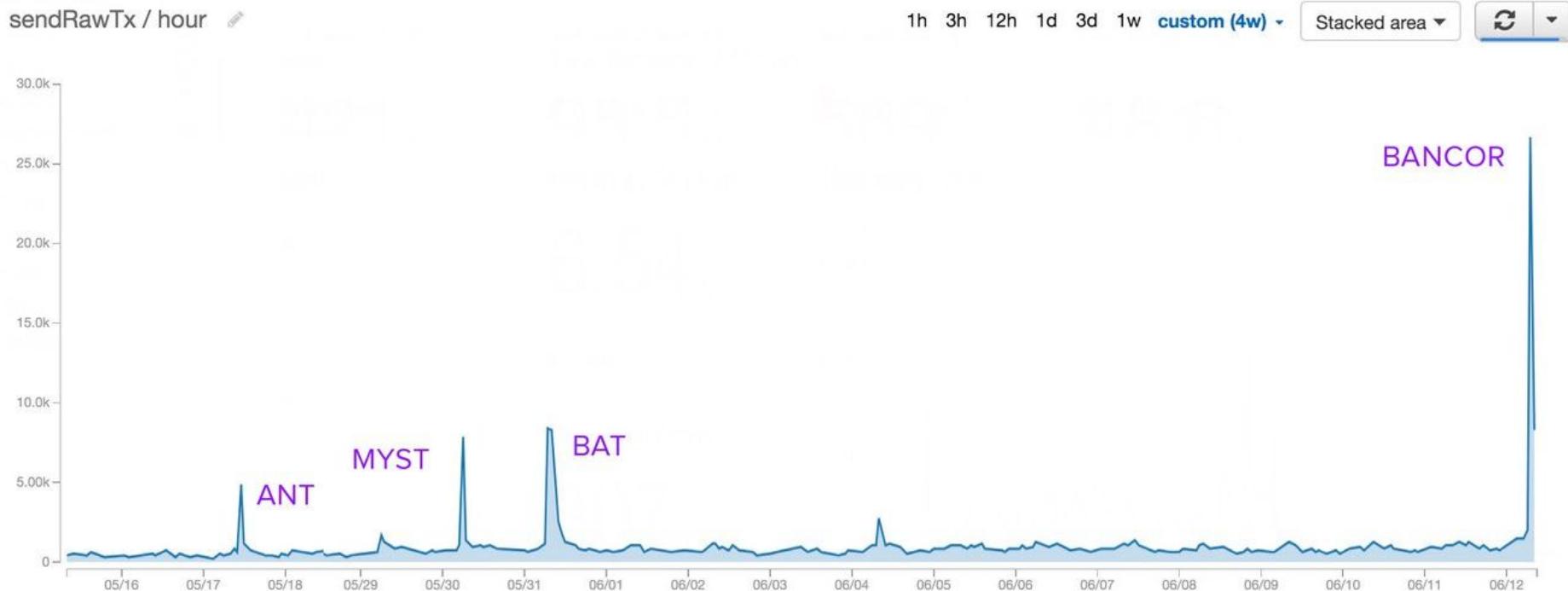
basicattentiontoken

INTRODUCING BLOCKCHAIN-BASED
DIGITAL ADVERTISING

The BAT Sale is now closed. Thank you to all who participated!

SO MUCH INTEREST IT TEMPORARILY BROKE ETHEREUM
(network was flooded for hours with some TXs spending US\$2K+ for fees)

BANCOR WAS EVEN WORSE



BANCOR - HAS THE POTENTIAL TO BE THE NEXT (DAO) INCIDENT



Contract Overview

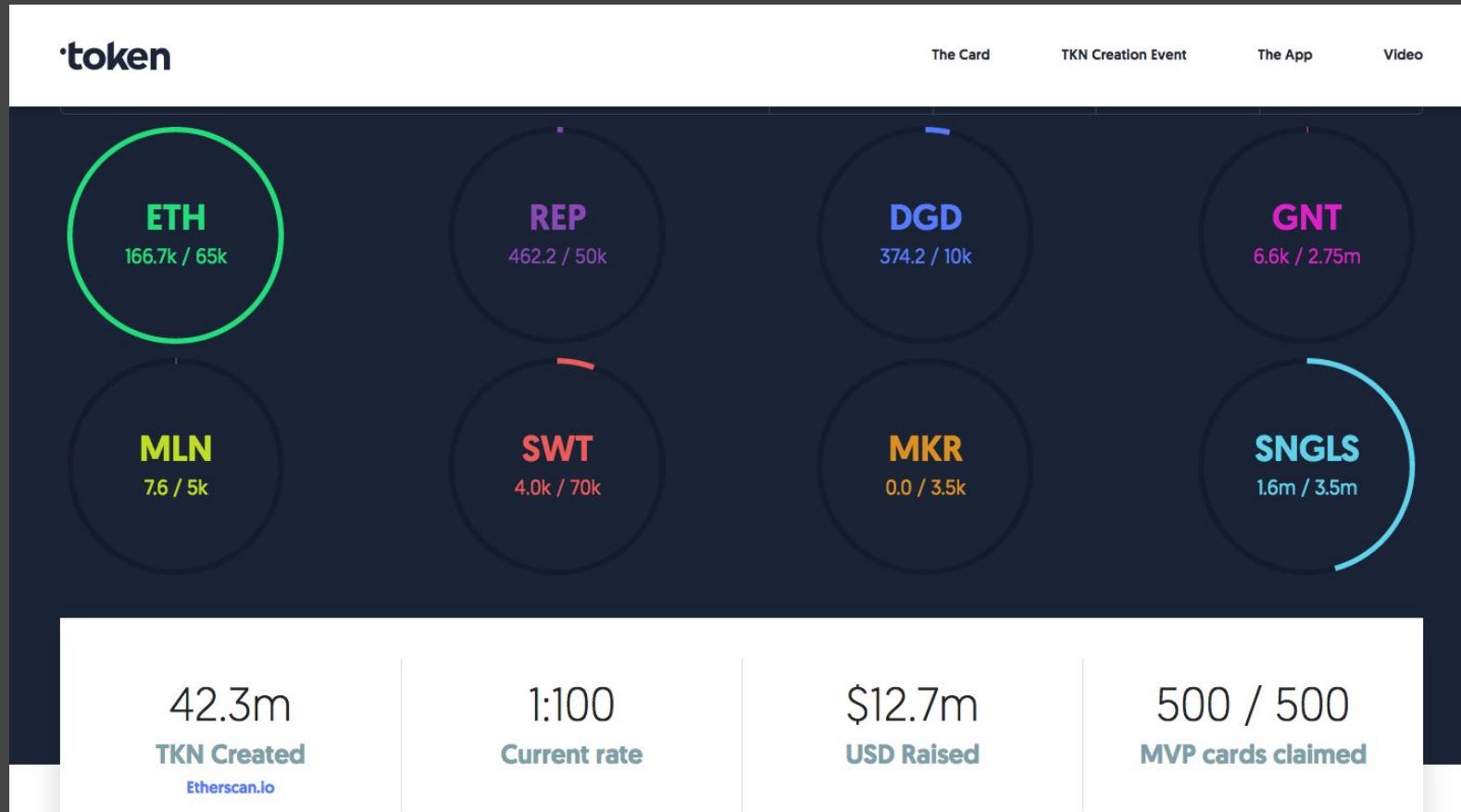
ETH Balance:

363,791.781536115883455766 Ether

ETH USD Value:

\$141,511,365.10 (@ \$388.99/ETH)

CHECK THE FACTS - ICOs ARE UNREGULATED - ANYTHING GOES



SO WHY ARE PEOPLE SO EAGER TO INVEST ...?

Stats

ROI Since ICO

ROI / Time

ICO v.s. ETH

ICO v.s. BTC

Compare

FEEDBACK

Trello Roadmap

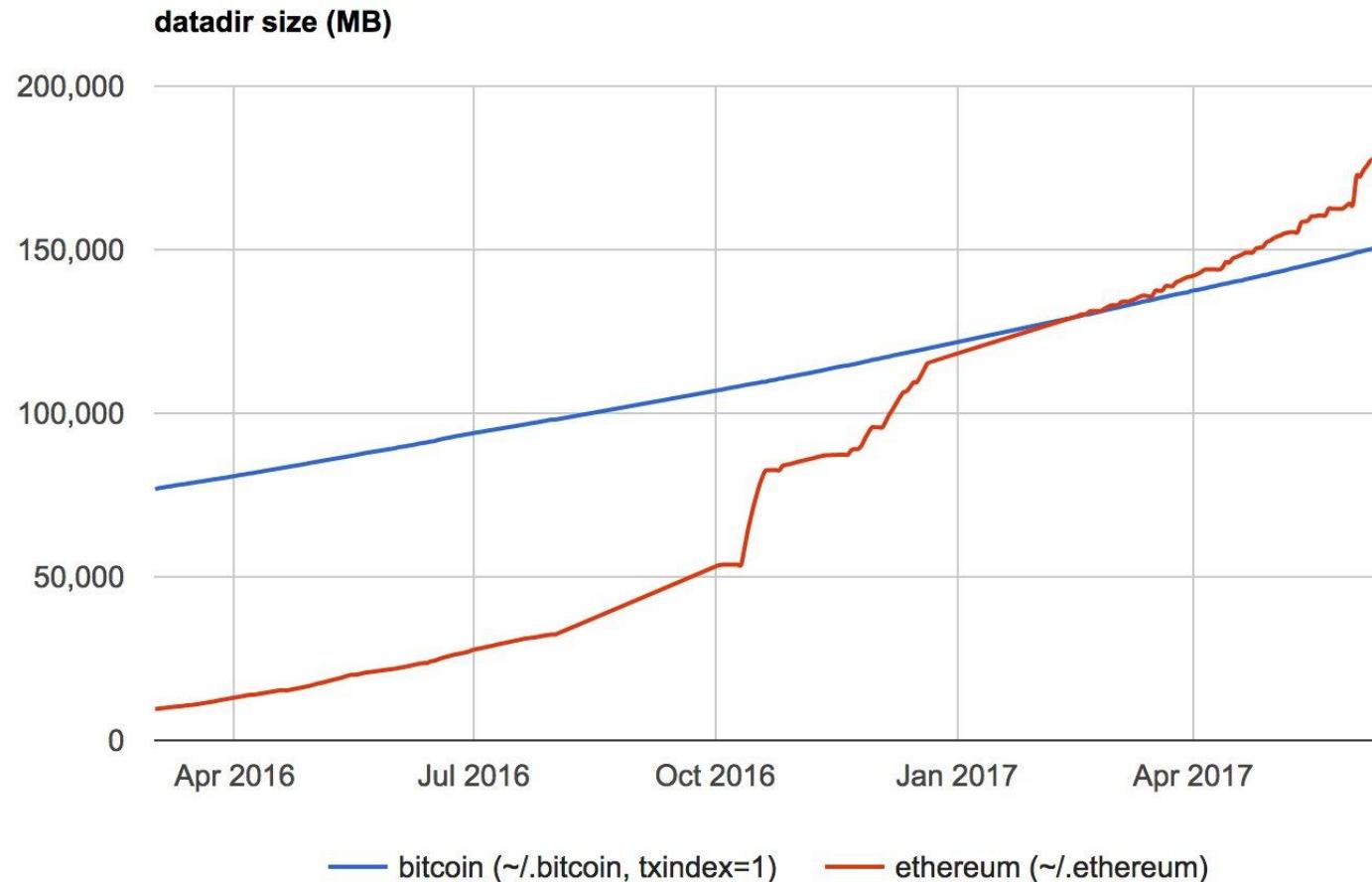
Tipjar:
0x28981863A0FB4e07c8508623D
e8Bd6d4b28419C

	NAME	▼ CHANGE (%)	ICO DATE	ICO PRICE ⓘ	CURR. PRICE
	Stratis <small>Buy Instantly</small>	+76195.86%	06/20/16	\$ 0.007	\$ 5.341
	Storj	+5843.59%	07/18/14	\$ 0.010	\$ 0.594
	Golem <small>Buy Instantly</small>	+4346.66%	11/11/16	\$ 0.010	\$ 0.445
	Augur <small>Buy Instantly</small>	+3598.35%	08/01/15	\$ 0.600	\$ 22.190
	Antshares	+3327.43%	10/01/15	\$ 0.030	\$ 1.028
	Ark	+2486.82%	11/07/16	\$ 0.010	\$ 0.259
	Etheroll	+2444.96%	02/13/17	\$ 0.069	\$ 1.756
	DigixDAO <small>Buy Instantly</small>	+2340.20%	03/01/16	\$ 3.240	\$ 79.062
	Swarm City <small>Buy Instantly</small>	+2196.82%	11/01/16	\$ 0.088	\$ 2.021
	Beyond the Void	+2034.91%	11/01/16	\$ 0.015	\$ 0.331
	Waves <small>Buy Instantly</small>	+1476.70%	04/12/16	\$ 0.190	\$ 2.996

COMPARING OUR 4 + (1 X 2) FAVOURITE PUBLIC BLOCKCHAINS

Data from CoinGecko on June 6th	Bitcoin	Litecoin	Dogecoin	Dash	Ethereum	ETC
Coin Limit	21 Million	84 Million	UNLIMITED	22 Million	Unknown	200+ Million
Current Supply	16 Million	51 Million	100 Billion	7 Million	91 Million	91 Million
Mining Algorithm	SHA-256	Scrypt	Scrypt	X11	Ethash	Ethash
Hash-Rate	644 PH/s	7.2 TH/s	6 TH/s	3.6 TH/s	30 TH/s	Unknown
Average Block Time	10 Minutes	2.5 Minutes	1 Minute	2.5 Minutes	10 Seconds	10 Seconds
Launched	03 / JAN / 09	07 / OCT / 11	08 / DEC / 13	19 / JAN / 14	30 / JUL / 15	25 / OCT / 16
US\$ Price per Coin	US\$2,800+	US\$30	US\$0.0038	US\$149	US\$260	US\$17
Current Market Cap	US\$47+ B	US\$1.5+ B	US\$420+ M	US\$1+ B	US\$24+ B	US\$1.6+ B
Size of Raw Blockchain	135 GB	8 GB	21 GB	3 GB	180 GB	120 GB
Hardware Cost of 51% Attack	US\$1.6+ B	US\$240+ M	US\$200+ M	US\$450+ M	Unknown	Unknown

DOING “ANYTHING” TAKES UP A LOT OF SPACE



BLOCKCHAINS
AND ASIA

SINGAPORE - LEADING THE PACK

DBS - First bank (globally) to launch a public blockchain competition

DBS & Standard Chartered - first banks (regionally) to use blockchains

OCBC first bank (regionally) to settle intrabank cross border payments

MAS - First regulator (regionally) to issue digital currency on blockchains

QTUM - 1st new blockchain in region to receive over US\$1 million



SINGAPORE - MAKING INTERNATIONAL HEADLINES



Otonomos
@Otonomos

Follow

@Otonomos is serving clients from 26 countries as of July! Can't wait to see how many more by the end of the year!



Incorporate online in Singapore, HK, UK, Cayman Islands via blockchains
(in discussions with Delaware)



SINGAPORE - MAKING THEIR OWN HISTORY



Ethereum Core Team and Founder
(Vitalik) relocated to Singapore



CHINA - MOST INFLUENTIAL NATION

Over 60% of Bitcoins mined in China

10 banks hiring 30 blockchain
developers at a 50% salary premium

Postal Savings Bank of China sent
100 asset TXs on its own Blockchain

US\$1.44 billion fund for blockchains

KOREA - SLOW TO START BUT QUICK TO ACTION

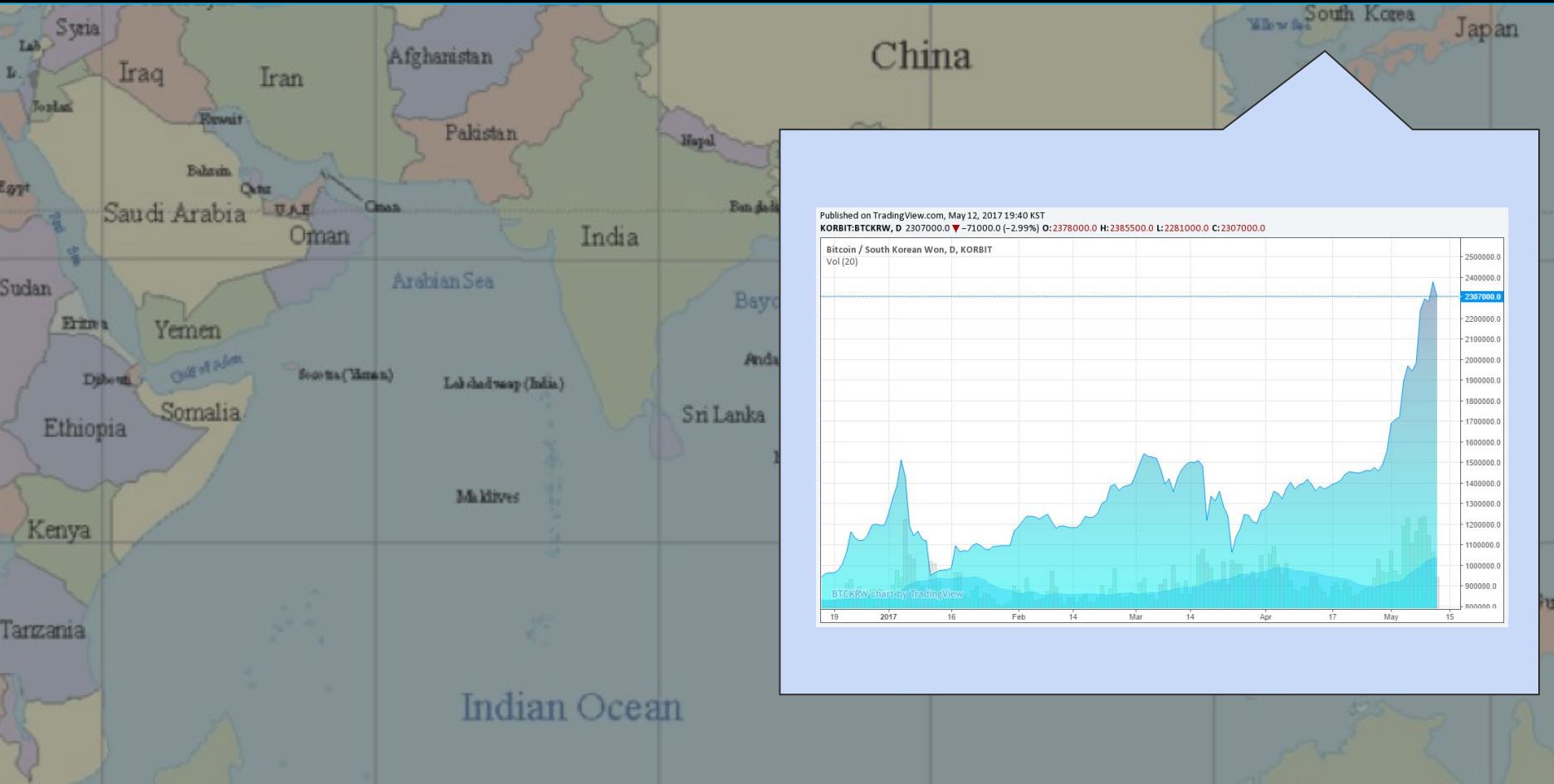
27 fintech firms form consortium

South Korea's securities exchange launches blockchain service in which startup equity shares can be traded

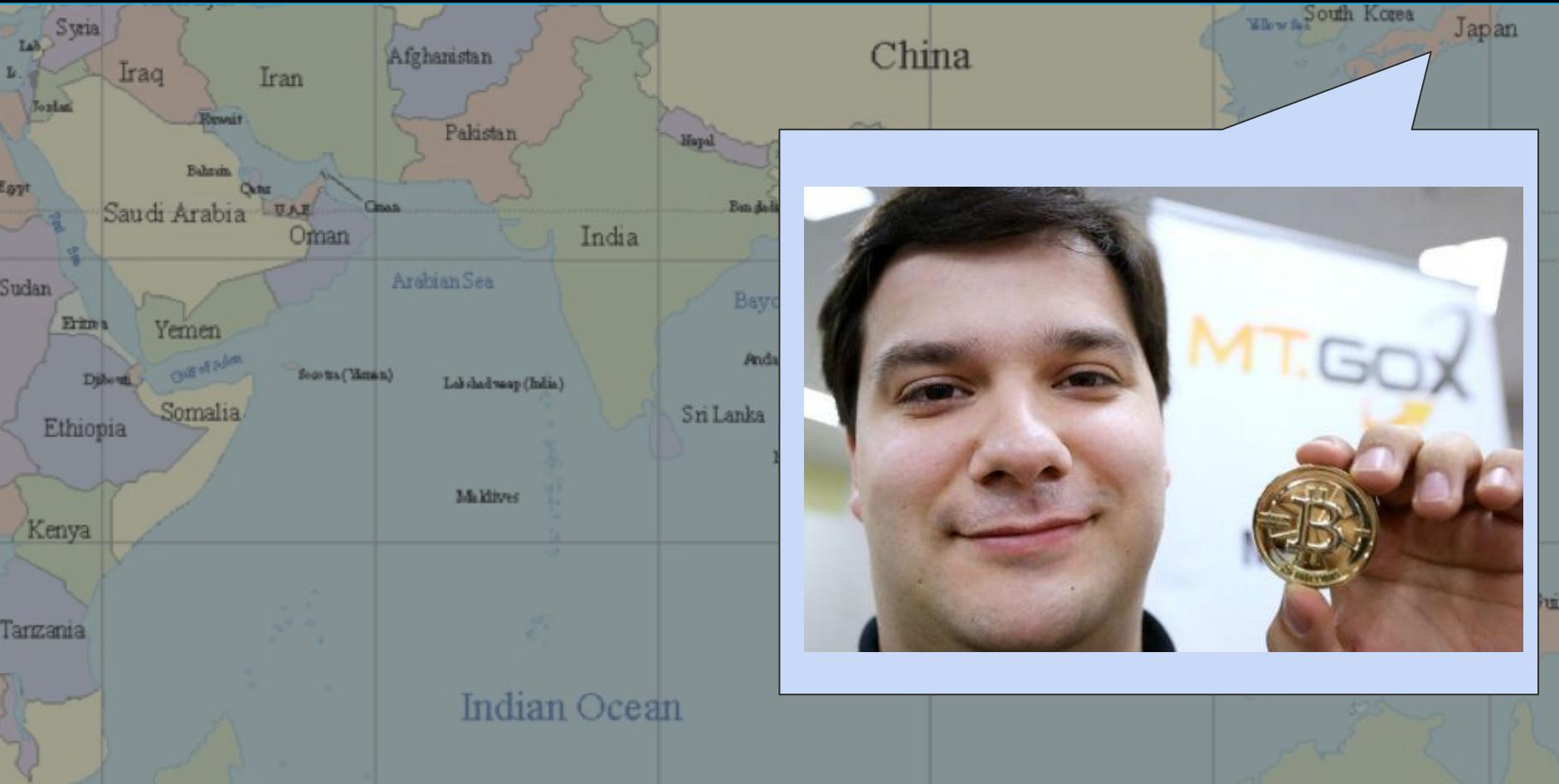
Shinhan Bank (oldest bank) working on cryptocurrency remittance

Korea is to Ethereum as China is to BTC

KOREA - CURRENTLY PAYING 21% MORE THAN GLOBAL PRICE



JAPAN - FIRST TO GET GOXXED - CONSUMERS LOST US\$450M++



TRUSTEES (US\$90M) NOW HOLD US\$560+ MILLION - MUCH PROFIT

Bankrupt Mt. Gox's bitcoins could pay off its debt

70 billion yen

60

Creditors' claims

50

40

30

Value of trustee's holdings

20

10

0

Sep.

'15

May

Sep.

'16

May

Sep.

'17

May

△ T L △ S | Data: CoinDesk, Mt Gox trustee. Claims accepted by trustee as of 15 March 2017

AS A RESULT - JAPAN - ALSO THE FIRST TO LEGALIZE THINGS



42 banks form ripple consortium, now over 100 members partnering

Stock exchange partners with IBM

Mizuho Financial Group and others use DLT for interbank payments

Merchants to reach 250K in 2017

BITCOIN NOW ACCEPTED BY LARGEST RETAILER IN TOKYO



BLOCKCHAINS
IN MALAYSIA

BLOCKCHAINS BOLEH - INTERESTING FACTS

- In 2012 - Malaysia was LEADING the Bitcoin mining race in Asia
- Malaysia was LEADING manufacturer of ASIIC (used by miners)
- First petrol station in Asia accepting Bitcoin was in Malaysia
- First co-working space in Asia accepting Bitcoin was in Malaysia
- First global VPN service accepting Bitcoin was also in Malaysia

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

9 FOUNDING MEMBERS FORM THE STEERING COMMITTEE



banking ambassador

LIM JOYAN & CO.
ADVOCATES | SOLICITORS

legal ambassador



banking ambassador



iTrainAsia™

education ambassador

REDmoney

media ambassador

IoT chain
of
things

IoT ambassador

ataplus

fintech ambassador

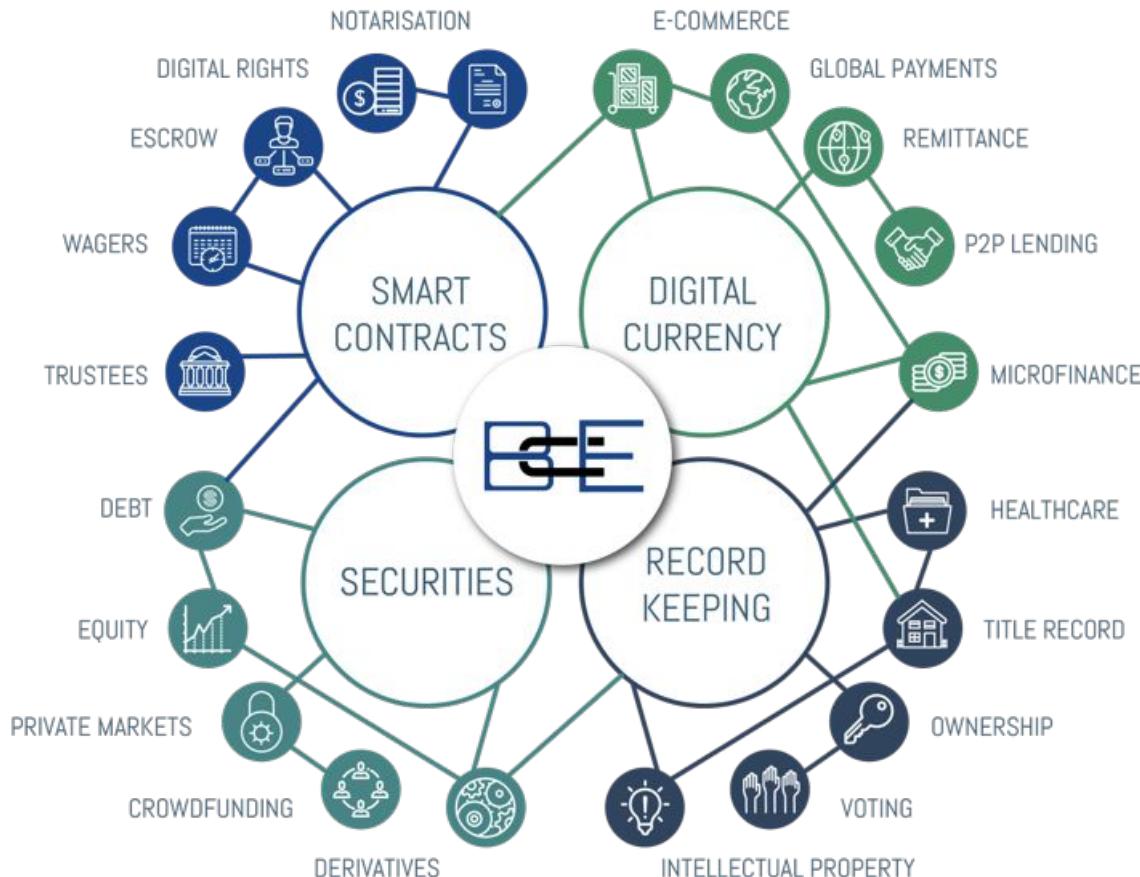
CapitalBay

invoice ambassador

R^①

tech ambassador

BIG PROBLEMS INVOLVE MULTIPLE PARTNERS & MOVING PARTS



OUR FIRST CLIENT WAS ONE OF SIX LICENSED ECF OPERATORS

The screenshot shows the ataplus platform interface. On the left, a sidebar menu includes 'COMMITS', 'DATASTORES' (with sub-options: ISSUERS, COMPANIES, INVESTORS, INVESTMENTS, SECTORS), and 'ADD NEW'. Below that are 'SCHEMA' and 'DOCUMENTATION'. The main area features a bar chart titled '6 Months Sitewide Total Investments' comparing January and March. A large speech bubble contains the quote: "For ECF to flourish, there must be a deep depository of trust and transparency that is frictionless & inclusive. Neuroware's tech enables us to provide all that and more!" At the bottom right, a logo for 'ataplus' is displayed next to the name 'Kyri - Co-Founder & Director of Licensed ECF Platform'.

ataplus

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

Credits: 254.00000000 FLUSH LOGOUT

COMMITS

DATASTORES

- ISSUERS
- COMPANIES
- INVESTORS
- INVESTMENTS**
- SECTORS
- ADD NEW

SCHEMA

DOCUMENTATION

6 Months Sitewide Total Investments

RM Invested (Millions)

Month	Investment (Millions)
January	0.40
March	0.35

sort by Most Recent search investments

f2583c4bbbc1d7f70fe776ef8de24e3e9131884de2be5ed3365fe72e53fa2177

EDIT DELETE SCHEMA

Key	Value
Index: Investment ID [auto]	bf28617205e695439c0dd2285a76d7c1

powered by neuroware

ADD NEW RECORD

74c87dfa57a94dc86666209cd87a01b^c

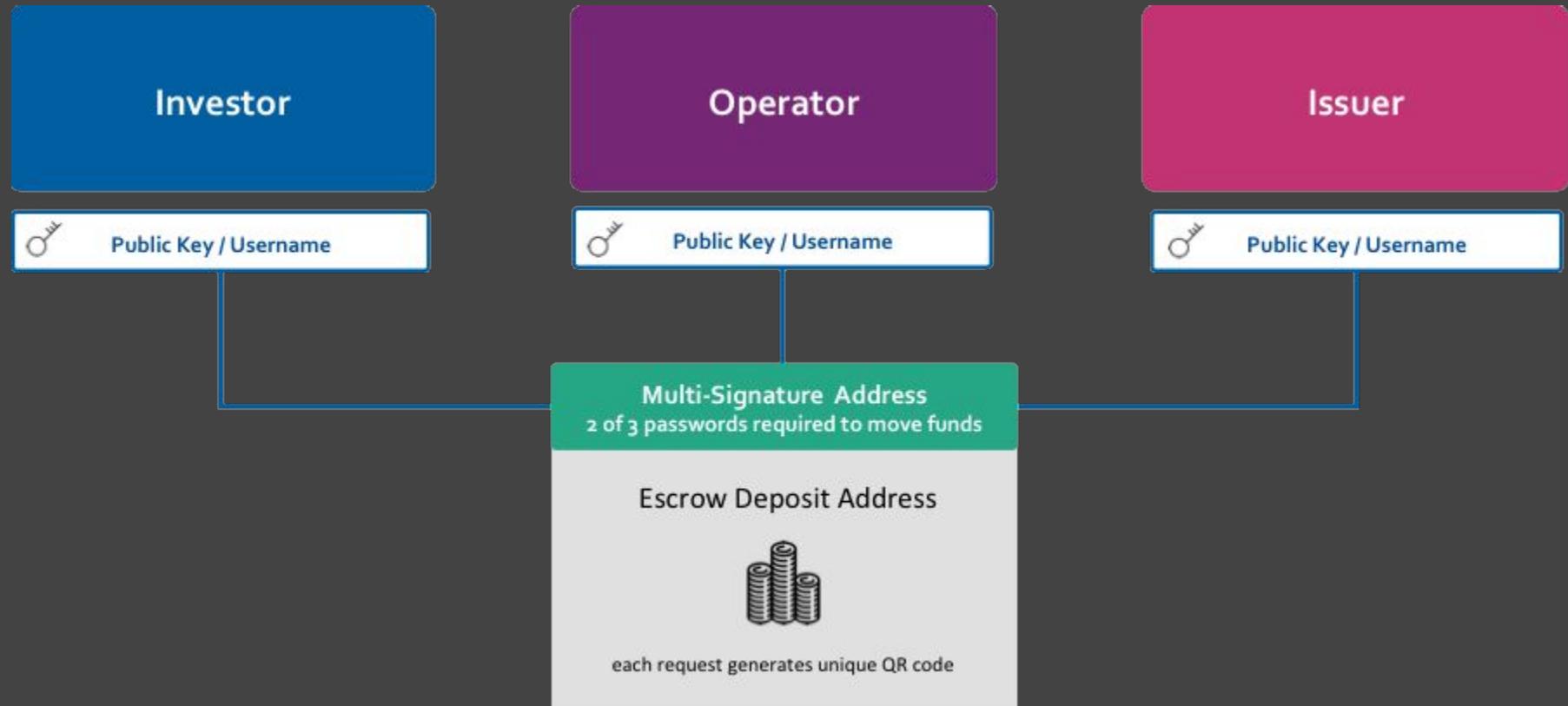
Date of Investment

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

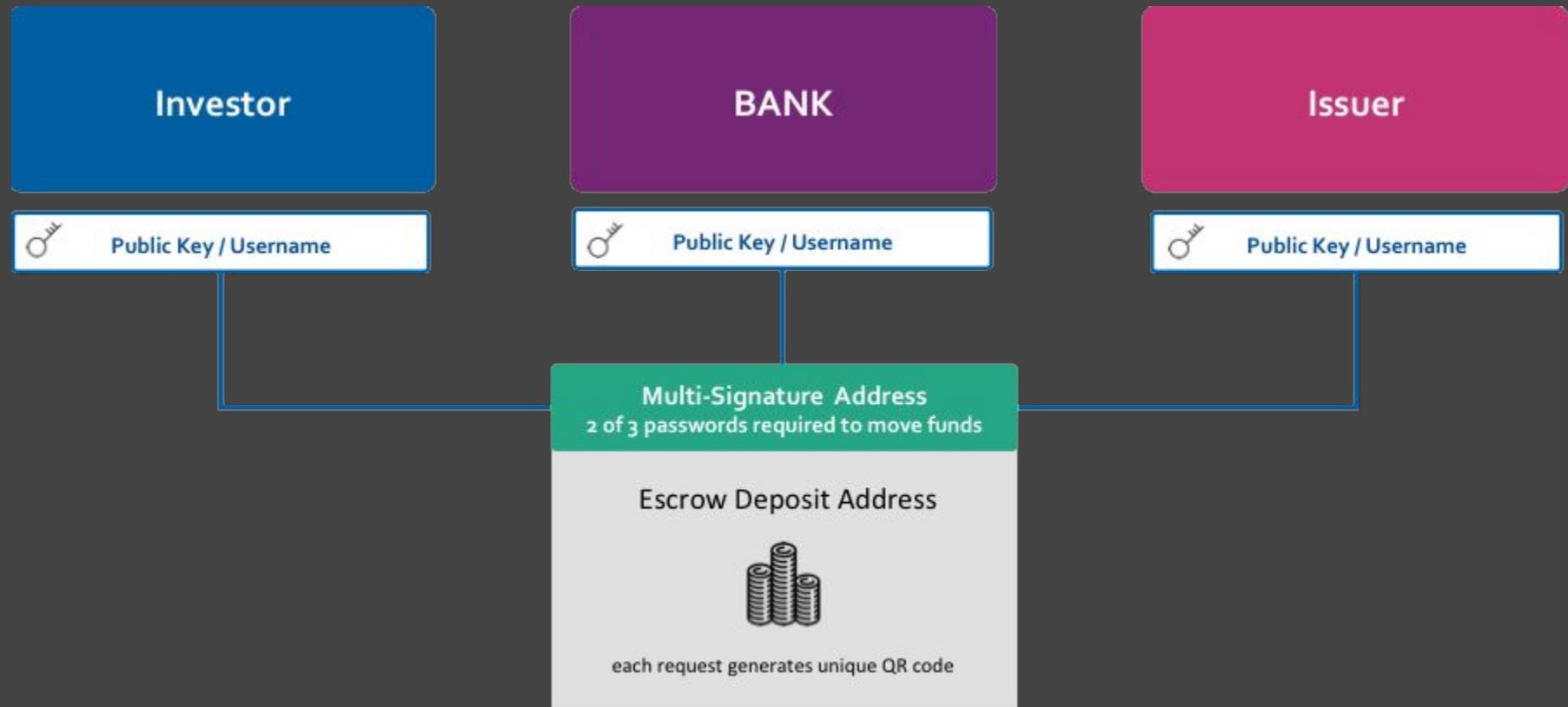
ataplus

Kyri - Co-Founder & Director of Licensed ECF Platform

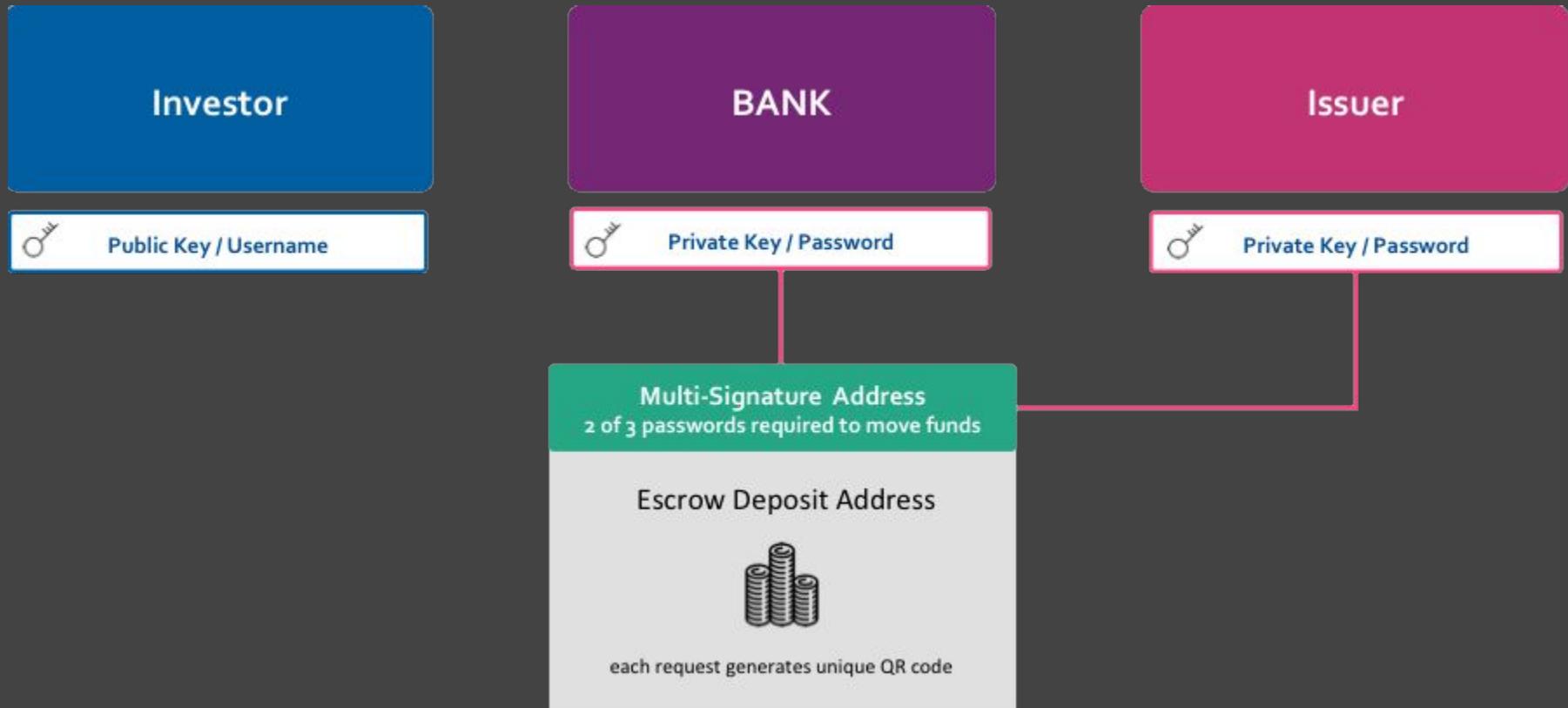
CURRENT MULTI-SIGNATURE BITCOIN SOLUTIONS IN MALAYSIA



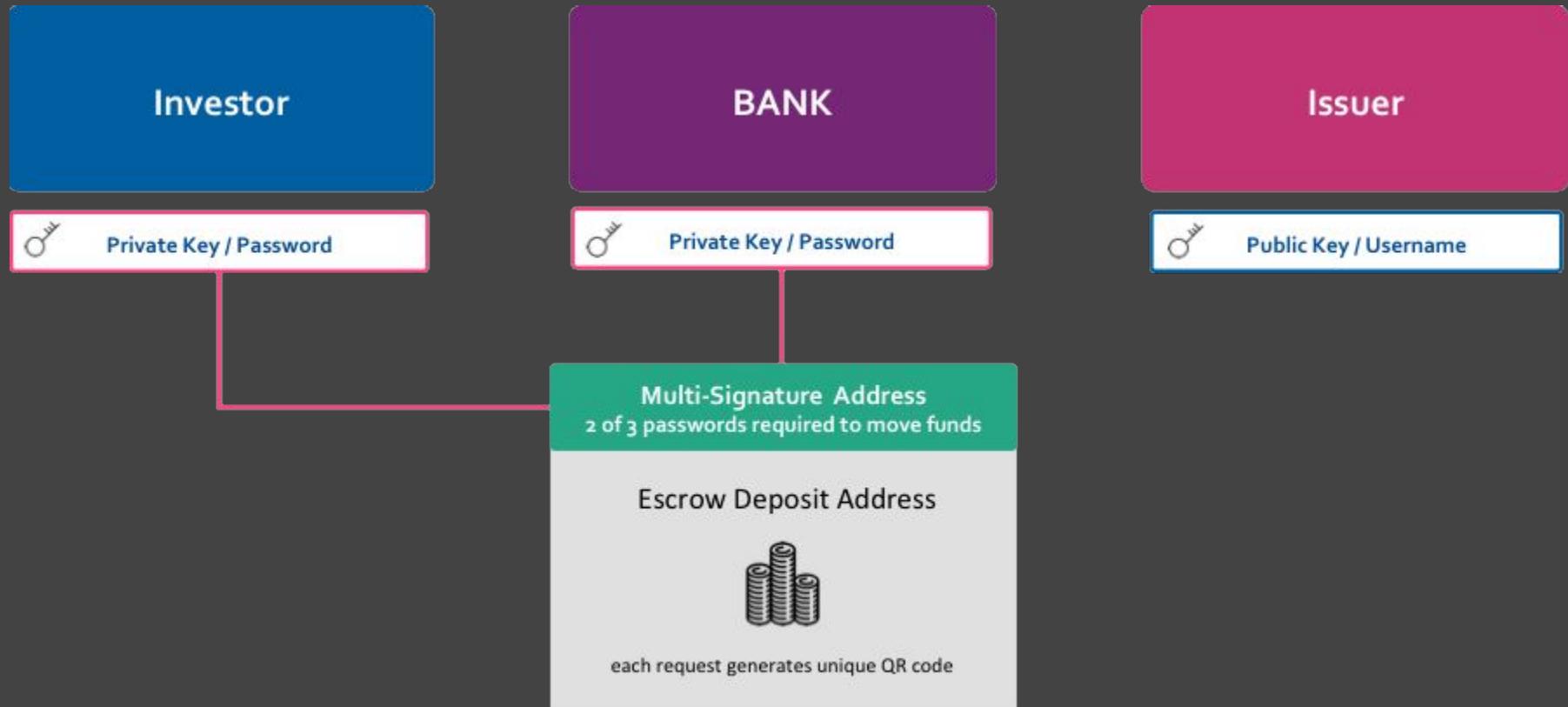
MOVING THE ECF OPERATOR - SANCTIONED BY REGULATORS



COMPLETING AN EQUITY CROWDFUNDED INVESTMENT PROCESS



REJECTING INVESTMENT OR RETURNING FUNDS TO INVESTORS



COINGECKO - PROFITABLE MALAYSIAN BUSINESS - TRACKS TOP 500

CoinGecko Beta [Follow @coingecko](#) [Follow](#) 853 [Like](#)

Chart [Commodities](#) [Beta](#) Buzz ... Sign In Sign Up English

Search Coins

Rank	Coin	Total	MktCap	Liquidity	Developer	Community	Public Interest	Last 7 Days	
1	Bitcoin	96	\$16,248,112 + 2.54%	116139.30	98 11974 1759 1364 3072 2606	94 4375 393 2.23 132	213664 501 28627 169012	87 9,386,000 10539	 Buy Sell
2	Ethereum	85	\$4,181,995 - 1.98%	76444.15	93 3579 751 463 1954 1705	72 164 2.28 29.9	32579 30038 61075	56 392,000 24497	 Buy Sell
3	Litecoin	75	\$315,383 + 0.80%	52212.93	85 1199 66 249 27 148 144	62 59 1.17 24.5	22437 42749 23327	42 409,000 174781	 Buy Sell
4	Ripple	74	\$753,065 + 37.27%	70260.68	87 1269 397 251 247 199	49 20 1 12.9	2234 4394 23406	54 122,000 63256	 Buy Sell
5	Dash	71	\$473,649 + 0.42%	18547.61	82 410 228 119 39 206 159	53 1003 31 1 14.8	4220 10764 18935	47 255,000 46914	 Buy Sell
6	Monero	70	\$265,592 + 1.46%	4601.69	85 514 307 143 100 558 387	54 1214 52 0.9 26.0	9793 3022 11648	44 318,000 96176	 Buy Sell

[f 660](#) [r 13](#) [in 3](#) [t 11](#) [m 1](#) [crown](#)

NEM - MALAYSIAN BASED BLOCKCHAIN

		Total	MktCap	Liquidity	Developer	Community	Public Interest	Last 7 Days					
Rank	Coin	%	Value	Value	%	★	Value	%	Value	%	Value	Value	
16	LBRY Credits	53 + 0.6	\$1,477 + 3.310%	139.65	77	208 ↑ 30 ↓ 34 ↑ 107 ↓ 5 ↑ 69	252 ↑ 11 ↓ 278	41	1157 ↑ 2 ↓ 0.02 ↑ 0	8842 ↓ 3394	35	↳ 48,800 ↑ 378400 \$0.00003348	
17	Storjcoin X	52 + 0.6	\$7,572 + 1.319%	19.06	81	137 ↑ 54 ↓ 31 ↑ 443 ↓ 421	180 ↑ 25 ↓ 29	41	1200 ↑ 4 ↓ 0.06 ↑ 0.2	2688 ↓ 10386	35	↳ 37,900 ↑ 201256 \$0.00015004	
18	BitShares	52 + 0.8	\$10,626 + 1.088%	65.70	71	133 ↑ 58 ↓ 75 ↑ 199 ↓ 58	186 ↑ 30 ↓ 30 ↑ 16 ↓ 0	41	1133 ↑ 3 ↓ 0.02 ↑ 0	7979 ↓ 5833	36	↳ 75,100 ↑ 529201 \$0.00000412	
19	NEM	52 + 0.3	\$49,606 + 2.678%	115.28	62	40 ↑ 36 ↓ 30 ↑ 316 ↓ 215	82 ↑ 16 ↓ 16 ↑ 0	33	171 ↑ 2 ↓ 0 ↑ 0	2371 ↓ 3083	38	↳ 318,000 ↑ 253353 \$0.00000551	
20	Lumens	51 + 1	\$16,603 + 1.524%	78.61	60	271 ↑ 49 ↓ 64 ↑ 112 ↓ 50	68 ↑ 14 ↓ 14 ↑ 0	40	789 ↑ 3 ↓ 0.06 ↑ 0.2	4970 ↓ 8358	41	↳ 379,000 ↑ 316512 \$0.00000240	
21	Namecoin	51 + 0.8	\$3,526 + 2.630%	29.90	74	132 ↑ 43 ↓ 33 ↑ 31 ↓ 34	133 ↑ 28 ↓ 28 ↑ 0	41	2571 ↑ 2 ↓ 0 ↑ 0	1442 ↓ 3318	42	↳ 106,000 ↑ 1632993 \$0.00023929	
22	Vertcoin	50 + 0.1	\$1,528 + 11.306%	27.91	63	81 ↑ 49 ↓ 31 ↑ 40 ↓ 36	25 ↑ 16 ↓ 16 ↑ 0	46	4070 ↑ 3 ↓ 0.06 ↑ 0.6	2612 ↓ 25801	43	↳ 78,600 ↑ 1269033 \$0.00004637	

3 DLTs WITH OVER US\$10 BILLION MARKET CAP - 6th of June, 2017

BTC Price
\$2873.30 Nodes 11,432 Average Fee \$8.62 Last Block 15:54 (99.82% full)

Capitalization
\$101.12b Bitcoin \$47.05b Altcoins \$54.07b Dom Index 46.5%

Exchange Vol
\$3888.15m Bitcoin \$1890.45m Altcoins \$1997.70m Dom Index 48.6%



CoinCap Rankings

CoinCap API CoinCap News

Search for coins

English ▾



USD ▾

Connect With Us



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Download on the App Store

#	Name	Market Cap	Price	24hour VWAP	Available Supply	24 Hour Volume	%24hr	Trade
1	Bitcoin BTC	\$47,048,635,352	\$2873.30000000	\$2742.0318	16,374,425	\$1,890,450,000	10.72%	Buy / Sell
2	Ethereum ETH	\$23,930,986,620	\$259.41017263	\$256.0534	92,251,535	\$575,791,000	5.29%	Buy / Sell
3	Ripple XRP	\$11,232,556,807	\$0.29083543	\$0.3000	38,621,693,933	\$125,011,000	-1.96%	Buy / Sell
4	NEM XEM	\$2,092,479,530	\$0.23249773	\$0.2386	8,999,999,999	\$16,703,000	1.54%	
5	Ethereum Classic ETC	\$1,634,864,923	\$17.70521713	\$17.5683	92,338,033	\$78,275,800	3.79%	Buy / Sell
6	Litecoin LTC	\$1,575,124,243	\$30.62270557	\$31.4413	51,436,482	\$345,409,000	4.55%	Buy / Sell
7	Dash DASH	\$1,099,438,229	\$149.66341601	\$150.1535	7,346,072	\$61,954,500	2.82%	Buy / Sell
8	Stratis STRAT	\$1,047,950,186	\$10.64842107	\$0.0000	98,413,669	\$27,333,200	-2.53%	
9	Bytecoin BCN	\$767,628,358	\$0.00419502	\$0.0043	182,985,712,757	\$2,522,270	9.31%	

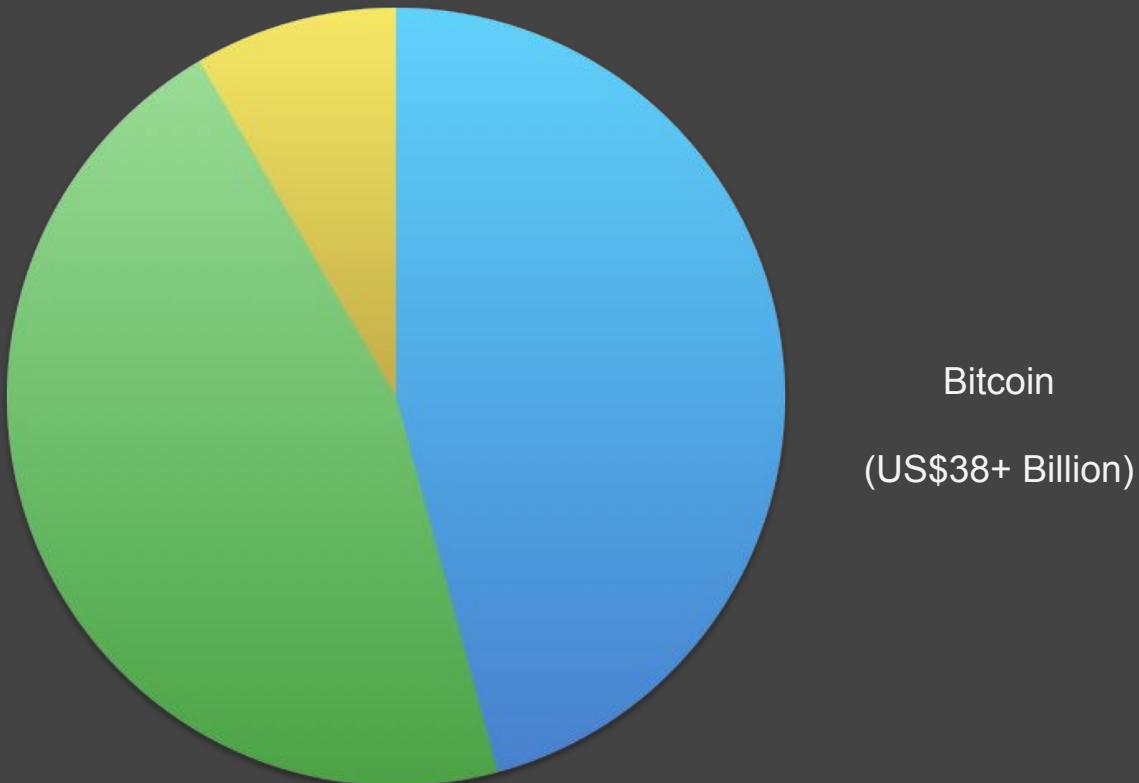
ONLY 90 DAYS AGO

Everything Else

Bitcoin



30 DAYS AGO



Other billion dollar markets:
Ethereum X 2, Ripple,
NEM, Litecoin & Dash

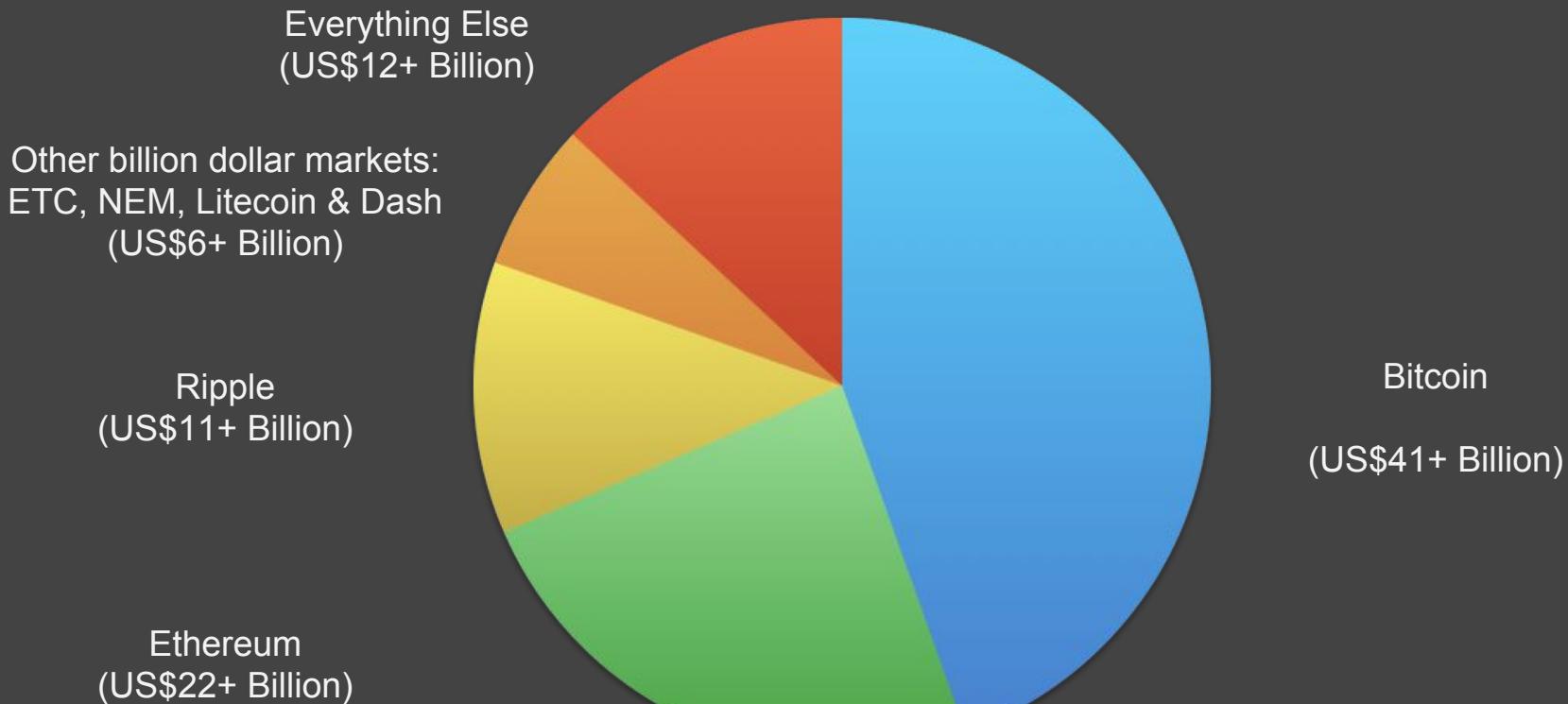
(US\$38+ Billion)

Everything Else
(US\$7+ Billion)

Bitcoin

(US\$38+ Billion)

TODAY



ETHERSCAN FOUNDED BY A MALAYSIAN - FUNDED BY DCG

Etherscan
The Ethereum Block Explorer

HOME BLOCKCHAIN ACCOUNT TOKEN CHART MISC

TOTAL SUPPLY OF 88,464,230.97 ETHER
\$10.56 @ 0.01085 BTC/ETH

LAST BLOCK 3104622 (14.40s Avg)

Hash Rate 7,786.31 GH/s

TRANSACTIONS 16160931

Network Difficulty 111.68 TH

14 day Ethereum Transaction History

Blocks

View All

Block 3104622 Mined By Ethpool_2 > 15 secs ago

3 txns IN 12 secs

Block Reward 5.00015 Ether

Block 3104621 Mined By Ethermine > 27 secs ago

5 txns IN 13 secs

Block Reward 5.00409 Ether

Block 3104620 Mined By 0x96338149e9f6c26... > 40 secs ago

4 txns IN 4 secs

Block Reward 5.000187 Ether

Block 3104619 Mined By DwarfPool > 44 secs ago

0 txns IN 20 secs

Block Reward 5 Ether

Transactions

View All

TX# 0X8C82912A90EB24422A0DD89... > 15 secs ago

From 0xea874fdde714fd9... To 0xdc17d353b01285...

Amount 1.0045803417014828 Ether

TX# 0X30803DA432AD0EC50B674EB... > 15 secs ago

From 0xf34a762291e2578... To 0x6fc82a5fe25a5cd...

Amount 0.09972424738776952 Ether

TX# 0X9F3AEC03CD8978780C11C59... > 15 secs ago

From 0x2e67179261a34b... To 0x44e9bfd5eb0651...

Amount 1.506161 Ether

TX# 0X69429B51113744361D7EF7D... > 27 secs ago

From 0xea874fdde714fd9... To 0xb2db64a2574811...

Amount 1.0055965023717969 Ether

MONEY MATCH FIRST IN MALAYSIA TO USE RIPPLE

Malaysia: MoneyMatch raises \$150k seed from Australia's Kosciuszko for forex platform



Enter Your Email

Subscribe to our newsletter



(L-R) Naysan Munusamy, Damien Santer and Fazil Fuad

USE CASES WE HAVE BEEN EXPLORING IN MALAYSIA

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 1 key

ACCOUNTING

Creation of programmable processes & automated auditing trails increase transparency & efficiency

LEGAL

Cryptographically secure document notarization, copyright protection, and dispute settlement

GOVERNANCE

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

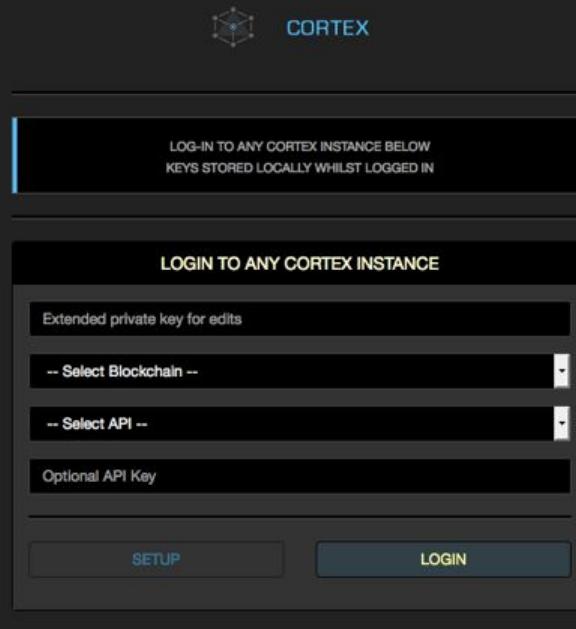
INSURANCE

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

CORTEX

GUIDED TOUR

CORTEX IS OUR BLOCKCHAIN-BASED OPERATING SYSTEM



WORKS WITH ANY BLOCKCHAIN - SUPPORTS 10 OUT OF THE BOX

 CORTEX

[dashboard](#) add domain add user add database add api key help

credits : 11.00000000 flush logout

You are currently logged-in with your private key!
Please remember to logout when you are done editing in order to remove the private key from localStorage.

YOUR PROFILE [EDIT](#)

	Name	Mark Smalley
	Title	Co-Founder & CEO
	Company	Neuroware

RECENT ACTIVITY [MORE](#)

-  Updated DNKey on mark.neuroware.io
12 seconds ago by Mark Smalley
-  Added new user johnny.neuroware.io
1 minute ago by Mark Smalley
-  New Everstore db at team.neuroware.io
3 minutes ago by Mark Smalley
-  New wallet for mark.neuroware.io
1 hour ago by Mark Smalley
-  Added new user johnny.neuroware.io
2 days ago by Mark Smalley
-  New Everstore db at team.neuroware.io
3 weeks ago by Mark Smalley
-  New DNKey on keys.neuroware.io
3 month ago by Mark Smalley

CURRENT USAGE [REPORTS](#)

Domains	3 / 10
Sub-Domains	64 / 100
User Accounts	5 / 10
Databases	72 / 100
Active Modules	2 / 7
Active Protocols	3 / 8

DOMAINS

USERS

DATABASES

API

EXPLORER

WALLET

SETTINGS

MANAGE DOMAIN NAMES FOR KEY ABSTRACTION SERVICES

The screenshot shows the CORTEX web application interface. On the left is a vertical sidebar with icons and labels: DASHBOARD, DOMAINS (selected), USERS, DATABASES, API, EXPLORER, WALLET, and SETTINGS. The main area has a header with tabs: domains (selected), new domain, help, and buttons for credits (0.0000000), flush, and logout.

A central message box states: "You are currently logged-in with your private key! Please remember to logout when you are done editing in order to remove the private key from localStorage."

The main content area displays a list of domain records:

Key	Value
Index: Domain ID [md5]	e1f2e805608c5b56a2072e238e8b7523
Domain [string]	neuroware.io

Below this, there is a note: "2 of 2 : 2354d0cd9a746db9e9ebd4c00b5f3bb3504c9c516474bc2eec091b55d8c5adb1 (encoded 10 months ago)" followed by another table:

Path	Value
[323335346, 430636439, 613734366, 462396539, 656264346, 330306235, 663362623, 335303463, 396335313, 634373462, 633265656, 330393162, 353564386, 335616462, 31, 2, 1]	MD5/e1f2e805608c5b56a2072e238e8b7523

At the bottom, there is a note: "1 of 2 : bce354fb09a475c535938cb270739e30de30b68c9341d4b9990e903c6936c8 (encoded 10 months ago)" followed by another table:

Path	Value
[323335346, 430636439, 613734366, 462396539, 656264346, 330306235, 663362623, 335303463, 396335313, 634373462, 633265656, 330393162, 353564386, 335616462, 31, 2, 2]	neuroware.io

To the right, a sidebar titled "EDIT RECORD" shows the current values for the domain and its MD5 hash. A "COMMIT CHANGE" button is at the bottom.

CREATE, AUDIT AND MANAGE DISTRIBUTED USERS

The screenshot displays the CORTEX web application interface for managing users. The left sidebar contains navigation links: DASHBOARD, DOMAINS, USERS (selected), DATABASES, API, EXPLORER, WALLET, and SETTINGS. The main header includes links for users, new user, import user, help, credits (0.0000000), flush, and logout.

A central message box states: "You are currently logged-in with your private key! Please remember to logout when you are done editing in order to remove the private key from localStorage."

The main content area shows a user profile for the ID 245a9ed7c9ed5f239b03df4a39a4a459bbe6c7d02f87b7b8e5b4c6c0b03d8426. The profile details are:

Key	Value
Index: User ID [md5]	e8612b6ec287b942b9421a464c13ac95
Email Address [email]	mark@smalley.my
Name [string]	Mark Smalley
Title [string]	Co-Founder & CEO
Company [string]	Neuroware
Company URL [url]	http://neuroware.io

An "EDIT" button is available for modifying the profile.

Below the profile, an "EDIT RECORD" section is shown with a "COMMIT CHANGE" button.

The bottom section displays audit logs for the user profile:

Path	Value
[323435613, 965643763, 396564358, 632333962, 303364663, 461333961, 346134353, 962626536, 633764303, 266383762, 376238653, 562346336, 633062303, 364383432, 36, 3, 1]	MD5/e8612b6ec287b942b9421a464c13ac95

Log entries at the bottom include:

- 6 of 6 : 69bebcb991951cd9f9a8b28ca67ac9730db9d9d04a4d79d87a578b403e3b1ff (encoded 10 months ago)
- 5 of 6 : 69bebcb991951cd9f9a8b28ca67ac9730db9d9d04a4d79d87a578b403e3b1ff (encoded 10 months ago)

CREATE AND MANAGE DISTRIBUTED BLOCKCHAIN DATABASES

The screenshot displays the CORTEX blockchain database management interface. On the left is a sidebar with navigation links: DASHBOARD, DOMAINS, USERS, DATABASES (selected), API, EXPLORER, WALLET, and SETTINGS. The main header includes links for databases, new database, import database, public data directory, help, credits (11.0000000), flush, and logout.

The central area shows two database entries:

- af1850ac00bc1c42ef6bddc9c2fd...6097**
Key Value
Index: ID [ad5] 80c374f4d331e84b9618b8b68c4750ec
Name [string] Cortex v0.0.1
URL [url] http://localhost/neuroware/everstore/
- 2f9805d2f32853b9e47785225261d37f074d666fcc0f0c94c54cb9995fa4161f**
Key Value
Index: ID [ad5] abd05c4ec8b1854d52292cffcd34e75
Name [string] ATA-Plus v0.0.1
URL [url] http://localhost/neuroware/everstore/?skin=ata&logout=true

A red box highlights a message: "You are currently logged-in with your private key! Please remember to logout when you are done editing in order to remove the private key from localStorage."

To the right, there is an "ADD NEW RECORD" form with fields for ID, Name, and URL, and a COMMIT button.

CORTEX ALSO INCLUDES ITS OWN API AND DOCUMENTATION

The screenshot shows the Cortex web application interface. On the left is a vertical sidebar with icons and labels for DASHBOARD, DOMAINS, USERS, DATABASES, API, EXPLORER, WALLET, and SETTINGS. The API section is currently selected. The main content area has a header with 'api docs' and 'console' tabs, 'credits : 11.00000000', a 'flush' button, and a 'logout' button. A message at the top says 'You are currently logged-in with your private key! Please remember to logout when you are done editing in order to remove the private key from localStorage.' Below this are tabs for 'CortexJS', 'Raw API Requests', 'Everstore API', and 'BlockAuth API'. There is a search bar with a 'SEARCH' button. Two API examples are shown:

api.blocks.latest(<chain>, <count>, <callback>)

This function calls upon `spinal.neuroware.io/<chain>/blocks/latest/<count>`

The `count` variable defines how many of the latest blocks to return.

The `callback` function is called upon completing the AJAX request.

```
api.blocks.latest('btc', 5, function(blocks)
{
  console.log(blocks);
});
```

api.blocks.get(<chain>, <ids>, <callback>)

This function calls upon `spinal.neuroware.io/<chain>/block/id/<ids>`

The `ids` variable defines which blocks to return and can be a string or an array.

The `callback` function is called upon completing the AJAX request.

```
var block_ids = ['block_heights', 'and_block_hashes'];
api.blocks.get('btc', block_ids, function(blocks)
{
  console.log(blocks);
});
```

AS WELL AS A IT'S OWN BUILT-IN BLOCK-EXPLORER

COREX

explorer help

credits : 11.00000000 flush logout

DASHBOARD DOMAINS USERS DATABASES API EXPLORER WALLET SETTINGS

You are currently logged-in with your private key!
Please remember to logout when you are done editing in order to remove the private key from localStorage.

blocks transactions addresses markets graphs Search SEARCH

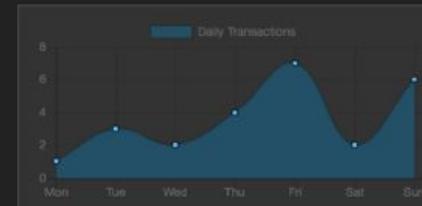
latest blocks SEE ALL BLOCKS Daily Transactions Last 7 Days

Height	Age	Transactions	Size (KB)
403,716	12 seconds ago	783	399,714
403,716	12 seconds ago	783	399,714
403,716	12 seconds ago	783	399,714
403,716	12 seconds ago	783	399,714
403,716	12 seconds ago	783	399,714

latest transactions SEE ALL TRANSACTIONS currency calculator US Dollar

Hash	Inputs	Outputs	BTC Value
30e34f2ba622b31ffa93b87f0f3d60208d8ce81033b797972b564b6aa9a5945b	7	2	0.000343518
30e34f2ba622b31ffa93b87f0f3d60208d8ce81033b797972b564b6aa9a5945b	7	2	0.000343518
30e34f2ba622b31ffa93b87f0f3d60208d8ce81033b797972b564b6aa9a5945b	7	2	0.000343518

BTC = US\$ JSON FEED market conditions



WITH GRAPH QUERIES FOR ADVANCED ANALYTICS AND TRACING

CORTEX

explorer help credits : 11.00000000 flush logout

DASHBOARD DOMAINS USERS DATABASES API EXPLORER WALLET SETTINGS

You are currently logged-in with your private key!
Please remember to logout when you are done editing in order to remove the private key from localStorage.

blocks transactions addresses markets graphs Search SEARCH

Daily Transactions Last 7 Days



Daily Transactions

Day	Daily Transactions
Mon	1
Tue	3
Wed	2
Thu	4
Fri	6
Sat	1
Sun	5

currency calculator US Dollar

BTC = US\$

market conditions JSON FEED

Statistic	Value

NOT TO MENTION INTEGRATED MULTI-CURRENCY WALLETS

The screenshot shows the CORTEX web application interface. On the left is a vertical sidebar with icons and labels for DASHBOARD, DOMAINS, USERS, DATABASES, API, EXPLORER, WALLET (highlighted in teal), and SETTINGS. The main content area has a header with 'dashboard' and other navigation links like 'add domain', 'add user', 'add database', 'add api key', and 'help'. It also shows 'credits : 10.00000000' and buttons for 'flush' and 'logout'. A message at the top says 'You are currently logged-in with your private key! Please remember to logout when you are done editing in order to remove the private key from localStorage.' Below this is a navigation bar with 'DASHBOARD', 'ACCOUNTS', 'CONTACTS', 'SEND', and 'HELP', along with a search bar. The central part of the interface is divided into two main sections: 'Recent Transactions' on the left and 'BTC > USD - Market Conditions' on the right.

Recent Transactions

1.066 Bitcoin (Testnet) to My First Wallet	21 DAYS AGO
0.01066 Bitcoin (Testnet) from My First Wallet	22 DAYS AGO
0.001 Bitcoin from My First Wallet	22 DAYS AGO
0.1066 Bitcoin (Testnet) to My First Wallet	22 DAYS AGO
0.01 Bitcoin to My First Wallet	22 DAYS AGO
14 Dogecoin to My First Wallet	22 DAYS AGO
2 Dogecoin from My First Wallet	22 DAYS AGO

BTC > USD - Market Conditions

BTC > USD - Market Conditions	
US\$ 677.06 BTC to USD Daily US\$ Sent	218,458 Daily TXs
1.4 Billion Daily US\$ Sent	2,056,343.22 Daily BTC Sent
15.7 Million BTC Discovered	10.7 Billion Market Cap US\$

ALSO ABLE TO CREATE AND MANAGE CUSTOM TOKENS

The screenshot displays the CORTEX wallet application interface, specifically the 'TOKENS' section. On the left is a vertical sidebar with icons and labels for DASHBOARD, DOMAINS, USERS, DATABASES, API, EXPLORER, WALLET, and SETTINGS. The main content area has a dark header with 'wallet', 'new wallet', 'import wallet', 'help', 'credits : 11.00000000', 'flush', and 'logout' buttons.

The 'TOKENS' tab is selected in the top navigation bar. Below it, a search bar contains the placeholder 'Search your wallet' with a magnifying glass icon.

A central section titled 'Your Tokens & Contracts' displays a message: 'These are your Ethereum based token contracts and public account credentials.' It includes three buttons: 'CREATE TOKENS', 'WATCH TOKENS', and 'CREATE ACCOUNT'. A sub-section below says 'Track existing custom tokens, create and manage token accounts - and even generate new custom token eco-systems from scratch.'

Below this is a table with columns: Token Name, Contract Address, Decimals, Symbol, Total Supply, and Actions. One row is shown for 'Neuroware Sdn Bhd' with the address '0x4AE75feE889d57d3229817565032bf428CB9b673'. The 'Actions' column for this row contains icons for edit, delete, and refresh.

At the bottom of this section are pagination controls: '10 records per page', 'Showing 1 to 1 of 1 entries', 'Previous', '1', and 'Next'.

Below this is another table with columns: Account Name, Address, Tokens, TXs, Balances, and Actions. One row is shown for 'My First Wallet' with the address '7c7eb521767083e5f73059fdbd06e77b87318bec'. The 'Tokens' column shows 'Ethereum' and 'Neuroware Sdn Bhd'. The 'Balances' column shows '1.066 ETH' and '0.01 %'. The 'Actions' column for this row contains icons for edit, delete, and refresh.

At the bottom of this second section are pagination controls: '10 records per page', 'Showing 1 to 1 of 1 entries', 'Previous', '1', and 'Next'.

WITH OPTIONAL MULTI-SIGNATURE ESCROW CONTRACTS



CORTEX

wallet new wallet import wallet help credits : 11.0000000 flush logout

DASHBOARD DOMAINS USERS DATABASES API EXPLORER WALLET SETTINGS

You are currently logged-in with your private key!
Please remember to logout when you are done editing in order to remove the private key from localStorage.

DASHBOARD ACCOUNTS CONTACTS SEND HELP TOKENS Search your wallet

Your Accounts

These are all the different accounts you have in different blockchains. More advanced filtering coming soon!

You are currently communicating with the blockchains via BlockCypher and have 1 account and 1 contact stored on this device

EXCHANGE COINS ADD NEW ACCOUNT

Account	Blockchains	Current Addresses	Balances	Actions
My First Wallet	+ ADD CHAIN		Total: US\$ 5.16	REMOVE ALL
+ ADD CONTRACT	Bitcoin (Testnet)	n2C6A7MCduFwK6GsSHfS74Yf5dOvu78YI	0.00000000	
+ ADD CONTRACT	Bitcoin	1JCGyGLHsRrNy6lUMTx9NLMNhVc9jD5xv	0.00890000	
+ ADD CONTRACT	Dogecoin	DDkUM427ZNPXsKkSG3pw1HDk32bybXshJT	9.98785433	
	Dogecoin (2 of 3)	A3VIEyhRcXdPJRkp1BAR2d4pLRdaLJG3Ma	5.00000000	

10 records per page Showing 1 to 1 of 1 entries Previous 1 Next

CAN BE EASILY EXTENDED WITH THEMES AND PLUGINS

The screenshot displays the Cortex web application interface, which is highly extensible and customizable. The left sidebar features a dark theme with various icons and labels:

- COREX** (top item)
- DASHBOARD
- DOMAINS
- USERS
- DATABASES
- API
- EXPLORER
- WALLET
- SETTINGS** (highlighted)

Below the sidebar, the main content area includes a header with navigation links: **settings**, **export**, **import**, **reset**, and **help**. On the right side of the header are **credits : 0.0000000**, a **FLUSH** button, and a **logout** button.

The central part of the interface shows a message: **You are currently logged-in with your private key!** followed by a note: **Please remember to logout when you are done editing in order to remove the private key from localStorage.**

The main workspace displays the following details:

- Dogecoin (Testnet) Blockchain / Cortex V0.0.1 / Schema / Explore**
- Credits: 0.0000000**, **FLUSH** button, and **LOGOUT** button.
- A search bar with the placeholder **search schema**.
- A table titled **Datastore: Databases [data]** with two rows of data:

Field: ID (datastore index)	
Key	ID
Type	md5
Properties	public

Field: Name	
Key	Name
Type	string
Properties	public
- An **ADD NEW DATASTORE** section with fields for **name of datastore**, **select naming type**, **DEFINE DATASTORE INDEX**, **Index Label**, **select index type**, **select index properties**, and **OPTIONAL DATASTORE FIELDS** (with fields for **Label for Field 2**, **select field type**, and **select field properties**).

At the bottom of the interface, it says **Powered by Neuware**.

SUITABLE USE CASES & SOLUTIONS POSSIBLE WITH CORTEX

- Notarization and timestamping
- Broadcasting public data
- Big data integrity checking
- Identity and authorization
- Loyalty rewards & settlement



neuroware

THANK YOU FOR YOUR TIME

please email us for more information - founders@neuroware.io