CryptoCat Coin

Whitepaper

www.cryptocat.app

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CryptoCAT Q-Coin Cyber Security Champion -The Only Battlefield Tested "Smart CAT Inc." has created "CryptoCAT Q-Coin" a very smart Hybrid Coin with "Deep Profiling " Dynamic morphing and changing from utility coin to security coin, NFT, etc. , plus all new innovations in the cryptocurrency and Cryptonomics – a FULL SPECTRUM. This is relying on the High Performance battlefield Cyber Security tested "CAT Smart XCloud" –Extreme tests 2015-2019 first time in the world!. - Please, observe the supporting documents for more details.(Korea Cyber Security International Black Hat Challenge events) .....
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Introduction

This paper is presented in two Segments as follows:

PART I: Executive Summary – A Brief Reading.
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PART I: Executive Summary

Smart Money for Smart City – CryptoCAT Q Coin

Smart cities of the world are in development globally, either from scratch or by internal migration of Mega Cities to Smart Cities. Smart Cities, by definition are equipped with smart autonomous devices which are capable of making financial and business decisions. Consequently, they need financial and monetization vehicle which is Smart Money.

Bitcoin has been reaching 60k in two weeks from 40K, predictions are: it surpasses 100K and 200K in the next short years. Crypto Currency is finally is getting globally established as the official world class monetization, and currency. Mayer of City of Miami (USA), has announced that,they will pay the Payroll using Bitcoin, also, several other major cities has announced similar plans. Country of El Salvador 's official currency is BitCoin, predictions are that countries of Ukraine and Panama will follow this trend very soon, and then the rest of the world will follow with varied but serious commitments.

JP Morgan Institutional investors prefer BitCoin over gold.(https://bitcoinmagazine.com/business/jpmorgan-bitcoin-better-inflation-hedge-than-gold). BitCoin is no longer dirty! And it does not matter how much electricity it consume.

US. A recent poll by **YouGov** has shown that that **27% of US residents supported the idea of making Bitcoin a legal tender in the United States.**

(https://www.weforum.org/agenda/2021/09/el-salvador-officially-adopts-bitcoin-as-legal-tender-but-will-other-countries-follow/#:~:text=El%20Salvador%20officially%20adopted%20Bitcoin%20as%20legal%20tender%20on%20September%207.&text=El%20Salvador%20has%20officially%20adopted,tender%20in%20the%20United%20States)

Smart Crypto City & Monetization by Smart Money NOT FIAT

11 Trillion Market by 2025, largest market on earth Smart City is a major paradigm shift: by 2025 there will be 74 Billion connected devices globally. In order to do business with each other peer-to-Peer of many-to-many, these Autonomous devices need a type of smart -machine operated and functional - Currency to operate independently on in a global Cyber orchestration. Please, not, by definition; Autonomous devices can make independent decisions.

Smart Money has to have special Technology, infrastructure and protocols – Similar to industrial automation, which is much more sophisticated than IOT and IIOT today. Today's Cryptocurrencies – Including the BitCoin and Ethereum, and all others.- Lack the ability to work inside and with "AI Autonomous Devices".

Conclusion – We are almost there !

The world is migrating toward Smart City, Smart Government, Smart Grid, Smart Hospital,...,Smart Human Life. This is a FACT! It is happening globally for real, and not just in planning or in decision making stage. However we need more development in many areas to get there. Whoever,understand the above and act in a timely fashion, will become a leader and champion in life and business in this Smart Crypto City Paradigm global movement.

Smart CAT, Inc. is posing to become the Global Leader and pioneer in the "Smart Crypto City" world.

About two decades ago, smart CAT's founder, Bruce Khavar had very early active involvement with the Smart Automation based on internet and java and predicted this evolution of Smart Crypto City. Therefore, proper innovation and technologies have been developed for such a purpose and now Smart CAT is unraveling its innovation aimed for Smart Crypto City.

Smart CAT, Inc, Entry into Smart Crypto City world

Smart Cat Inc, is bring award winning and unprecedented innovations, technologies and products to this arena as a Game Changer – not just to do a better Job, but the job that nobody else can do.

Smart CAT, Inc innovations and Game changer Paradigm shift Claims

Claim 1: CryptoCAT Q Coin is the smartest coin today and the ONLY ONE!

Claim 2: CryptoCAT Q Coin is the only Coin designed from the scratch for monetization of Smart Crypto City

Claim 3: CAT Smart XCloud. Is the only cloud today, capable of orchestrating global devices of corporations and institutions they are serving

Claim 4: OT-OCN is the most reliable, Cyber Secure, Agile, High Performance exists today.

Smart CAT, Innovations, Paradigms and Products.

Infrastructure & Paradigm

OT-OCN – Operation Technology Operation Centric Network

CAT Smart XCloud

CAT Smart "Micro" XClouds.

Infrastructure & Paradigm

CAT WebChain

CAT Web 7.0

CAT Industry 7.0

CryptoCAT Q Coin

FireCAT Q Wallet

CAT Q UFO

CAT Q NFT
CAT Q NTF
CAT Q DEX
CAT Q DeFi

Devices and Components

CAT Anubis Family
CAT Ammit Family
FireCAT Q
CAT Cyber and Multimedia Devices

Note: Please, find more details in the body of this paper, below. Additional Upcoming Smart Cat, Inc Projects

1- Make BitCoin Smart – equip with BitCoin Smart Contract abilities and more.
2- Make Etherum, capable of nativity functioning with Smart Devices.
3- Make Exciting Blockchains Devices Friendly
4- Interoperability among All DeFis and DEXes.

Crypto Revolutionary Evolutionary Paradigms

Human civilization in the last few decades has gone through several paradigm shifts: more fundamental, faster and deeper than last 5 thousand years history. Beyond industrial revolution, started in the period1760 to 1830 in England, we have gone true several and fast revolutionary evolutionary process of paradigm shifts. Jump forwarding to today, now we have Crypto Revolutionary Evolution in all aspects of life on earth. The latter includes; combined Cyber and Crypto Paradigm, which is converging to what we call "Smart City" or effectively "Smart World". This phenomena requires its own infrastructure, Science and tools of operation & trade.

Smart Crypto City Paradigm Foundations

Crypto World Evolution will bring Evolutionary changes to some fundamental functions in our daily life, science, institutions, schooling and essentially all aspects of life on earth and perhaps beyond. Some of those are the followings:

1. CryptoCosmos – the Global Smart Crypto City Space
2. CryptoConomy – Evolution of today's economy Science
3. CryptoCloud – Evolution of Clouds apt for Smart Crypto City

4. Crypto Governess – Evolution of all sorts of laws to fit new era.

Crypto CAT Q Coin, CAT Smart X Cloud, FireCAT, plus more are the the enabling mechanism for the above.

PART II: CryptoCAT Q Coin PR White Paper

Crypto World Evolution

In this white paper will demonstrate how the Crypto World Evolutionary Paradigm will bring changes to different constituent of the world as know of. For Example the recognized Science of Economy has to evolve to "CryptoConomy" – which natively understands "CryptoCurrency" . The whole business ecosystem evolves to "CryptoCosmos" which embodies all the paradigms of the past and has room for future evolutionary process. The Cloud systems which covers almost every aspect of life and business today has to evolve to "CryptoCloud", which functions inside "CryptoCosmos". In such a world Cryptocurrency is not only natural and native but also is a MUST- meaning FIAT Money is inadequate and incapable to function in the smart city as Smart Money can.

Crypto Q Coin is the most Intelligent Coin today!

Mission Statement – Smart Money for Smart City

By 2025 50-70 Billion connected devices have to have funding to do global business smart city business of 11 Trillion dollar market. – Fiat Money, Current Cryptocurrencies, like, Bit Coin, Etherum and its derivatives and others; either are not equipped with right technology to accomplish the mission, or when they attempt to do!, it will be in a VERY cumbersome and unreliable way. The reason is:initially they have not been designed for this purpose. **"CryptoCAT Q Coin" is the ONLY Coin, capable of doing business in the Smart City.** Please, observe the below internet links for facts.

FACTS: Ii is predicted that by 2025 50-70 Billion Devices will be connected globally.

41.6 billion IoT devices will be generating 79.4 petabytes of data in 2025

https://www.helpnetsecurity.com/2019/06/21/connected-iot-devices-forecast/ "courtesy of this site"

U.N.: World population to reach 8.1B in 2025
https://www.usatoday.com/story/news/world/2013/06/13/un-world-population-81-billion-2025/2420989/

The United Nations forecast

World's population will increase from 7.2 billion today to 8.1 billion in 2025.
Annual 1.7% human growth vs. 28.7% of Smart Devices CAGR - Compound Growth Rate.

Cryptonomy governs the CryptoCloud and therefore CryptoCosmos utilizing Cryptocurrency.

Monetization of the Smart World

Smart World is not just connected world by Cyber technologies, also, it has to be Autonomously smart- meaning it can make its own optimized decision using AI, vs. being programmed for everything.

Smart World, Smart Cities will be constituted and represented mostly by **Autonomous Devices (AD)** – 50-70 Plus billions of them!. AD has the ability to make - independent from human- business and operation decisions. So, Obviously to be independent, they have to be monetized ! a "Smart Crypto Currency" which can natively function inside the **Autonomous Devices (AD)** with proper immediate and accessible funding to do daily business, just like the human do- minus the delays, expense and in-accuracy and more.

CAT Smart XCloud CryptoCAT Q-COIN

CryptoCAT Q-Coin is Highly Needed in the Smart City and it is the ONLY EXISITNG SMART CITY MONETIZATION Cryptocurrency

The majority of Smart City citizen which make buy an sell decisions, will be Smart and Autonomous Devices (CryptoCosmos). Therefore, the Smart City requires Digital Cyber Economy equipped with digital currency (CryptoConomy). Hence, that the Smart Devices can comfortably trade with each other and with human

beings directly or indirectly by using Human Controlled/Owned Avatars and Smart Autonomous Devices. CryptoCAT Q-Coin at the present time is the ONLY cryptocurrency which can provide such a support due to its root in its mother paradigm OT-OCN (Operation Technology-Operation Centric Network). Today OT-OCN is in fact the only qualified technology and paradigm that can operate as the "TRUE" Next Generation Internet, the optimized and apt infrastructure for the Cyber City of the world (CryptoCosmos)

Enabling Technologies involved with CryptoCAT Q-Coin.

Enabling Technologies and components of OT-OCN Paradigm are so many, to name a few;- All the technologies below are proprietary to the CAT SMART Inc.(Patents, Trade-secrets and Copy-writes to be observed)

1 CAT OT-OCN Q-Cyber Security
2 "Real Time" CAT Smart XCloud
3 CryptoCosmos
4 CryptoConomy
5 CAT WebChain
6 CAT Web 7.0
7 CryptoCAT Q-Coin
8 CryptoCAT Q-NFT
9 FireCAT Q
10 CAT UFO
11 CAT Knowledge Engine
12 CAT Smart Platform "Contract for BitCoin"

Some Paradigm Shift & Game Changer Components: WebChain, Web 7.0 and Industry 7.0

WebChain Evolution: Next Gen Disruptive Technology & Paradigm.

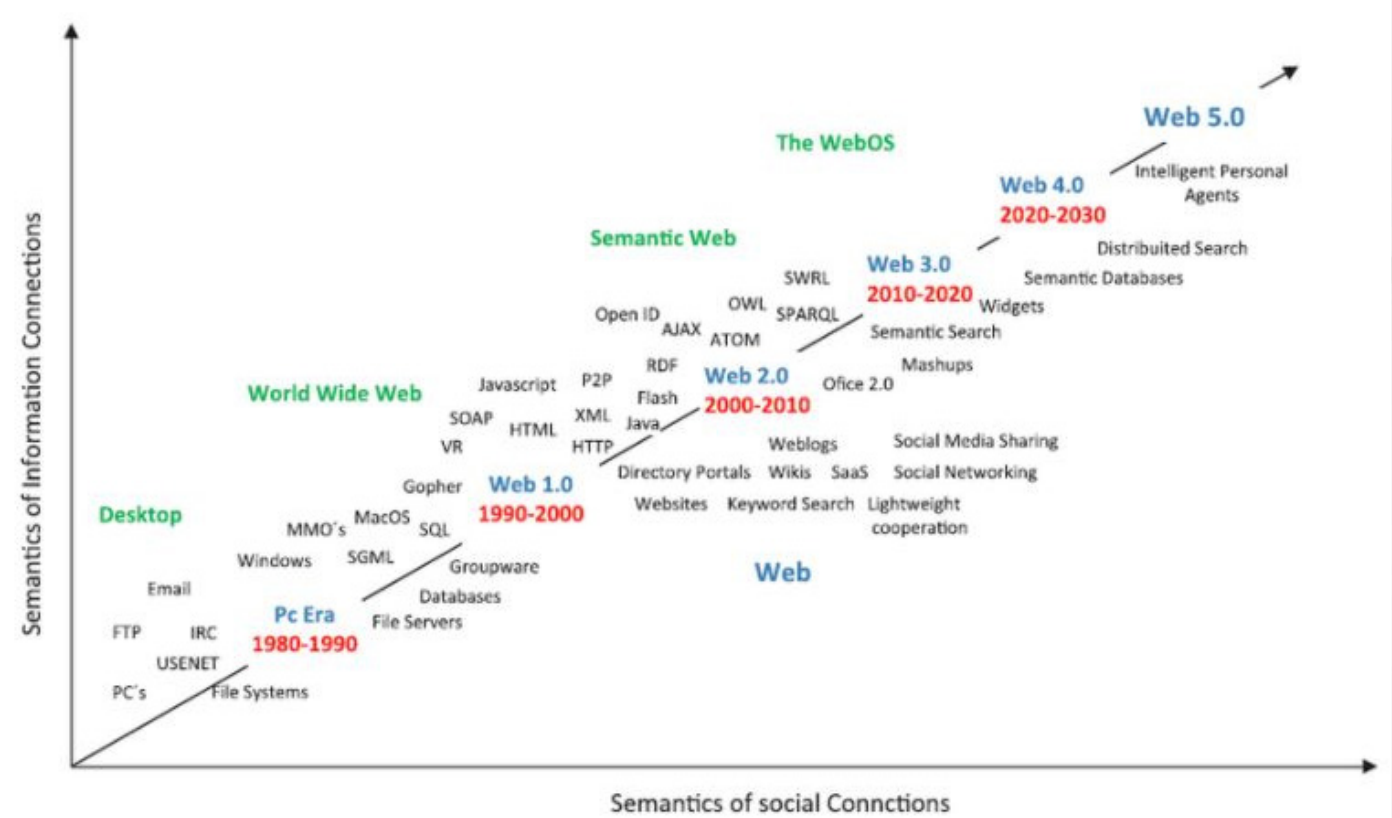
BlockChain as we know of is the foundation of the Cryptocurrency, DeFi, DEX and

derivatives ideas and implementations. There many problems with the block chain; the most important one is its performance which is way too slow and completely incapable of supporting the requirements of Smart City. Current speed of Transactions per second (tpx) for Ethernet is 12- 15 tpx and for BitCoin is 8-12 tpx, of course not all due to the blockchain lack of high performance. Smart City requires minimum of 100 millions tpx considering potentially 50-70 Billion connected devices are operating and doing business with each other globally every fraction of a second. Followings are some of the WebChain innovation benefits:

1. **WebChain** has the most advanced Architecture, designed from ground zero up for high reliability, high performance, resiliency and self healing plus highest security – proven globally 4 years in a row -2015,2017,2018, 2019 - by defeating world class "Black Hat" level hackers through a real world "Hackathon" – not a pizza party as they do in the friendly events.
2. **WebChain** has an unfair advantage over all the other blockchains. WebChain is based on the OT-OCN Paradigm vs. normal internet paradigm with thousands and countless deficiencies and holes, being discovered on daily basis – why these breaches are happening is a very long argument and discussion !
3. **WebChain** is effectively CryptoCAT Q Coin mainnet, capable of tens of millions of transactions per second in a Real World – Not like Solano, that all the stars have to line up in order to work ! And practically failed recently.
4. **WebChain** also can function as a surrogate/proxy for other blockchains, and their Cryptocurrencies to make them to interoperate as well as bring them all to a expected level of interoperability.
5. **WebChain** can also, add "Smart Contract" Ability and functionality to the coins like BitCoin and its derivatives as well as making Ethereum Smart Contract, Smarter and much more agile.
6. **WebChain** Can unify functionality DeFis
7. **WebChain** can bring a much wider scope to NFT world.

WEB 7.0 Evolution !! Smart City Enabler
http://myeltcafe.com/teach/evolution-of-web-from-1-0-to-5-0/

World Wide Web (WWW) is defined as a system of interlinked hypertext documents accessed via the internet. Anyone who has internet connection can see web pages which involve multimedia tools such as text, images or videos.



Smart CAT Introducing Web 7.0 - A Distributive Paradigm Shift

Why there is need for a Disruptive Paradigm Shift in the cloud?

Answer 1: Web 7.0 is the evolution of all the web 1-6.0, so includes all their services and offerings and absolutely ESSENTIAL for Cyber City and CryptoCosmos & CryptoConomy. Based on the dynamic operation, collaboration of human, Avatars, Autonomous devices, devices and other components, like Naural Processing language, Knowledge Engine,..., much more.

Answer 2: FACT – old distributed computing system does not handle petabyte-scale analytics well enough - this is required for today's online Cyber business and lifestyle. 50-70 Billion devices, which will increase by the rate of 17% annually

need a lot dynamic and elastic of bandwidth of all sorts to accommodate high performances in nano seconds, plus ever evolving/changing cyber world or CryptoCosmos ! This calls for a serious paradigm shift solution; fresh, capable, not bugged down with legacy problems and challenges. First answer to the prayers : CryptoCAT, WebChain and Web 7.0.

Legacy Internet CAN NOT! vs. OT-OCN NextGen Paradigm Shift CAN!

Smart City Revisited!

what is really a "smart city"? It is where, AVATARS, Smart Machines/Devices are THE Majority Citizens and make all sorts of functional and financial tasks and decisions- Note: CAT UFO Paradigm, can retrofit any dumb device to become effectively smart. These Smart Devices Require monetization or practically Smart Money, Smart Coin to trade with each other and Human proxies (Mobile Smart Phones, Smart TV, Smart House, Smart CAR,,,etc.)

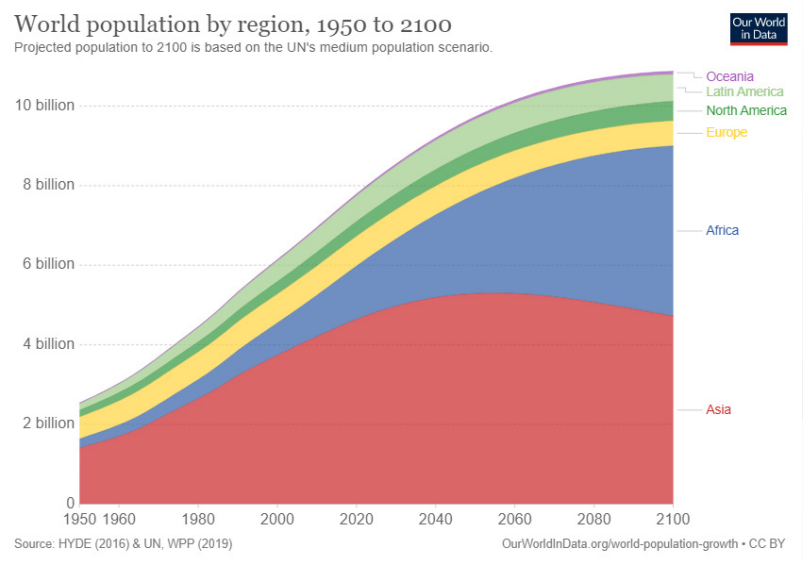
How do Autonomous Devices support and improve human Life?

Answer: they will support almost all daily activities of our normal life, providing, comfort, reliability, dependability, objectively, collaboratively and intelligently operate with multitudes of back up support with least failure – Self Dynamic Repairing.

"The United Nations forecast

World's population will increase from 7.2 billion today to 8.1 billion in 2025.

Annual 1.7% human growth vs. 28.7% of Smart Devices **CAGR - Compound Growth Rate"**



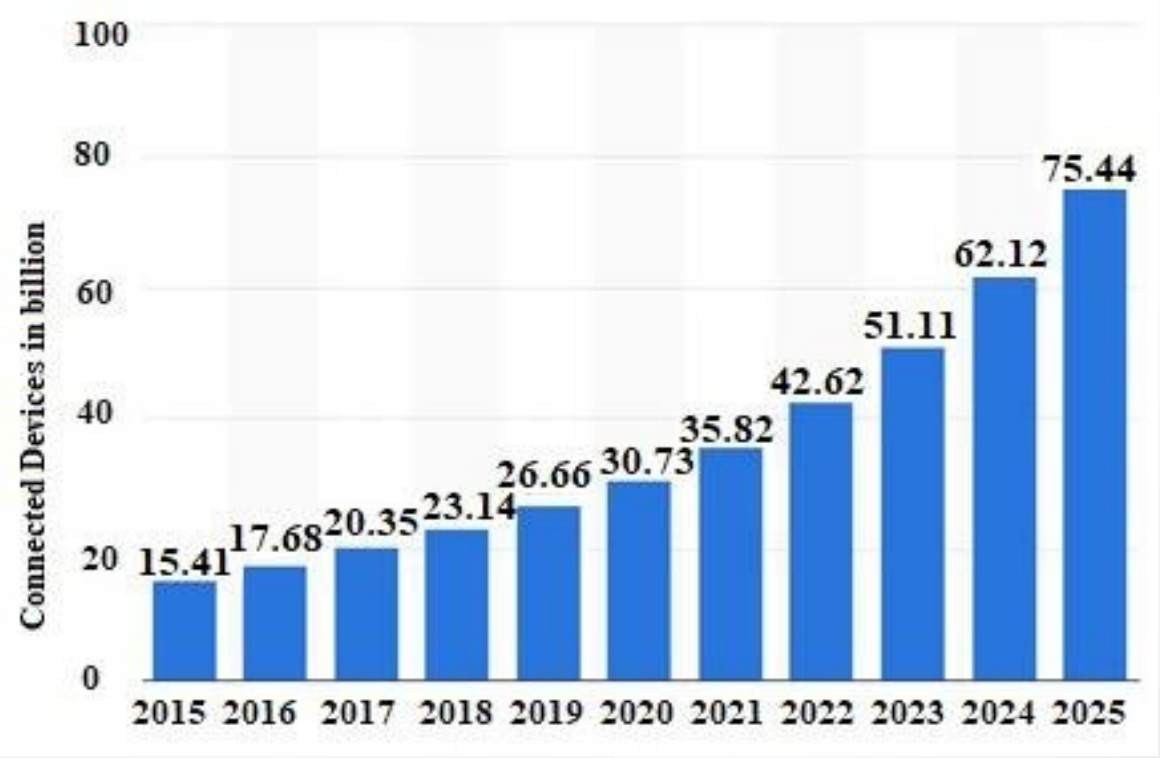
FACT I: Today's Internet Performance can not accommodate the requirements of smart city- Only real solution is a Paradigm Shift type of Internet like OT-OCN – which is globally unique at the present time.

Conclusion

By year 2025 Autonomous devices will make many global decisions of all kinds and in reality they are the majority citizens and doers of Smart Cities. Therefore, a highly salable, secure, reliable with full governance and policing is a MUST to create and orderly and expected global trade and operations by connected Autonomous devices as well as non-Autonomous devices and human which achieve such a capabilities true different attached equipment or proxies.

Internet of Things (IoT) and non-IoT active device connections worldwide from 2010 to 2025(in billions)

https://www.researchgate.net/figure/Internet-of-Things-IoT-connected-devices-from-2015-to-2025-in-billions_fig1_325645304



Context of diagram above

... the whole world is becoming more and more depending on the mobility services and wireless communication. The drawback of wireless communication is now clear as wireless networking is growing. According to statistica [20] website, by 2020, It is expected that the total number of smart devices connected together

will reach up to 50 billion. According to Siemens research, up to 2020, near about 26 billion physical objects will be connected together on the internet (See figure 1). That time is not far away when billions of physical things linked together in real time. They can communicate each other and forwarding and process required data on the cloud. But there is a lack of technical standardization security perspective on the internet of smart thing. According to Statistica [20] report, in 2025, the total number of connected devices in the world will be approximately 75.44 billion. See figure 1. The main factor of this growth is not the population of the world but the smart devices. The integrated technologies are playing big role to connect the physical things together and exchange the information among them [11], [12]. This environment where the machine can talk to another machine (Machine-to-machine) and human can talk to machine. The IoT is integration of physical things, smart devices, smart buildings, smart vehicles, embedded objects including electronics, programs, sensors, actuators and network connections to exchange information among each other [13]. The The IoT represents the interconnected physical things that are uniquely identified with sensors [4]. Many researchers moved in the area of security and reliability in IoT day by day. The reliability can be measured through smart device integrity. The IoT requires an understanding of the connectivity between devices, the development of standards for the transmission of information and tools that enable the autonomous behavior of objects according to the functions to be met and the instructions received from the network that interconnects [16]. Transport and logistics have already long incorporated these technologies, particularly to improve service delivery, and the next evolution is towards the personal and professional environment. The following is the observation that can be happen in next few yeas. IoT represents the interconnected physical things that are uniquely identified with sensors [4]. Many researchers moved in the area of security and reliability in IoT day by day. The reliability can be measured through smart device integrity. The IoT requires an understanding of the connectivity between devices, the development of standards for the transmission of information and tools that enable the autonomous behavior of objects according to the functions to be met and the instructions received from the network that interconnects [16]. Transport and logistics have already long incorporated these technologies, particularly to improve service delivery, and the next evolution is towards the personal and professional environment. The following is the observation that can be happen in next few ...

FACT II -CryptoCAT Q-Coin is a game changer and disruptive Paradigm

" Besides CryptoCAT Q-Coin NONE OF TODAY'S CRYPTO Coins can satisfy Smart City Needs!!! Due to the servicing limitations of Today's blockchain". CryptoCAT Q-Coin uses WebChain!!

FACT III

CryptoCAT Q-Coin(Quantum Coin) is a globally SECURE connected coin on CAT Smart

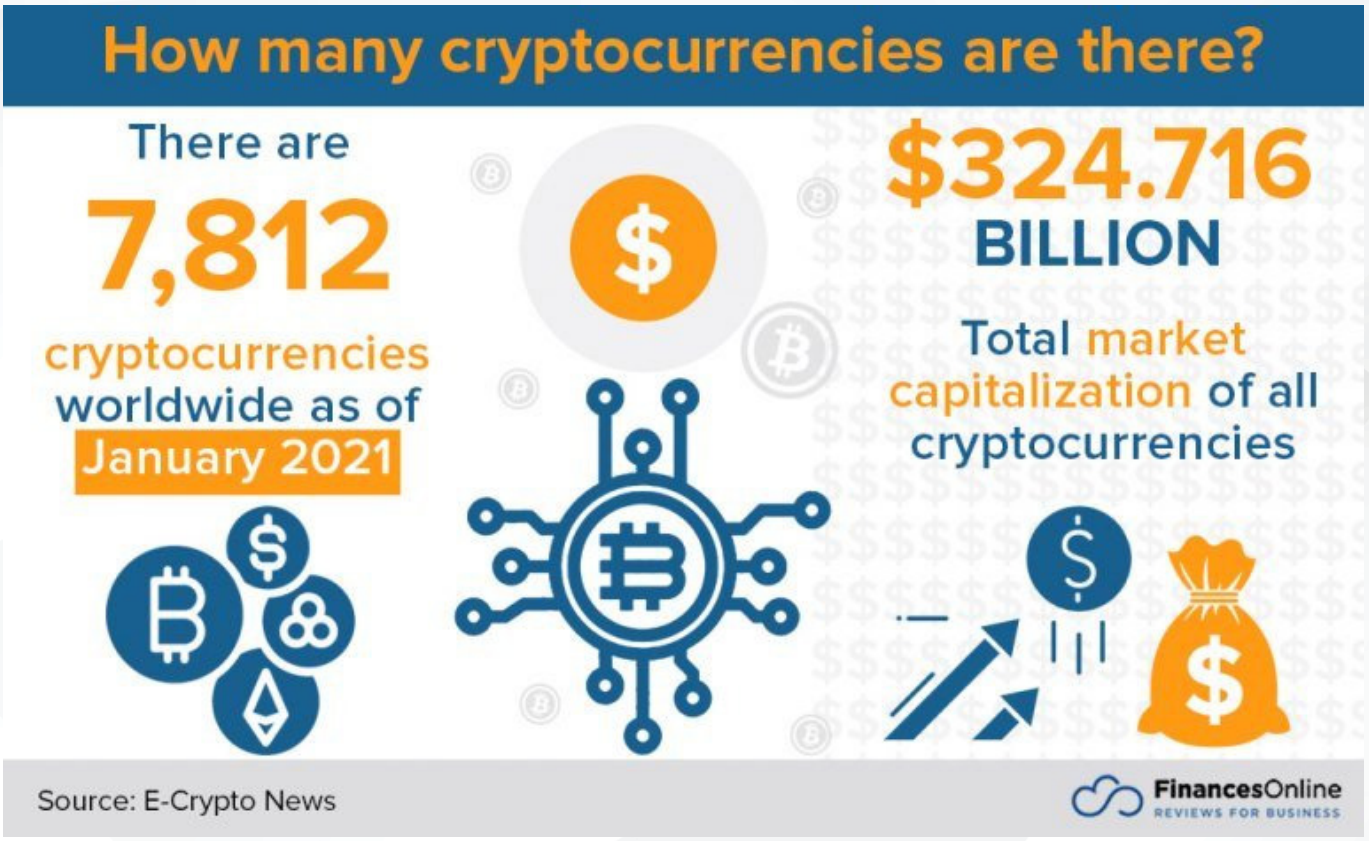
FACT IV

CAT SMART XCloud - The ONLY TRIED AND TESTED CLOUD FOR CYBER ATTACKS plus, many other unprecedented features, like performance, End-to-End Governance, Policing, Dynamic and Elastic Bandwidth adaptions and more...

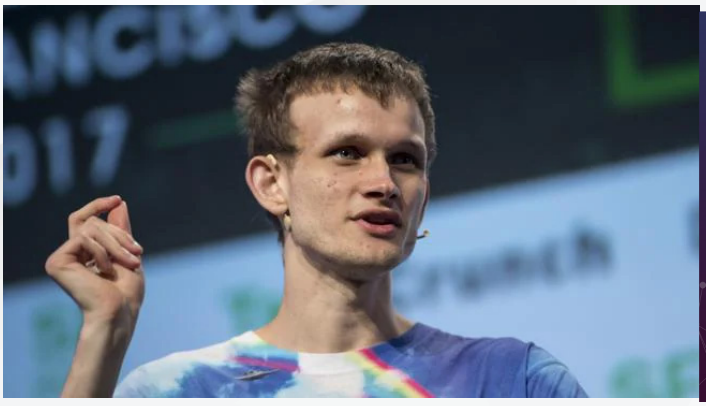
Why CryptoCAT Q-Coin is superior to ALL 7000 plus existing cryptocurrency coins and smart contracts?

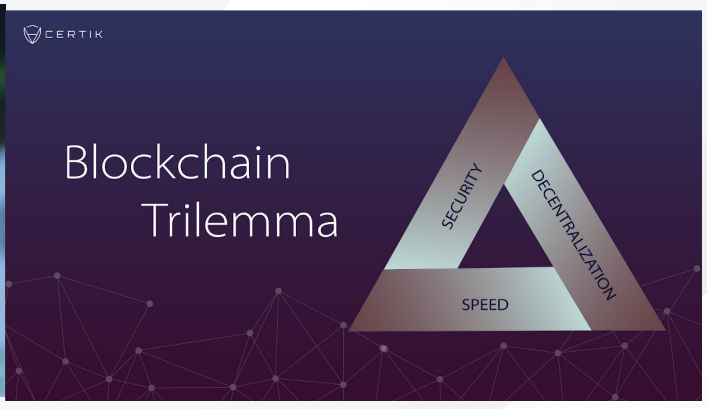
CryptoCAT Q-Coin; is based on OT-OCN paradigm, which has deep profiling dynamic systems It is utilizing some real time and dynamic aspects of CAT Smart Xcloud and OT-OCN paradigm to perform simultaneous presence in the multitude of instances of CryptoCAT Q-Coin – Similar to the Quantum Objects. In contrast with the today's coins which have to be classified rigidly as Security Coins or utility tokens. They are very Limited in Operations and usage, specially in the context of Cyber City at any given time! – including some of their hybrid coins and other ramifications. Functionality-wise and technology wise they can not do or compete with CryptoCAT Q-Coin in performance, reliability, Real Time, Governance, accountability, Security,..., more,

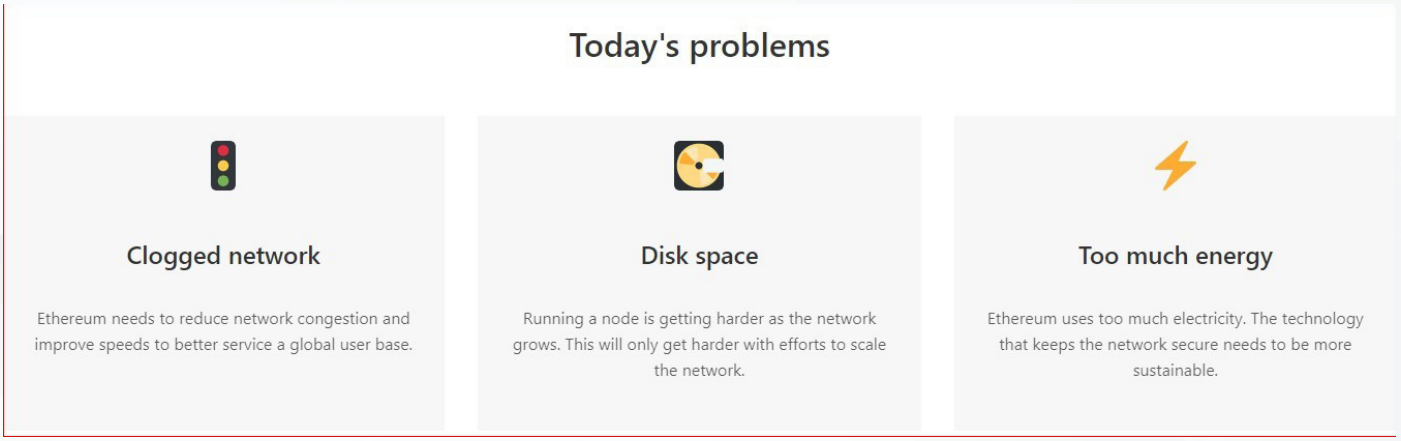
A Fresh LOOK ! # CryptoMarket Today
CryptoCAT Q-Coin will Top all of them by 2025!



Major Ethereum Challenges



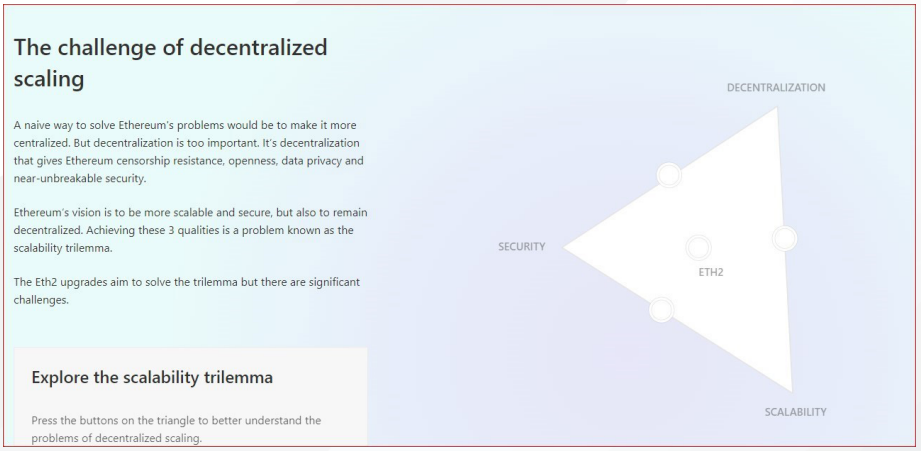




Founder of Ethereum! States Trilemma

trilemma is a phrase coined by Vitalik Buterin (founder of Ethereum) to describe that it is not possible to equally maximize the three desirable attributes that are 1-decentralization, 2-scalability, and 3- security."

Note:"When a blockchain system is called scale-able, it indicates that the system achieves a higher TPS than some existing systems through modifying its consensus mechanism and/or adjusting some system parameter(s).May 15, 2019"



The Vitalik Trilemma and CryptoCAT Solving it!;

1-Scaling ..... In other words high Performance while expanding and extending

2-Security..... Not being Security Breached

3-Decentralization .... addressing three major Points: Immutability, duplicate Transaction, Reliable consensus.

How can we Rescue Vitalik from his Trilemma!?

Vitalik has confined himself with today's concept and architecture of blockchain with limited and bounded scope of essential change whereas the solution is another disruptive paradigm shift! So, as long is he resides in the old blockchain concept, he can NOT resolve his Trilemma.

CryptoCAT Q-Coin the Savior of Trilemma

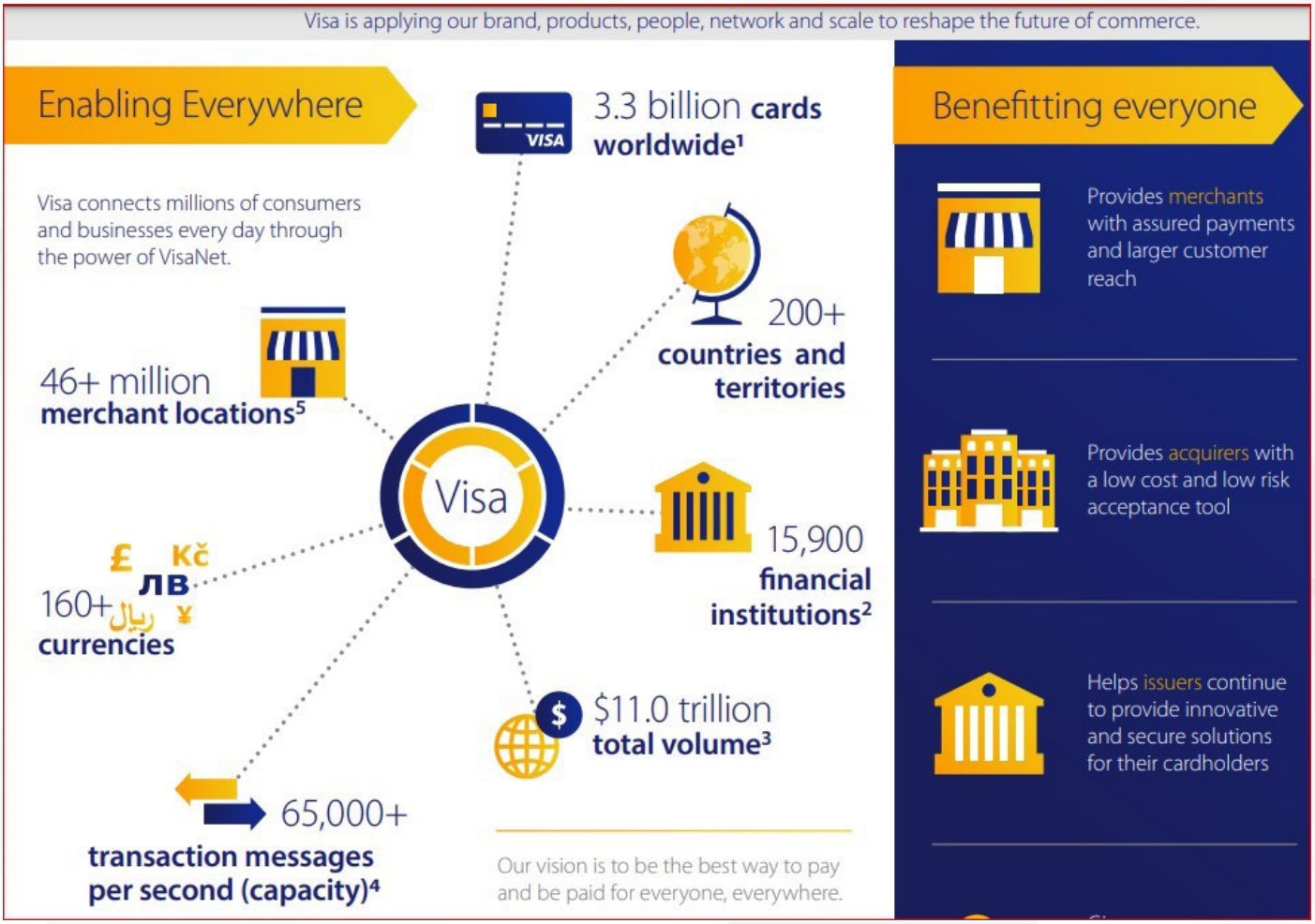
CryptoCAT Q-Coin and CryptoCosmos does not have that Trilemma or any multitude of dilemmas, due to the fundamental paradigm shift of OT-OCN Technology. As Alexander the great solved the "Gordian Knot" legendary undefeated challenge, by NOT UN-KNOTING but cutting the Knot in half with his sword.

Important Note; Current Crypto Currencies..way too slow & insufficient for Smart City.

Smart City requires much higher performance than visa card or all the credit cards combined transactions per second. Please, observe below for the visa 65000 trx vs 10s of millions trx which will be requirement of global connected smart cities.

Vista Card Performance

Observations on TPS; Visa Card (65000+ TPS), is human based operation with enormously higher TPS than, Ethernet (12-15 TPS) and Bitcoin (8-12 TPS) and most, if not practically all Cryptocurrencies; with the exception of CryptoCAT Q-Coin!! Smart City requires highly millions and billions split second TPS among 50 Billion Plus Autonomous Devices, Avatars only!!



GREAT NEWS! Trilemma is solved by CryptoCAT Q COIN.

CryptoCAT Q-Coin and OT-OCN paradigm manifested in the "CAT Smart XCloud" has practically removing the above trilemma ! The new paradigm and technology does not have any of the above contradicting issues!

More on; What are the pitfalls of today's blockchain?

FACTS ON TODAY'S BLOCKCHAINS' REAL Performances, plus capacity requirements

Today TPS (Transactions Per Second) in Bitcoin is about 8-12 TPS and Ethereum 12-16 TPS. Although there some others who claim in thousands – not proven in the real business yet! vs. Today's Visa Card TPS which is 65000 TPS. Considering visa process

handling is heavily involves human-operation speed and so very limited as individual TPS in each deal, this is not very fast!! Whereas, **by 2025 50 Billion Devices** can potentially do business with each other in a fraction of a second – **the TPS will be in multiples of 100 millions to billions and soon in trillions…. ONLY A NEW "Paradigm Shift" ARCHITECTURE** which is designed for this level of performance from ground zero level up - plus top-down design goal setting- has a chance to succeed and it is perhaps the most desired if not ONLY Solution.

Conclusion: Cryptonomics of CAT Smart XCloud (CryptoCosmos) has designed as stated above for such a purpose and beyond. Based on OT-OCN Disruptive, reliable and tested paradigm & Technology, CAT Smart XCloud and its Cryptocosmos & Cryptocurrency can accommodate comfortably the Smart Cities of the world requirements in operations and monetization.

Further expansions on "Cryptocosmos" & "Cryptocurrency" Digital Smart Economy

Cryptocosmos--It is the environment enabled with Crypto Foundations and paradigm – Not necessarily only BlockChain, but any technology which qualifies as well. It has governance, reliability, Security, Scaling, Fraud Prevention, Policing, Jailing, Destroying and Creating.

CAT Smart XCloud qualifies for the above as NextGen Internet Technology,- Universal Connected Smart & Autonomous Devices which is the Infrastructure for Cyrptoconmoy and more categories of life to come).

Cryptoconomy – Digital & Analog (Hybrid Autonomous Smart Devices), Smart Economy which creates the financial and other relevant infrastructure for Cryptocosmos. CryptoCAT Q-Coin is the enabling monetization system for this purpose.

Smart Money for Smart City, “Smart Coin”

“CryptoCAT” Q-Coin - Ultra Smart Hybrid Coin,

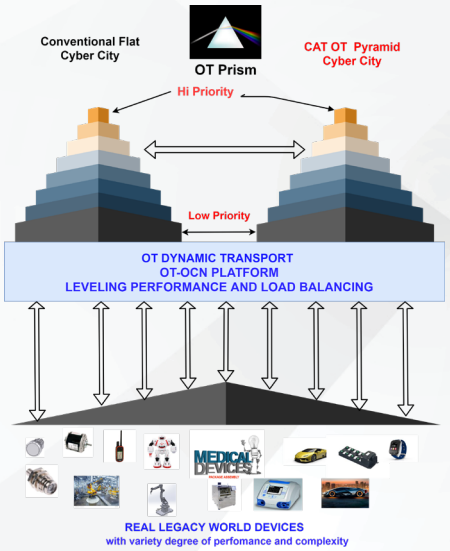
CrypotCosmos or “Smart World”!

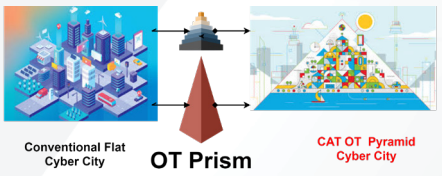
Kick Start Market Projects SMART SAFE COMMUNITY

Smart Houses/Buildings

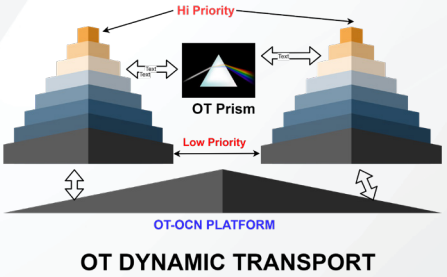
CryptoCosmos Development (C2 Development)

1. **Smart Ocean**
2. **Oceanbnb**
3. **Smart Yachts**
4. **Smart Ships**
5. **Smart Marine**
6. **Smart Ports**
7. **Smart Cargo**
8. **Smart Logistics**
9. **Smart Hotel**
10. **Smart….Everything**





What does CryptoCAT Q-Coin do?



CryptoCAT is the monetization of every action happens in the Cryptocosmos. The first implementation of this is inside “CAT Smart XCloud” which embodies and with full governance spectrum monitors & control all actions in its CryptoCosmos. It is the ONLY Cryptocurrency in the world today which can do this function. Effectively Universally - Connected Smart Autonomous Devices – Individually or grouped as system or behave like a swarm and any needed combinations and formats).

“CAT Smart XCloud” is Smart City OPIMIZED! FOR 50 Billion Plus devices and millions of TPS CAT - Smart XCloud and CryptoCosmos vs. IT Type clouds – Amazon, Azures,..,etc. CAT Smart XCloud inside CryptoCosmos Paradigm, utilizes, Spatial Cloud Computing,

and h as the ability to control and monitor; Swarm of nano/mem computers, sensors, actuators all the way up to normal devices, automation and mainframes. None of the today's famous clouds including Amazon, Azures, Cloud flare, ..,etc can do this. Because, all the latter have designed for and in IT Paradigm or simply data and its attributes like 5 chairs! (Databases, spreadsheets, HTML, XML, et). They are not suited for Industrial Paradigm the realm of Real Time

connected devices – mission critical and more- which defines CryptoCosmos.

CAT Smart XCloud Architecture

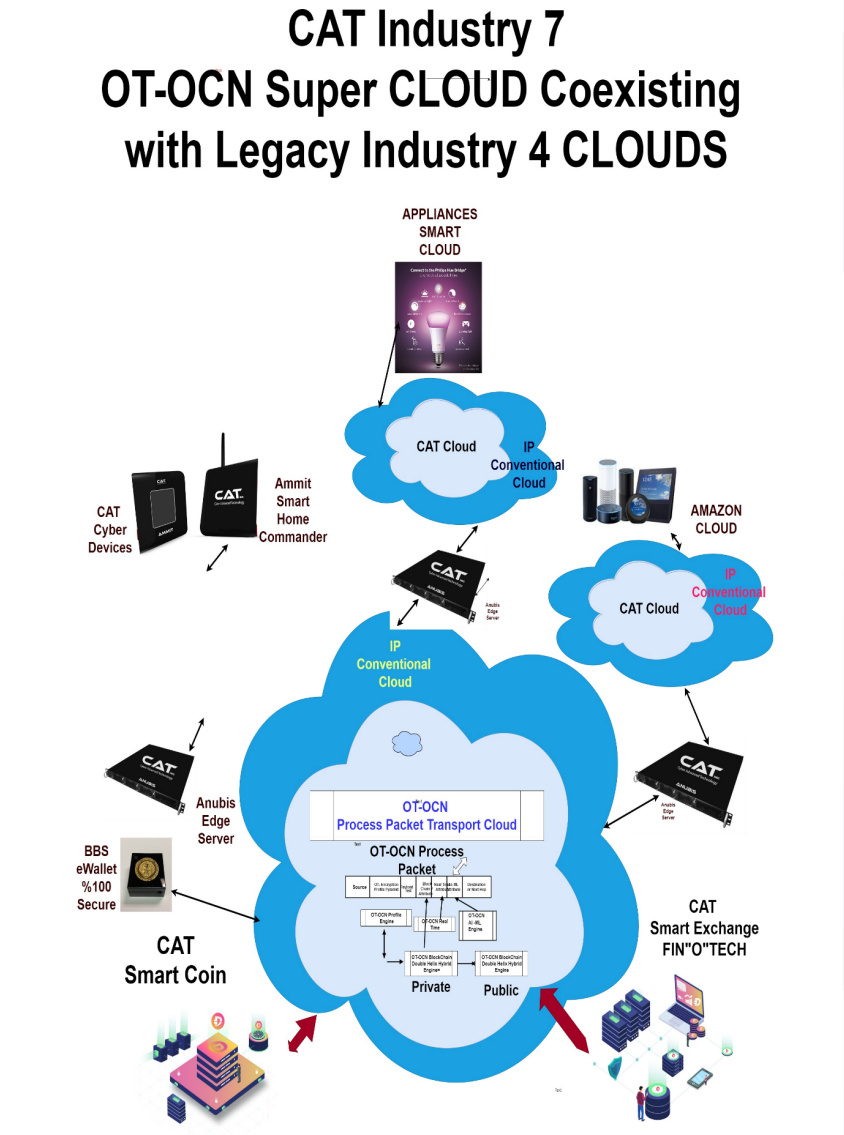
OT-Process Packet (OT PP)

OT-Proxy/Virtual Paradigm

OT-AI

OT- Knowledge Engine

OT- Crypto Engine



The basic element of computing in the OT-OCN Technology and paradigm is OT Process Packets – which has many engines for different purposes, including; Real Time, AI, WebChain and Web 7.0 (proprietary of CAT, conventionally we have Web 1.0-5.0) which is about "Linked Operations". The above technologies, satisfies many aspects of blockchain in a much superior and high performance way, while addressing and solving the Vitalik Trilemma as well – Decentralization, consensus, Provenance, Immutability, Finality, Duplicate Prevention, Scaling, Security and more. Specially in the coin minting aspect which is done through AI and Inside Secure Zone of Chips with no -need for BitCoin Type or Ethernet Type mining (this will be available in the phase II, targeted and Q3 2022).

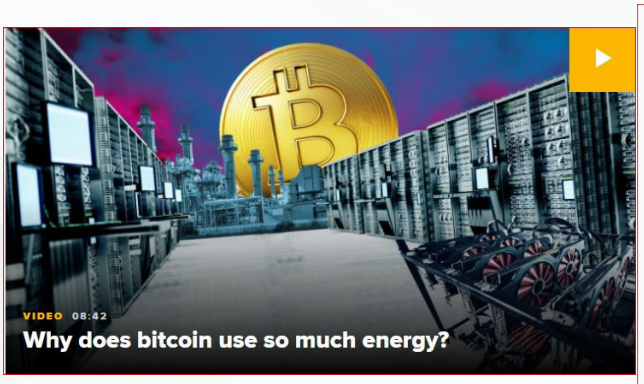
BitCoin brief history and significance Pros with defects

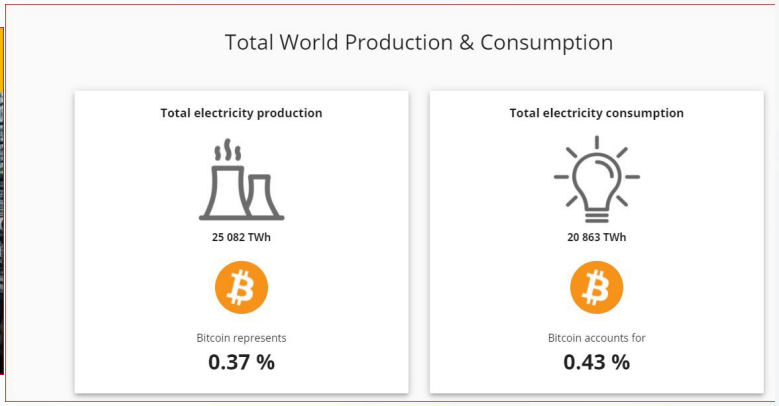
Bitcoin finally became as part of the global financial institutions, accepted by the governments, global banks, companies,...etc. So, BitCoin and therefore, Cryptocurrency is here to stay.

The most significant aspect of BitCoin is the "Decentralized Automated Computing or Blockchain" which was manifested in BitCoin as a tangible product. Regardless of its other claimed characteristics like "Anonymity" (FBI proved to be not correct), and decentralization (practically not correct either, Big Time MINERS control will create centralized effect) and immutability (Potentially can be broken with Quantum Computers). It functions as a "Stored Value"... that is it, very basic!!

Bitcoin Cons Below: Evidences why BitCoin is Dirty

BTC Mining Consumes a HUGE amount of globally significant Electricity bigger than total electricity consumption of many countries!! – due to highly intensive computational operations, Artificially imposed by the inventors of BTC and other similar mining oriented coins. They could simply have system of different coin creation or "Minting". Their required electricity is globally significant – 0.43% consumption of the world electricity production and more than electricity consumption of countries like: Philippines and Ksagistan and more..(see below).





General Miss Conception on Mining coins

Generating coins and mining coins are two separate issues, first coins has to get minted(issues/created) while Mining of any kind is artificially created for the purposes of those specific class of coins, Bitcoin, Ether, ...,etc. Therefore, the mining type of cryptocurrency is intentionally designed to become effectively electricity "black hole". So, somehow in different degrees they are all NOT GREEN and are DIRTY. Where as CryptoCAT Q-COIN and WebChain, taking advantage of advance proprietary and innovative and technologies utilized and created are GREEN AND CLEAN, plus; Secure (Cyber and Non-Cyber), Efficient, Accountable with End-to-End "Predictable and controllable" Governance.

CryptoCAT is COMPLETELY CLEAN AND GREEN (Phase II)

CryptoCAT Q-Coin has Unfair Advantage ! OT-OCN Unique Paradigm

Mining

CryptoCAT coins are Hybrid NextGen Cryptocurrency coins and generated with governance which have all functional characteristics of other Cryptocurrencies and No Need for conventional today's mining. Very highly efficient normal computing.

Anonymity & Confidentiality - Expressed as confidentiality & Anonymity (optional) with no conflict with local laws)

Immutability : An automated built-in security engine embedded deep in the secret hardware achieves the same results minus all actual and practical impairment causing business defects of this feature.

Security: is a BIG Issue

Bit Coin/Etherum Blockchain can be secure but the rest of the system IS NOT! CryptoCAT & CAT Smart XCloud have proven bullet proof CyberSecurity End-to-End performance & Security ability reliance vs. Others with only blockchain at the best.

CAT Smart XCloud – Super Secure & High Performance

A Real Time CAT Smart XCloud is superior to all existing Clouds -None Can Handle Real-time (Industrially high performance and Reliable Quality not Just Interactive)

CAT SMART XCloud its components the **CAT Smart Micro XClouds**, are the next generation internet paradigm based on OT-OCN Technologies. It also, co-exists very nicely with existing clouds and enhances their native capabilities. They have many important engines including: Crypto Engine, Real Time Engine and Knowledge Engine which makes a global performance, reliability, load balancing and elasticity, security and many other aspects possible.

SMART CRYPTOCOSMOS PLATFORM

4.1 Definition

CryptoCosmos supports the following attributes, plus more.

Scalability

I An environment where various business areas are interconnected (a Super Smart Cloud)

Stability

II Prevents crashes and clashes

Speed (TPS)

III Guarantees steady speed in handling tasks. Dynamically adaptable to the instant requirements through OT-OCN Technology, Paradigm and Revolutionary/ Evolutionary Architecture.

CyberCity, Smart City Global Vision and Progress and requirement

Cyber cities are progressing globally. It's not based on opinion or vision anymore but being developed around world continuously everyday. It's a fact and globally happening now. Smart Money and Smart Cities require what we call **"Cryptocosmos with built-in Cryptocurrency".** The latter is composed of cyber smart world, crypto paradigm and bullet proof Cyber Security. Such an environment requires an End-to-End Reliable platform. There are some false assumptions which are exposed below:

1 our current internet is a platform – it is not because it is not a real End-to-End system with governance, traceability, reliability and dynamic performance. A lot of coordination globally has to take place for any of the above to be accomplished for a short period of time.

2 IoT today is the device paradigm for the Industrial Internet and Smart City; IOT has tons of problems and challenges well beyond the scope of this whitewater

3 TCP/IP & Industry 4.0: is the main and very important protocol for today's CyberCity design globally. Again just like above – too Big to discuss here, but it has failed and continuously failing in many aspects including Cyber Security. The google and some others try to do the patch work which is NOT The Reliable Solution.

4 High Performance can get achieved by improving the hardware and software- No It is Not Correct- Again to Big to discuss here, but the solution is a disruptive

new paradigm with no baggage and problems of the TCP/IP.

5 Solution and very important conclusion

6 "CAT Smart XCloud" uses the OT-OCN platform which has the needed dynamics with built-in load balancing for every action and thing in the Cryptocosmos. Action requires energy and monetization (logistic, money, and support). Energy is NOT infinite. Therefore, you have to have load balancing to maintain a healthy operation by providing the right support at the right time. The current Internet is disqualified to the platform for cyber cities because, it is NOT ONE System and it is made up of millions of fragmented systems. It is unreliably connected, has crucial security holes and has NO Governance and Policing and more. Without the above services and attributes, Internet cannot regulate its environment and function as a PLATFORM for Smart City and ultimately for the Smart World.

7 years alone! Now that we have covered the Cyber Security in a Reliable Way, then, we can also take on a significant role in distributing operating profit that is made.

8 Decentralization of economic ecosystem

9 We will look out for the inflow of big capital while creating a system where participants actively supply and consume. Participants can supply everything from their daily ideas to ingenious startup items. They can also consume such shared contents in any form such as providing their short feedbacks or making investments. (*autonomous economic ecosystem)

10 Governed Decentralization of operation

11 The "Smart CAT" XCloud platform will act as an engine and is not run by certain few. We have designed the platform in a way that it is not controlled by specific few but rather evolving with the help of participants.

12 High Performance, Security and Scalability that encompasses all fronts

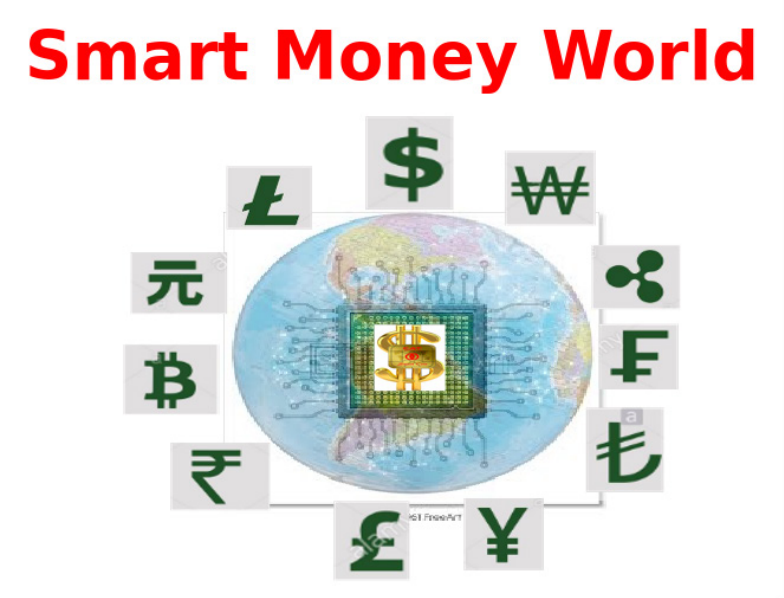
13 Some aspects of Blockchain Industry are open source that enables interpersonal transactions without centralized institutions, operators, or distributors. Figuratively speaking, the humanity has found salt in the world of food. Salt is an excellent ingredient that'll spice up our dishes. However, we must not forget that we can make an amazing dish by mixing all kinds of ingredients including salt. The blockchain market is evolving daily. There are crypto currencies specialized in certain industries. Some of them aimed to be commercialized by emphasizing practicality like cash or tangible securities, and the others were created for

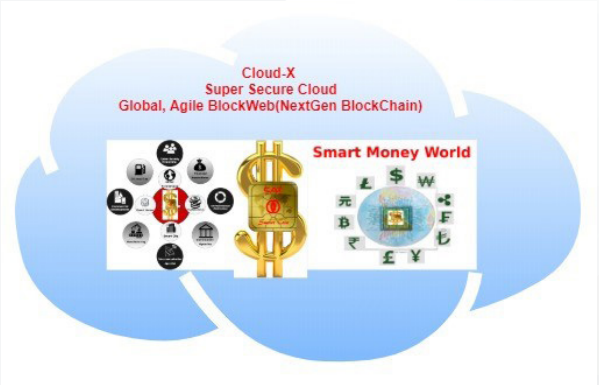
different reasons.

14 "Smart CAT" and our CryptoCAT Q-coin along with FireCAT Q-Wallet focus on High Performance, Security and scalability that encompasses all possibilities supported fully by

SMART CRYPTOCOSMOS PLATFORM

Mining is NO Issue: CryptoCAT Q-Coin is created utilizing automated embedded and secure technologies inside CAT Smart XCloud, with less than even normal IT electricity consumption due to the Very Vast Distributed Architecture of OT-OCN - the foundation for CAT Smart XCloud- No "BIT Coin" type mining being computing intensive. CAT Smart XCloud provides highly automated and efficient, fast Creation/ Minting of CryptoCAT Q-Coin with almost NO specific energy consumption for the coins to be produced unlike and reverse of BTC.





CryptoCAT Q-Coin Cyber Security Champion -
The Only Battlefield Tested

"Smart CAT Inc." has created "CryptoCAT Q-Coin" a very smart Hybrid Coin with "Deep Profiling " Dynamic morphing and changing from utility coin to security coin,

NFT, etc. , plus all new innovations in the cryptocurrency and Cryptonomics – a FULL SPECTRUM. This is relying on the High Performance battlefield Cyber Security tested "CAT Smart XCloud" –Extreme tests 2015-2019 first time in the world!. - Please, observe the supporting documents for more details.(Korea Cyber Security International Black Hat Challenge events)

CryptoCAT Going to Market: Phase I and Phase II

Phase I- Etherum ERC 1363, Plus: OT-OCN integrated, CAT Smart X Cloud
Phase II – CAT Mainnet, based on OT-OCN WebChain and Web7 Paradigm.

Phase I: Sept 2021

CryptoCAT Coin (Semi Q-Coin)

Ethereum ERC-20, ERC-1363 which will have most capabilities of all kinds; enables from Simple Bartering to complex trading NFT variations and most complex global trading. In this phase it is a Token.

Deliverable

1. CAT Smart XCloud: is available now and continuously growing with new features released every 4-6 months
2. CAT Q-Fire – Is secure Smart Wallet as well as Personal Wearable. The new version in progress- old version available

CryptoCAT Q-Coin
Phase II: Jun 2022

WebChain and OT-OCN Paradigm: will extend to Extreme Security and High Performance well beyond today's BloackChain and Mainnets which can not support millions of transactions per second(tps) needed and required by Smart Global Business World (Smart Ocean, Smart City,..., Smart xxx).

Some details:

1.1 CREATION OF " OT-OCN WebChain" ..No Need for "Side Blockchains", utilizing CAT OT-OCN NextGen Internet paradigm.

1.2 Creation of Web 7.0 based on WebChain.

ICO

Summary of the Smart Coin Offering

Coin Sale Structure:

Private Pre-Sale Start Date:	Oct 15, 2021
Private Pre-Sale End Date:	Dec 14st ,2021
Public Sale Start Date:	Dec 15, 2021
Public Sale End Date:	Jan 14th,2022
Price of Coin:	$1
Total CCAT Supply	1,500,000,000
Initial Supply	550,000, 000
Coins to be issues	%37
Total ICO Stages	3
Current ICO Stage	1
ICO Soft Cap:	NA
ICO Hard Cap:	NA
Coin Distribution Date:	Jan 15st, 2022

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Privacy

CryptoCAT (“Us, “We, or “Our”) handles the website and the CryptoCAT Blockchain and DApp Platform (“Services”).

The content below will enlighten you of the policies in relation to the collection, use and divulging of your personal information when you use our Services and the options you have related to that information.

We will keep your data privacy safe, and we will not disclose your details to any third-party organization unless compelled to do so, and if we presume it is essential.

Should you not agree to our policy, we firmly suggest that you desist from engaging our services. Otherwise, permitting our Services and providing your personal data implies that you concede and agree with the privacy policy in its entirety.

For your safety, do not expose your personal data on other platforms and online applications which are not operated and owned by CryptoCAT to avoid any cases of hideous and unlawful conduct linked to your account.

5. General Data Protection Regulation

Should you be a citizen of any country located within the European Economic Area

(EEA), we value your right for the following, as stated in the General Data Protection Regulation:

For the benefit of those who are staying in countries that are under the European Economic Area (EEA), we established our policy in accordance with the General Data Protection Regulation (GDPR).

1. Data collection

We gather some crucial data by visiting our websites, such as the internet protocol (IP) address used by the computer or mobile device, Operating system (OS), browser type and version, throughout the visit to the site, date and time of the visit, links you have clicked, and information you have presented upon registration.

We will demand your permission for the cookies on our website during the visit. Your submitted information such as name, contact details, and email address will stay private within the confines of our databases in case of any customer and technical support.

2. Data Usage

The data we collect will aid us adequately and efficiently inhibit impostor and illegal activities from occurring through our website.

3. Information sharing

At no point will we ever use your information for gain in any way by exposing it to third-party organizations and companies associated with CryptoCAT. Howbeit, we may reveal some of your personal data with others if ordered by a court or other corresponding legal proceedings.

4. Data protection

the right to be informed;

the right to access;

the right to rectification;

the right to restrict processing;

the right to data portability;

the right to object; and,

the rights in relation to automated decision making and profiling

6. Links to Other Sites

Our Services may include links to other websites that are not enrolled or handled by us. We clearly suggest you survey the site you visit. We have no control over these sites, hence, we assume no blame for any content or practices of any third-party sites or services.

7. Children's Privacy

Our services are not recommended to be utilized by any individual who is under the age of 18. Should you know someone who uses our services under the age of 18, kindly report to us so that we can take the appropriate actions.

8. Modification to this Privacy Policy

We may update our policy if presumed necessary, so we urge you to visit this page frequently. We also advise checking this privacy policy constantly for any review. Changes to this policy are potent as soon as they are posted.

9. Contact Us

If you have any questions or uncertainties about this Privacy Policy, do not hesitate to contact us.

References

[1] Gillis, Alexander (2021). What is internet of things (IoT)?.
https://internetofthingsagenda.techtarget.com/definition/Internet-of-Things-IoT

[2] Infinite Financial Intermediation, 50 Wake Forest Law Review 643 (2015)
https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2711379

[3] McLaren, Duncan; Agyeman, Julian (2015). Sharing Cities: A Case for Truly Smart and Sustainable Cities. MIT Press.
https://books.google.com/books?id=KhvLCgAAQBAJ

[4] New SEC Boss Wants More Crypto Oversight to Protect Investors. Bloomberg.
https://www.bloomberg.com/news/articles/2021-08-03/will-government-regulate-crypto-sec-chair-gary-gensler-on-bitcoin-and-oversight

[5] Bitcoin: A Peer-to-Peer Electronic Cash System
https://bitcoin.org/bitcoin.pdf

[6] What experts say about cryptocurrency, bitcoin concerns. CNBC.
https://www.cnbc.com/2021/01/09/what-experts-say-about-cryptocurrency-bitcoin-concerns.html

[7] Ethereum Whitepaper. A Next-Generation Smart Contract and Decentralized Application Platform
https://ethereum.org/en/whitepaper/

[8] Blockchain Trilemma. CoinMarketCap Alexandria.
https://coinmarketcap.com/alexandria/glossary/blockchain-trilemma

[9] Ethereum 2.0 and EOS Crossing Swords Over Scalability Supremacy. CoinTelegraph. https://cointelegraph.com/news/ethereum-20-and-eos-crossing-swords-over-scalability-supremacy

[10] Blockchain for decentralization of internet: prospects, trends, and challenges https://link.springer.com/article/10.1007%2Fs10586-021-03301-8

[11] Blockchain security: What keeps your transaction data safe? https://www.ibm.com/blogs/blockchain/2017/12/blockchain-security-what-keeps-your-transaction-data-safe/

[12] Proof-of-Work, Explained. CoinTelegraph. https://cointelegraph.com/explained/proof-of-work-explained

[13] How Much Energy Does Bitcoin Actually Consume? Harvard Business Review. https://hbr.org/2021/05/how-much-energy-does-bitcoin-actually-consume