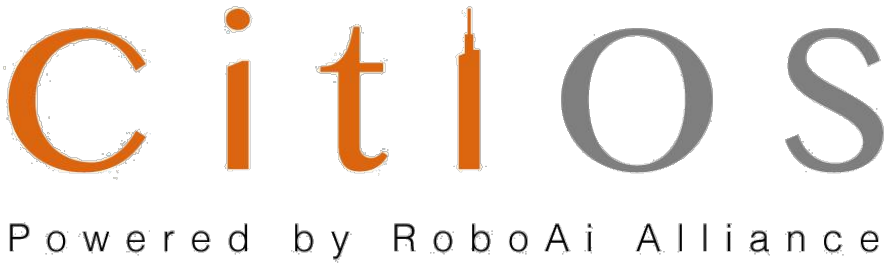
CitiOS
Powered by RoboAi Alliance

CitiOS

Powered by RoboAi Alliance

BEST SOLUTION FOR SMART CITIES

Investing in technology for a future where you can feel secure and productive in your community at all times

ABSTRACT

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CORPORATE PROFILE

Company Name： **RoboAi Inc.**

Project Name **：** **CitiOS**

Address： **Vistra Corporate Services Centre, Ground Floor NPF Building, Beach Road, Apia, Samoa**

Establishment ： **Sep 13, 2018 (#83307)**

Capital： **$1,000,000.00 USD**

Affiliate Company： **mtes Neural Networks Co., Ltd**

CitiOS holds the exclusive right to sell and market AIoT Smart Street Light produced by mtes Neural Networks Co., Ltd (Exclude Japan)

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. (b) **You are prohibited to participate in this CitiOS token Pre sale and Initial**

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(ii) changes in political, social, economic and stock or cryptocurrency market conditions, and the regulatory environment;

(iii) the risk that CitiOS may be unable or execute or implement its respective business strategies and future plans;

(iv) Changes in the availability and salaries of employees who are required by CitiOS to operate its respective businesses and operations.

CitiOS disclaims any responsibility to update any of those forward-looking statements or publicly announce any revisions to those forward-looking statements to reflect future developments, events or circumstances, even if new information becomes available or other events occur in the future

Table of Contents

1. EXECUTIVE SUMMARY

Blockchain technology has come to the aid of very many things. Every blockchain project is launched with the aim of solving a certain problem in the community. Actually, the world is rapidly adopting the use of blockchain technology and in the coming years, we could see blockchain in almost everything that we come across.

World economies and cities are now competing to use blockchain technology in making the lives of their citizens and residents respectively, more comfortable.

In line with trying to make the lives of people better, CitiOS aligns with the next paradigm transformation of the traditional cities into smart cities where the Internet of Things (IoT) devices are autonomous and able to best respond to scenarios in real time with little or no human input. Imagine of cities where everything runs smoothly without depending on the unreliable human effort.

A human can forget or at times delay in executing a certain task. But with an autonomous system in place, there will never be delays or forgetting or wring executions. The systems work according to how it is programmed. And that is what CitiOS' mission is.

To match this inevitable paradigm, CitiOS offers a system of IoT devices which is integrated with blockchain, MESH network, and a decentralized service platform. In such a system, the execution of tasks, and payments will be done in seconds. Also, it will be possible to collect and analyze data.

2. INTRODUCTION

The realization of a society that can solve environmental and energy-related issues in relation to the United Nations Sustainable Development Goals has been the focus of most countries around the world. We have seen some of the countries score higher than others in different areas and some are still a far off from achieving the set targets.

However, there is still much that needs to be done, especially by the developing countries to ensure that they are able to meet the set targets.

There are perennial challenges that affect developed countries and traditional methods of solving them seem to be bearing little fruit which might derail the attainment of sustainable development.

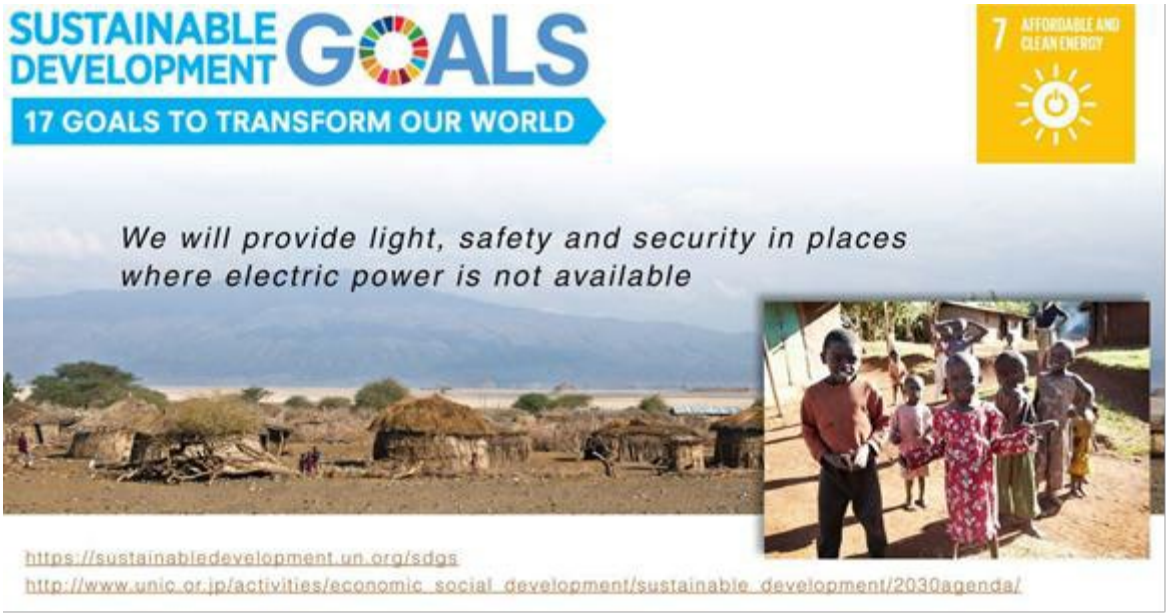
The integration of Internet of Things (IoT) with blockchain technology seems to be the only solution to solving most of these challenges.

CitiOS blockchain technology, in particular, shows great prospects in helping to solve some of these issues and actually help developing countries achieve most of the UN Sustainable Development Goals. If adopted, it could help in a number of issues especially those touching on environment, energy, and urbanization.

3. PROBLEM STATEMENT

3.1. UN Sustainable Development Goals

Many governments around the world are struggling with meeting the UN Sustainable development goals especially those touching on Universal security & safety. Most affected countries are the developing countries with Africa taking the largest share.



Though 2030 is still some years to come, there has been some sluggishness in the implementation of some of the United Nations development goals, especially in most developing countries. Most of these countries are faced with numerous challenges to a point of almost paralyzing their steps towards achieving these goals.

The most affected goals are goals number 3, 7, 9 and 11.

3.1.1. Goal 3: Healthy lives and well-being for all at all ages

According to this goal, every country was to work towards reducing the maternal mortality and neonatal mortality and also end the epidemics of communicable diseases like HIV, Tuberculosis, and Hepatitis by 2030.

Countries were also to work towards attaining good mental health, prevention, and treatment of drug and substance abuse, reduce road accident deaths, universal access to reproduction health services, and universal health coverage.

Most developed countries are well on course towards achieving these goals, but most developing countries, especially from Africa, are still a long way from making significant steps towards achieving the targets by 2030.

Goal 7: Access to affordable, reliable, sustainable and modern energy

By 2030, countries should ensure that there is universal access to affordable, reliable and modern energy services in their countries, and increase the dependability on renewable energy.

This has been a great challenge to many developing countries given the fact that most of them depend on hydro-power which is greatly affected by weather changes. It cannot be compared to the developed countries where there are more advanced sources of power like nuclear power.

3.1.2. Goal 9: Construction of robust infrastructure, promotion of sustainable industrialization and fostering of innovation

Infrastructure and industrialization is a major factor in economic development. Investing in energy, transport and irrigation systems as well as information and communication systems ensures that there is an ecological development and empowering of communities around the globe.

But this is still a challenge to most developing countries, especially in Africa.

3.1.3. Goal 11: Sustainable cities and communities

Cities normally act as centers for innovations and social development. They play a great role in helping people achieve social and economic development.

But there are a lot of challenges when it comes to maintaining cities to continue creating jobs without straining the available resources. Some of the common challenges in cities around the globe include congestion, electrification, infrastructure, and sanitation.

3.2. Natural calamities

Climate change has resulted in increased natural disasters all over the world. Earthquakes, Tsunamis and whirlwinds are becoming more and more frequent with tsunamis and flooding the following suit.

Consequently, governments have found it hard to keep track of the damages that such calamities cause especially on the infrastructures.

If an earthquake hits, it will most likely level building and bridges or any other structure within the vicinity. But in some cases, the impact of the damage may not be noticeable by naked eyes and it will need experts to analyze structured like bridges or story buildings to know if they are still safe or not after the calamity.

Also, a lot of data gathering on the impact is required so as to plan on how to handle the arising issues after the calamities.

3.3. Aging Infrastructure in cities

Most of the cities around the world have very old infrastructure and it requires some thorough investigation to find out if they are still safe or now. Structure change with time and there is normally the need for an elaborate Structural Health Monitoring (SHM) to analyze how the structure are changing with time and also give a remedy so as to solve the issues that arise thereafter like in case of a disaster.

4. MARKET ANALYSIS

4.1. Electrification in Africa

Africa's electrification rate is the lowest in the world, close to 43%. However, some countries like Kenya have in the last 2 years put tremendous effort to develop their infrastructure and reached 73% electrification rate in 2018 (compare to 56% in 2016). However, the cost of electrification infrastructure is too high of a burden for many suburbs and rural regions. The government is, therefore, looking into alternative technologies that provide a higher cost-effective replacement in comparison to a full-fledged infrastructure. As such, it is considered for a nation-wide implementation in targeted areas especially around cities and urban areas.

According to statistics, 3.5 billion people around the globe live in cities and the same is reflected in countries like Kenya.

With adequate electrification, there shall be:

- Accident prevention
- Crime prevention
- Enhance public security
- Economic activities increase
- Tourism increase

The rural communities will be benefiting the most from CitiOS street lights

5. SOLUTION

5.1. CitiOS Blockchain Technology Solution

Environmental pollution has resulted into the depletion of the natural resources and also into increased natural calamities all over the world. And with this emerging issue, a system is required to keep track of the impact of such calamities so as to help in the recovery.

Also, the world economies are getting tighter and tighter with time and societies are getting more and more desperate with time. A system is also required to help solve some of the perennial problems facing most societies especially in the developing countries.

Further still, most cities especially in the third world countries still maintain the precolonial building and infrastructure and proper analysis is needed to determine and predict if the structures are still viable or not.

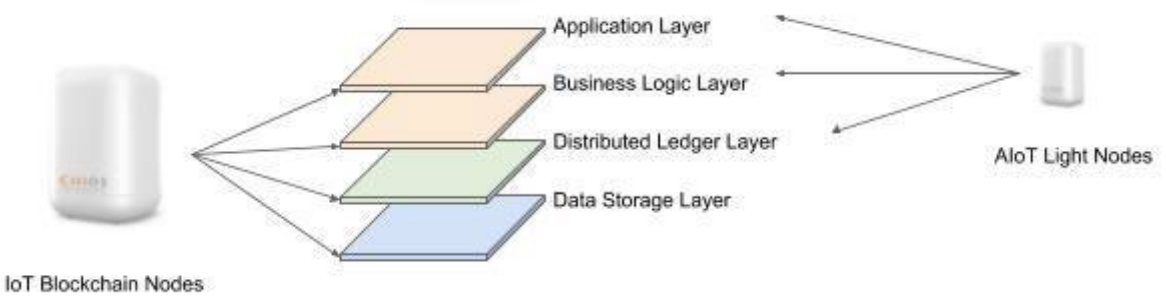
CitiOS blockchain technology holds the key to solving all these challenges hindering countries from achieving the United Nations Sustainable Development Goals. CitiOS' mission is to help societies solve environmental and energy-related issues while at the same time provide an impartial communication network for everyone in the community.

CitiOS technology is a major boost for countries towards archiving the United Nation Development Goals

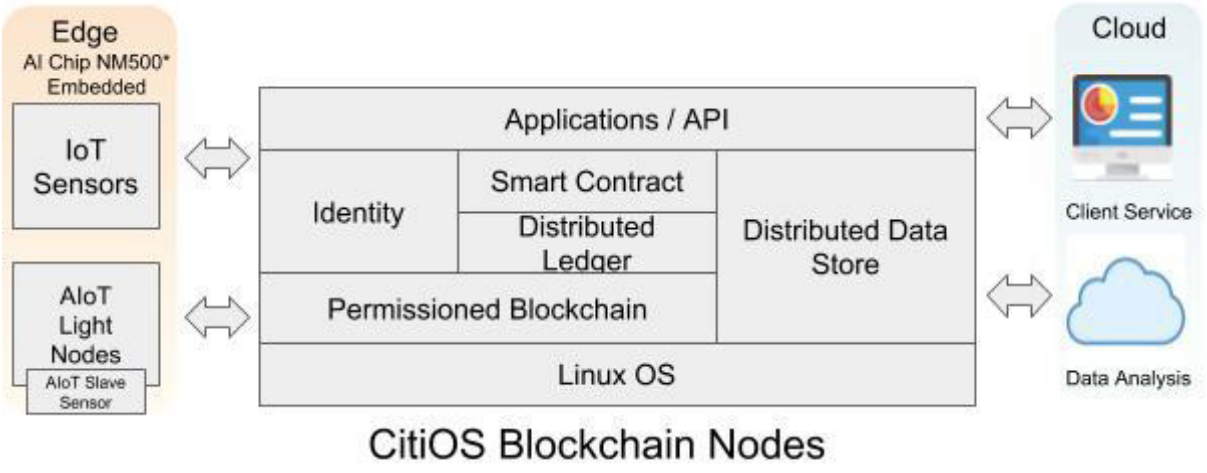
5.2. CitiOS Technology

5.2.1. Blockchain Node Type

CitiOS incorporates both blockchain technology and Internet of Things (IoT).



5.2.2. CitiOS Blockchain Software Stack

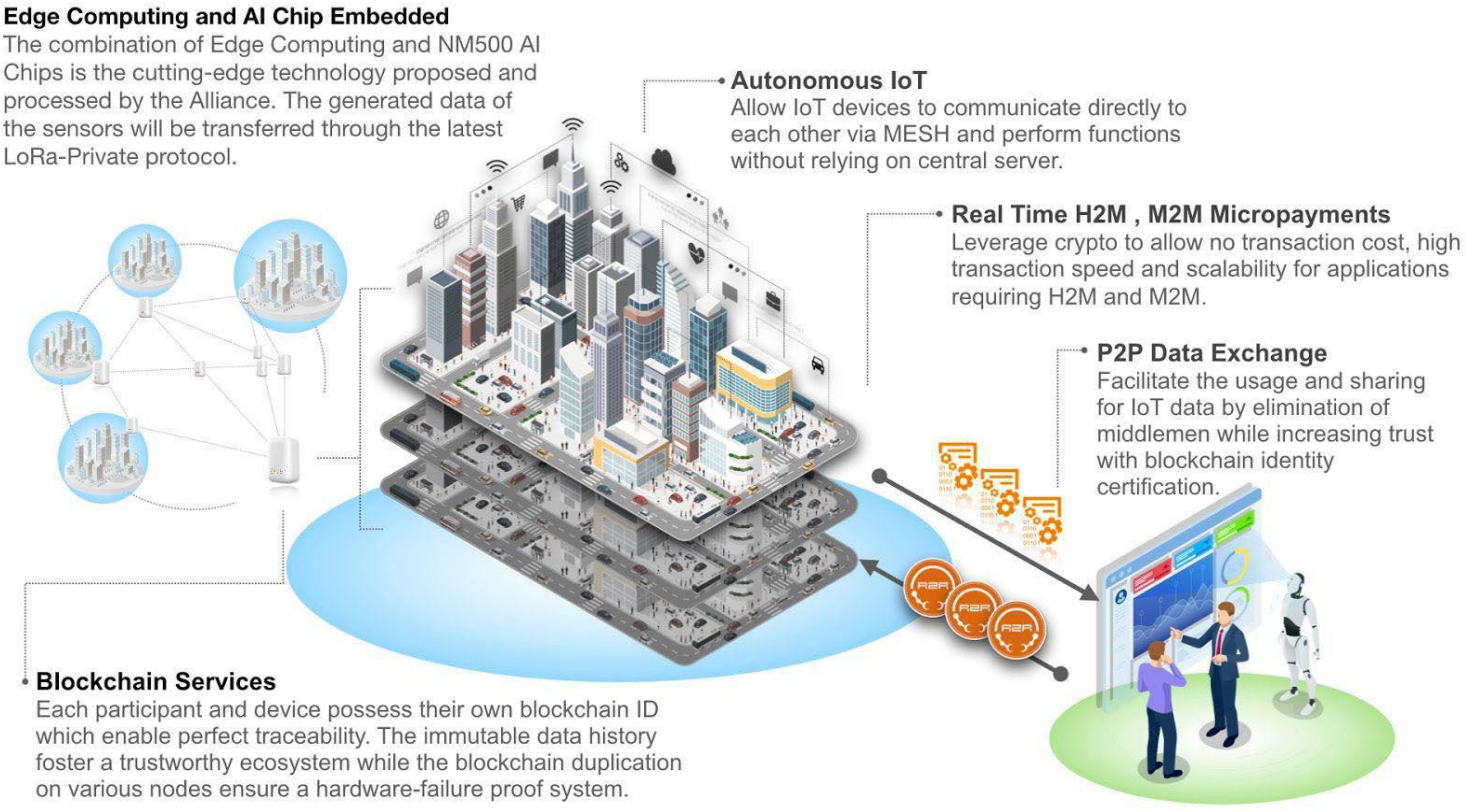


*Preliminary Detection, Analysis, and Alarming

The blockchain architecture encompass all the previous software needed to manage IoT data.

- Replaces traditional database with secure ledger technology
- Allows third-party applications to integrate with API
- Provide integrated device identity for traceability
- Run on Ethereum technology with Linux OS, no inherent cost

5.2.3. Key CitiOS Features



6. CitiOS Blockchain Applications

6.1. Structural Health Monitoring

Earthquakes and natural disasters have always been one of the biggest security concern globally. The damage to infrastructures generated by earthquakes has often caused unacceptable casualties and an irreparable loss in property value. Structural Health Monitoring (SHM) uses sensors to gather information on the condition of infrastructure. It is essential to prevent disaster, but also to offer cost-effective maintenance.

Because of the aging infrastructures, the demand for SHM is sharply increasing year after year. CitiOS Structural Health Monitoring will help to predict whether infrastructures changes in time and take necessary measures to overcome various defects. By leveraging blockchain technology, CitiOS can greatly reduce the laborious effort from manual verification of engineering, but more importantly, can save lives. CitiOS project addresses the pain-points of traditional SHM and proposes an Information-driven ecosystem at the delight of the users.

6.1.1. Comparison between traditional and CitiOS models in health monitoring

Traditional Model	CitiOS AIoT (Artificial Intelligence of Things) sensors with SHM Blockchain Model
High cost	Lower installment cost
Central Server control	Distributed AIoT architecture
Pay for hardware	Data marketplace support
Purchase contract model	Open ecosystem - more services

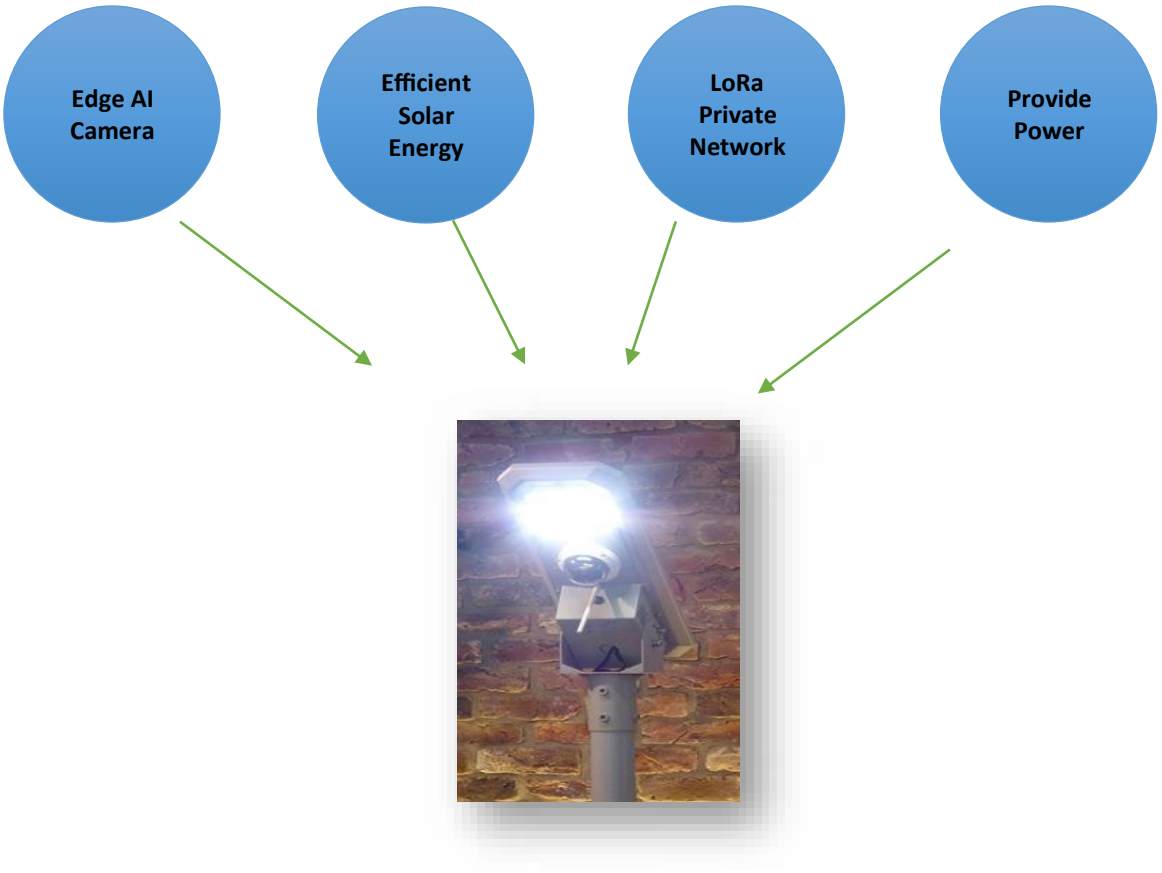
6.2. Street Lights

As a first step towards the implementation of the holistic CiTiOS projects, one partner of our alliance makes Neural Networks and has officially announced their cutting-edge AI CCTV (closed-circuit television) System which is powered by the “most efficient and advanced solar panels in the world.” The traditional 1-function street light is now giving way to AIoT street light which can be leveraged but not limited to the following scenario: alerting police of dangerous driving, alerting police in case of an accident, alerting police of suspicious behavior or burglar, notifying landlords and fire departments in case of fire outbreaks, detection of abnormal weather conditions and reporting to the meteorological authority.

CitiOS street lights are needed to record digital evidence of tremendous importance in case of crimes, accidents, and others. On the other hand, it needs to ensure privacy and tamper-proof architecture. CitiOS blockchain can respond to those issues by providing permission-based access with accountability, tamper-proof storage & auditable in case of legal mitigation. More information:

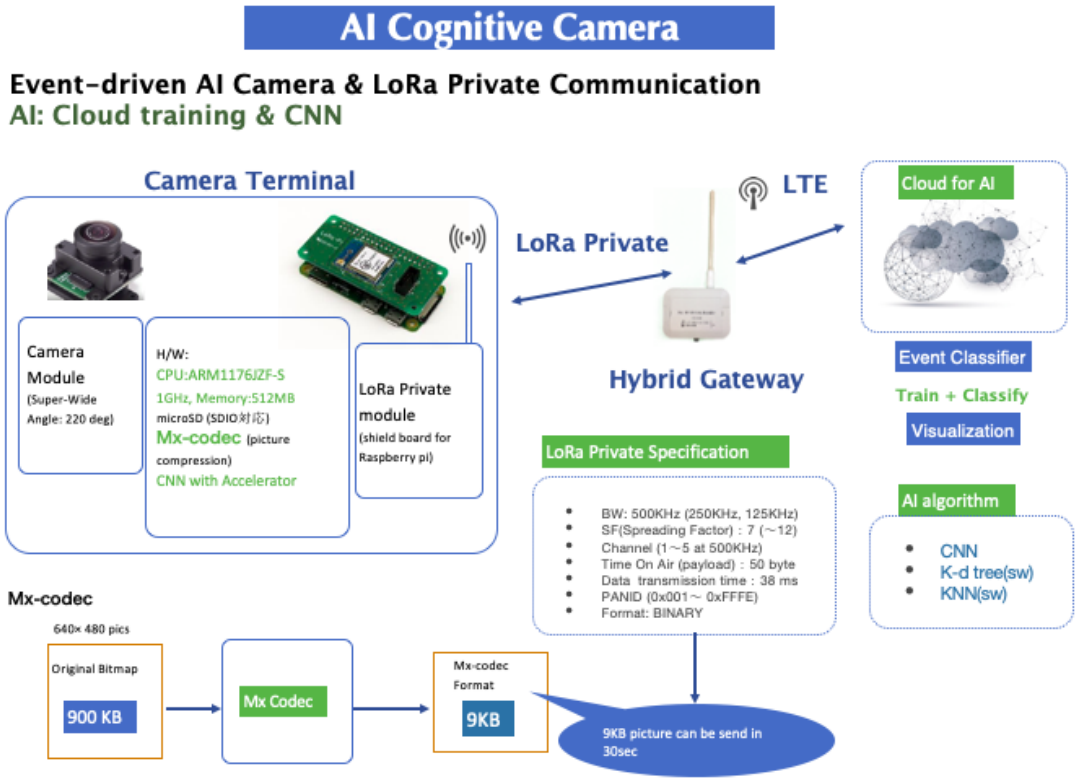
6.2.1. World’s first & most advanced

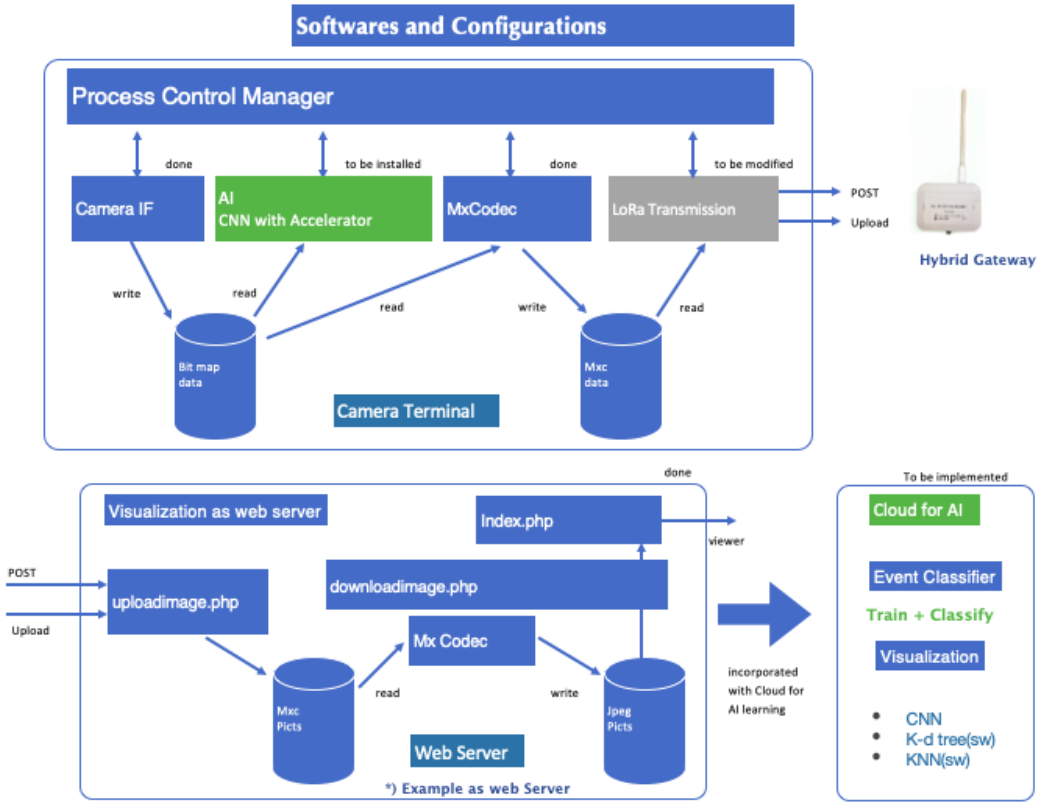
The AIoT Street Light has four main unique features. First, it has an artificial intelligence camera which can identify multiple objects at once. Second, it can solely operate by solar energy with its solar panel. The ultra-low consumption allows 90 hours of usage with only nine hours of solar charging. Third, it possesses the capability to receive signal and transfer data on its own LoRa Private Network. It also has the ability to provide wireless network. Lastly, it can provide power during emergencies or to those in need.



This all-in-one street light holds a patent for its unique combination of features and does not require network or power construction.

6.2.2. Behind the AI Technology





Product Specifications(30W)

Power

	min	type	max
Input power	33W	37W	40W
LED	27W	30W	33W
AI Camera	2.7W	3W	3.3W
Soler Battery	17.5v/19.8w	17.5v/22w	17.5v/24.2w
Battery Type	Iron Phosphate Lithium-ion Battery		
Battery Capacity	12.8v/13.5AH	12.8v/15AH	12.8v/16.5AH
Charge Time	7.2h	8h	8.8h
U S B Power Output	5v/3A		
AC Input	90v	-	240v

Lighting

	min	type	max
Temp.	4500k	5000k	5500k
Luminous Flux	3780lm	4200lm	4620lm
CRI	-	Ra>80	
Illuminance Angle	81Degrees	９０Degrees	９９Degrees

Case Material	Aluminum
Waterproof Rating	ＩＰ５５（Each module：ＩＰ６７）
Weight	8.5 kg
Dimensions	631mm×291mm×42mm

AIoT Street Light Product Line-up

LED	30W
Solar Panel	22W
Rechargeable battery	15AH
Dimensions	606x291x42 (mm)

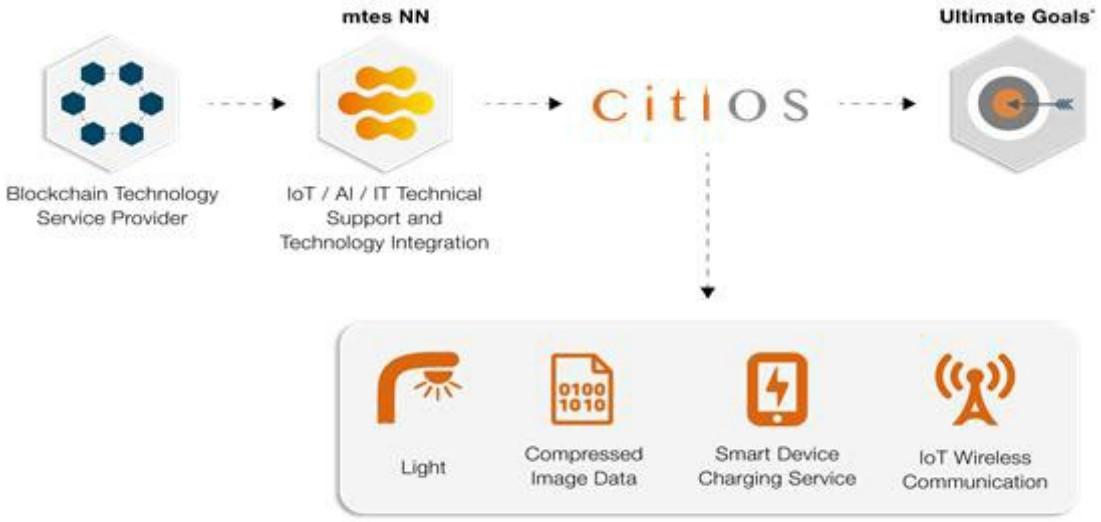
LED	60W
Solar Panel	51W
Rechargeable battery	32AH
Dimensions	999x361x42 (mm)

LED	45W
Solar Panel	40W
Rechargeable battery	24AH
Dimensions	809x361x42 (mm)

6.2.3. Low Cost, Efficient, & Reliable Monitoring System

Usually AI cameras require a large amount of electricity to run, but AIoT Street Light requires minimal electricity. Revolutionary edge computing enables high speed data processing. It solely operates on clean energy, thus satisfying the “Sustainable Development Goals (SDG)” by United Nations.

6.2.4. CitiOS: AIoT Smart Street Light with Blockchain Integration



*Ultimate Goals:

To Complement the international movement of achieving the U.N. led SDGs (Sustainable Development Goals) and integrate the factors of ESG (Environment, Social and Governance)

6.2.5. Product Utilization by Entities

Individuals – Pay for access to the nearest street light for safety

Corporation – Retain ownership of purchased street lights and provide optional access to services

City/Government- Government ownership of street lights, provide security services to civilians and option to collect data and Customize data base by inputting resources into the data system

6.2.6. Monetization on Services

Entities will be able to monetize on purchased AIoT Street Lights by retaining ownership of them, which will encourage purchase of the product from different industries. In developed countries, insurance companies can access street light cameras to obtain evidence on traffic accidents.

Cities can offer surveillance to individuals within their communities. They can even offer activity related services like checking wave conditions on specific beaches or even field conditions for sports activities.

The AIoT Street Light is customizable depending on its purpose. For airport security, criminals and potential terrorists can be uploaded to the database to prevent disasters.

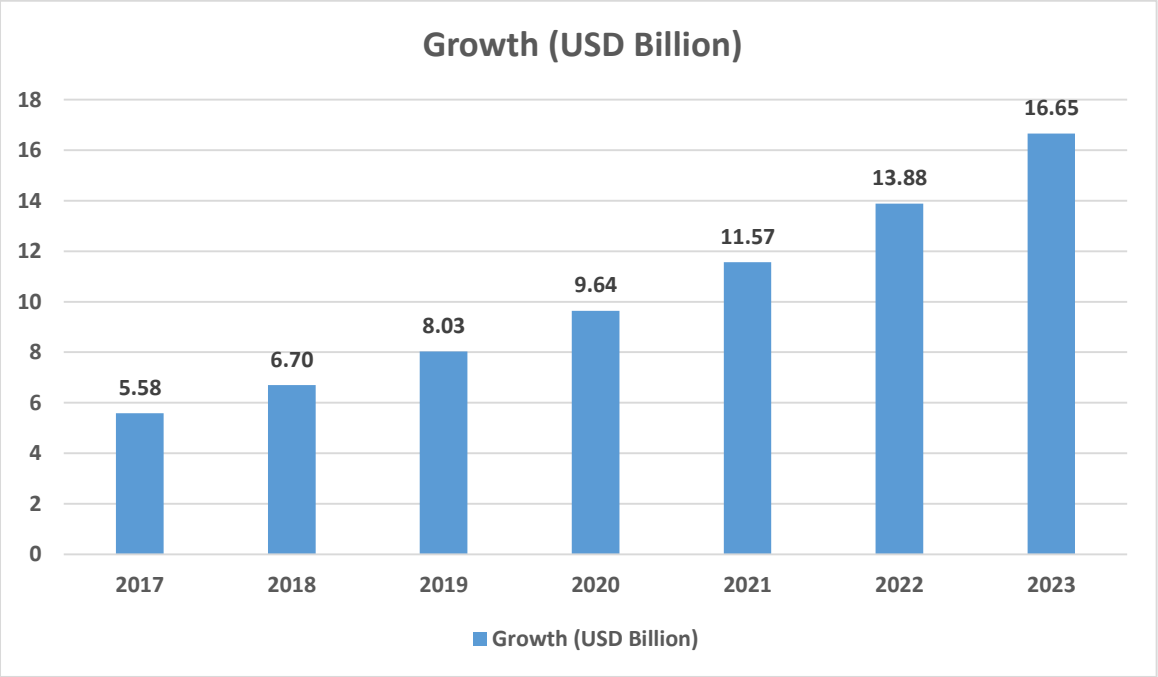
6.2.7. Comparison between traditional and CitiOS models in street lights

Traditional Model	CitiOS AIoT (Artificial Intelligence of Things) Street Lights
1 function street light	Self-Powered Easy Installation (no need to connect to electrical grid) Inexpensive Installation Cost Install anywhere Cameras are equipped AI function Digital evidences on Blockchain

7. Market Growth & Dynamics

7.1. Smart Pole Market Growth

7.1.1. Potential Growth Opportunities from 2017-2023 (CAGR 19.99%)



Overall market is expected to grow over $16B USD by 2023.

High demand for energy efficient street light system in countries with high energy cost such as Brazil, Japan, UK, Denmark, and Australia.

Component addition to existing smart pole installation is expected to accelerate growth

Some driving factors are governments' initiatives for smart cities that reduces crimes, accidents, incidents, etc.

APAC has highest market growth of 22.15% between 2017 and 2023.

7.2. AI & IoT Conversion Market

IoT will represent 83% of the entire AI chipsets market by 2023

Combination of AI and IoT market will approach $26.2B USD by 2023

Global AI market on the rise at 42% CAGR, which is expected to reach $50.8 billion USD by 2023

Networking solution with AI technology market is expected to reach $5.8 billion by 2023

AI technology will become mainstream with over 50% of the enterprise organizations implementing the technology for networking by 2023

7.3. Data Lake in the World

Global Data Lakes Market has a CAGR of 27.4%, which is expected to reach a value of $14.01B USD by 2023; valued at $3.24B USD in 2017. Deployment type are limited to Cloud and On-premise. Target industries include BFSI, Retail, Entertainment and Media, Healthcare, IT and Telecommunications and Manufacturing.

7.3.1. Security & Disaster Prevention ($18B Market)

Outdoor Cognitive Camera ($5.4B)

Natural Disaster Auto-sensing ($260M)

Indoor Facility Evacuation Order Device ($7.2B)

Since IoT Security devices are still in its developing stages, a plug-free & low consumption power with LoRa Network has a significant advantage over competitors.

7.3.2. Visual Recognition ($38B Market)

Corporate Facial Identification Systems ($2.8B)

Purchasing Behavior Analysis ($8.8B)

Low Cost Visual Recognition ($9.3B)

There is a high demand in power-less (plug-free) visual recognition systems, since majority of products operate at a higher cost.

7.4. AI & IoT Edge over Both Markets

Technology Evaluation

Majority of core features have advantage over existing competitor products

Market Needs

Each service needs are high, and market does not have many barriers for entry since technology & product has significant advantage over competitors

Competitor Analysis

Although there are similar existing services in the market, no competitor can match the cost of our product

7.5. Marketing in both Developed & Emerging Countries

7.5.1. Utilization in Developed Countries

Natural disasters are unpredictable, but the damages caused by them could be minimized depending on the first responders. A single second can make a big difference in saving lives. For example, the wildfires from California in 2018 burned more than 1.8 million acres with a total of 8,500+ fires. The fires have caused more than $3.5B (USD) in damages. Damages that can be reduced by faster response times.

We could also minimize damage by monitoring structural health to not only prevent unnecessary disasters, but also prevent loss in property value. Areas that have frequent earthquakes could prevent structural damage and better prepare for black swans.

Surveillance is always a concern. Security is a valuable factor when it comes to tourism. The AIoT Street light can monitor and detect multiple objects/people at once, which could be utilized in airports to prevent terrorist attacks. It could also be utilized in cities to monitor and prevent any type of crime.

7.5.2. Utilization in Emerging Countries

The gap between emerging countries and developed countries have been widening since technological advancement. Although technology is supposed to close the gaps and promote a rather border-free environment, but the lack of electricity limits economic activity on a both a micro and macro basis.

7.6. Potential Factor Examples: Africa

Some of the factors in consideration that gives this project a great future in terms of adoption in Africa are the facts that:

70% of the African population live within 5km of an electrical power/grid, but 1/3 do not have access to power

70% of Southern Africa population is under 30

46% have cellular phones but do not have access to power

Portable battery business is booming in Kenya

This will promote environmental safety. Stronger surveillance could increase economic expansion. Corporations that see opportunities in these countries would create/increase jobs for locals. The AIoT street lights would become the foundation for economic growth in emerging countries.

8. Developed Country Blockchain Model

Global Placement of AIoT Street Lights &
AI Camera Data will integrate with useful
data to create a more powerful blockchain

9. Market Dynamics & Growth (JP Reference)

Industry	Business	Market Share Goal			Size	Ratio	Potential Market		
		2019	2020	2021			2019	Est. Rev. USD MIL	Growth
Security Surveillance (SS)	Outdoor Cognitive Camera	2.0%	3.0%	5.0%	5469	25.7 %	6482	1665	5.8%
SS	Natural Disaster Detection	2.0%	3.0%	5.0%	260	1.2 %		79	5.8%
SS	Clip-on Camera Security	0.0%	1.0%	2.0%	5529	26.0 %		1687	5.8%
SS	Evacuation System	0.0%	1.0%	2.0%	7200	33.9 %		2196	5.8%
SS	Corporate Facial Recognition	2.0%	3.0%	5.0%	2800	13.2 %		854	5.8%
Reasoning: According Japan Security Systems Associations, hardware security accounted for around $5000M+ USD in 2016. Yano Economics Study concluded that based on the growth rate for "Risk Management Solution" in 2016 (5.8%), estimated market size for 2019 will be $5829M.									
Retail (RE)	Upper-class Detection & Info Sharing System	0.1%	0.4%	1.0%	130	0.7 %	2600	19	2.2%
RE	Low-Cost Facial Recognition Payment	0.0%	0.4%	1.0%	8800	48.3 %		1255	2.2%
RE	Purchase Behavior Analysis	0.0%	0.4%	1.0%	9300	51.0 %		1326	2.2%
Reasoning: According to Mizuho Bank, payment transaction market is over $920B, and of that 1.7% ($15B) accounts for non-contact payment. Estimating that transaction fees are at 5%, cashless market is estimated to be at $2.34B. Based on Japanese Government's "Cashless Vision" project, 18.4% of payment services will be cashless by the end of 2027, which is 2.16% every year.									
Elder Assistance Service (EAS)	Elder Monitoring	0.5%	1.0%	1.5%	72720	100 %	6838	6838	5.2%

Reasoning:
Fuji Economics' estimates "Senior/Nursing home products & services" market to be $5.8B in 2018 and $8.3B by 2025.

Entertainment (ENT)	Event Ticketing & Payment via Facial Recognition	0.0%	0.4%	1.0%	660		527	527	2.5%
ENT	Outdoor Dimming Light System	2.0%	3.0%	5.0%	2863		1197	1197	9.4%
ENT	Tokyo Olympics Relay System	0.0%	10.0%	10.0%	0.3		0.3	0.3	1.6%

Reasoning:
According to PIA Research Institute's "2018 Live Entertainment White Paper", Live Ticketing market was at $4.6B in 2017. Based on the same growth rate from 2016 (2.5%), market size predicted to be at $4.7B for 2018. Assuming transaction fees are at 5%, payment transaction market is estimated at $474M. (Event Ticketing & Payment via Facial Recognition)

Fuji Economics' "IoT Lighting Control" estimates market size at $900M at 2017, and estimates to be at $1.8B for 2025. Assuming the growth rate to be at 9.4%, market size for 2019 will be $1.07B. (Outdoor Dimming Light System)

No existing market, assuming 100% of market share, and growth rate at 1.6% (same as GDP).

Hotel Tourism (HT)	ESCO Service	1.0%	1.0%	1.0%	2570		425	425	0%
HT	Facial Recognition Lock System	0.3%	1.0%	2.0%	5460		5460	5460	3.8%

Reasoning:
Based on 2015 ESCO market, market size is unstable and assumed growth rate is at 0%.

Based on Fuji Chimera Research Institute's "Smart Home Related Domestic Market", market size is at $27.8B in 2018 and estimates to be at $36.2B in 2025. Assuming growth rate is at 3.8% (Security category within Smart Home Market is estimated to be at 17% of total according to "Smart Home Business Strategy Development Prerequisite"), 2019 market size is estimated at $4.9B.

Child Service (CS)	Child Monitoring System	0.0%	1.0%	2.0%	150	100 %	9380	9380	1.6%
Reasoning: No existing market, assuming 100% of market share, and growth rate at 1.6% (same as GDP).									
Healthcare (HC)	Medical Information Management System	0.3%	1.0%	2.0%	3200		320	320	1.6%
Reasoning: No existing market, assuming 100% of market share, and growth rate at 1.6% (same as GDP).									
Construction (CO)	IoT Structural Health Monitoring	1.0%	1.5%	2.0%	2279	100 %	391	391	1.6%
Reasoning: Based on Fuji Economics' "Next Generation Infrastructure Maintenance Management Technology & Related System Market", market is estimated to be at $220M in 2018 and $1.43B in 2030 with a growth rate of 16.9%.									

10. Financial Metrics & Goals

Industry	Market Size USD BILLION	Market Size in USD USD BILLION			Estimated Revenue USD MILLION			Estimated Net Profit USD MILLION		
		2019	2020	2021	2019	2020	2021	2019	2020	2021
SS	$19.1	$5.8	$6.1	$6.5	$34.4	$84.2	$158	$18.7	$47.0	$83.7
		CAGR %	5.8	5.8	GR %	144.8	88.7	55 Gross Profit GP%	56	53
RE	$16.4	$2.3	$2.39	$2.44	0.0	$5.7	$14.6	0.0	$2.4	$6.3
		CAGR %	2.2	2.2	GR %	57203.9	155.4	45 GP%	43	43
EAS	$65.5	$6.1	$6.4	6.8	$18.4	$38.9	$6.13	$8.2	$17.4	$26.4
		CAGR %	5.2	5.2	GR %	110.4	57.8	45 GP%	45	43
ENT	$3.1	$1.5	$1.6	$1.7	$21.5	$36.6	$67.5	$14.0	$23.5	$43.2
		CAGR %	7.2	7.3	GR %	69.6	84.6	65 GP%	64	64
HT	$16.7	$5.3	$5.49	$5.68	$12.7	$34.5	$67.5	$7.6	$21.8	$37.5
		CAGR %	3.6	3.6	GR %	171.8	95.7	60 GP%	63	56
CS	$0.13	$0.013	$0.013	$0.013	0.0	$0.09	$0.18	$0.0	$0.0	$0.09
		CAGR %	1.6	1.6	GR %	–	103.2	GP%	45	43
HC	$3.01	$0.302	$0.306	$0.311	$0.0	$0.09	$0.27	$0.0	$0.09	$0.18
		CAGR %	1.6	1.6	GR %	238.7	103.2	64 GP%	64	64
CO	$2.05	$0.352	$0.412	$0.482	$3.5	$6.2	$9.6	$1.89	$3.06	$4.77
		CAGR %	16.9	16.9	GR %			50 GP%	50	50
				Total	$90.5	$206.28	$323	$50.3	$115.2	$202.1

10.1. Domestic Market Only (JP)

10.1.1. Estimated Revenue USD (Based on Graph Above)

Year of 2019 - $90.5M

Year of 2020 - $206.28M

Year of 2021 - $323M

10.1.2. Estimated Net Profit USD

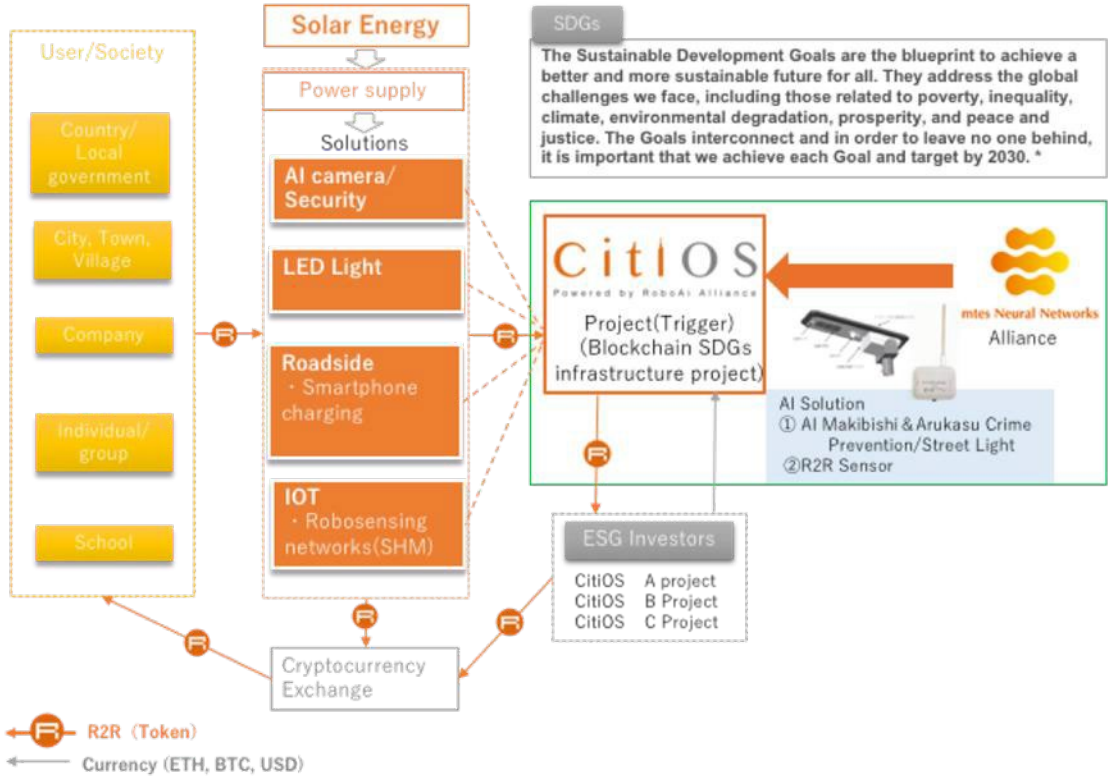
Year of 2019 - $50.3M

Year of 2020 - $115.2M

Year of 2021 - $202.1M

Above data shows only domestic data for mtesNN's AIoT Street Light. The global market is incomparable to the domestic market, which leaves great potential for CitiOS to succeed.

11. R2R Token Model



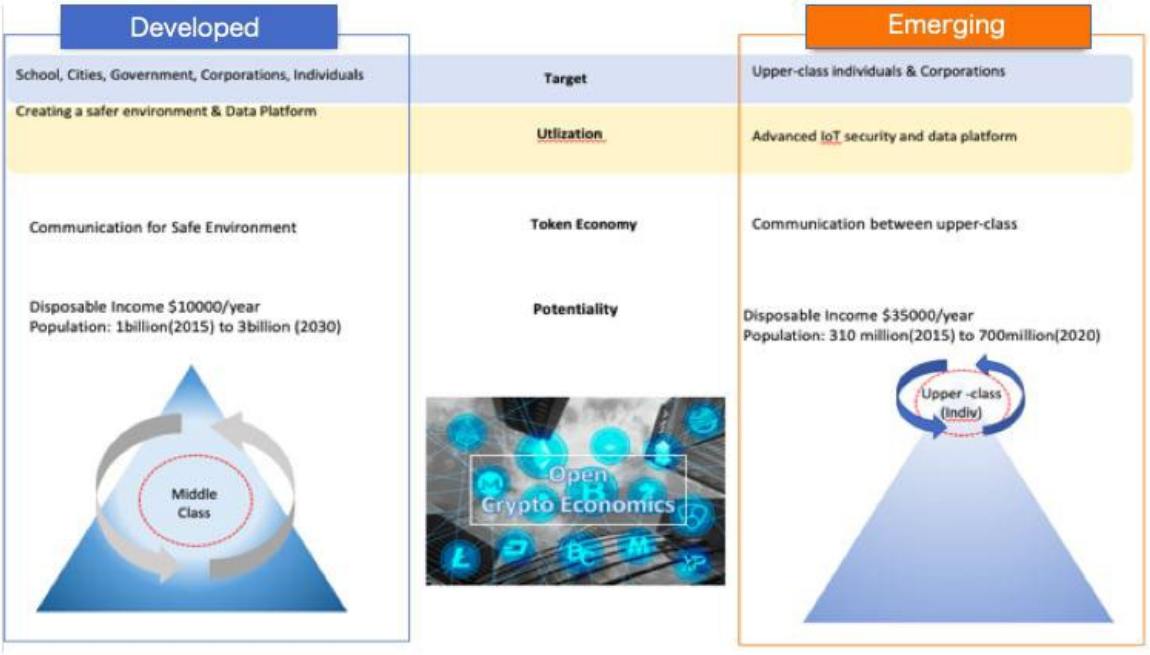
11.1. Developed Countries

Target for R2R Token and Product utilization will be different for developed countries and emerging countries. For developed countries, the target will be broader: schools, cities, government, corporations, individuals, etc. The products will serve the purpose to create a safer society also as a data platform. For the token economy, the R2R token will be used as a form of communication for the safe society.

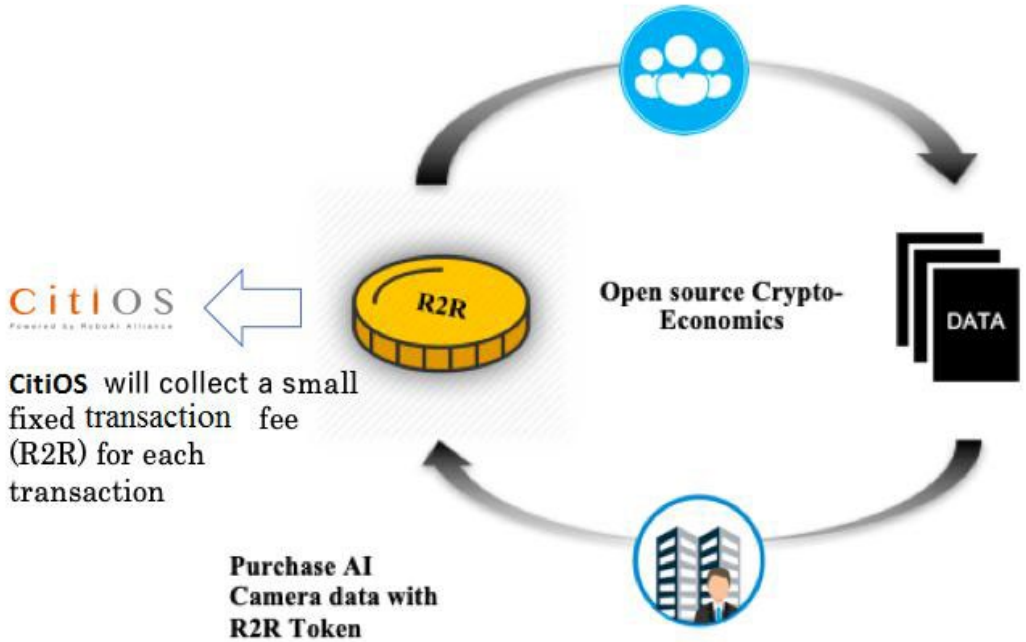
11.2. Emerging Countries

For emerging countries, we predict the target will be narrower compared to developed countries due to financial problems. The target will be set to upper-class individuals and corporations. The products will serve the purpose as an advanced IoT security and data platform as well. Tokens will be utilized for communication within these individuals, since handling/transaction fees are minimal compared to wire transfers.

11.3. R2R Token Economy Graph



11.4. R2R Token Economics



11.4.1. Necessity of Cryptocurrency in form of payments

Electronic payment systems are based on trust, which major financial companies/governments have complete control. If these systems were based on proof and not trust, electronic payments between two willing parties would be possible without the need for a trusted third party.

The foundation of any token economy should be based on entities/parties that hold the same perspective, vision, and purpose. These entities should be able to connect within its own community without a third party. Transactions involving third parties are more expensive and time consuming, whereas instantaneous micro-payments will be less expensive and requiring less time, also creating a new economic value.

There is also a shift in economy. Entities used to pay for service or product, but nowadays entities pay based on the value of the economy, which increases the price and demand for a specific cryptocurrency. R2R Token is the perfect cryptocurrency for this shifting “Value Economy”.

11.4.2. R2R Token Potentials in Emerging Countries

Currencies are often unstable in emerging countries due to hyperinflation

Cryptocurrency is less volatile than fiat in most emerging countries

R2R has the potential in becoming a frequently used currency in emerging countries

11.5. About R2R Token

R2R Token is an exchange intermediary/value preservation function for its services and it does not indicate ownership of a company. R2R will not pay dividends and R2R token holders will not earn any direct interest. R2R tokens will be issued on the Ethereum Blockchain using Smart Contract and used for its services within the platform.

R2R Token will mainly have the following functions. And some of these functions will be launched at the timing of ICO/IEO planned in Mid-end of July.

1. Use of various optional services on the platform
    a. Access to Surveillance
    b. Access to Camera Data
    c. Access to Electric Power
    d. Virtual Reality
2. Various Data Exchange & Deep Learning Data Analysis
3. Smart Payment

11.6. R2R Token Management Function

R2R Token will be delivered to ERC20 base token management software. R2R Token Management Function is the application for CitiOS users to use R2R tokens for its provided services.

11.6.1. Token Generation Event

Token sale is a period in which users can purchase R2R tokens and there are two types of sale: Private Sale and Public Sale. Private sale is limited to 30 or less buyers, it is a process of purchasing individually. Public sale is a period of general purchase through WEB. In both cases, it is necessary to register the purchaser's profile.

R2R Token will be created on ERC20 base. The participants will access the dedicated website to register the member, and after the completion of KYC, the wallet will be opened. The participants will purchase and receive tokens through their wallet.

The number of tokens to be issued is limited. Tokens are gradually released into the market based on a given value and based on demand. Once the maximum number of tokens is reached, no new tokens will be issued nor brought to the market.

11.7. Token Details

The CitiOS blockchain system will use a utility ERC20 token known as RoboAi Coin, denoted as R2R. The project is based on the Ethereum platform and thus the reason as to why the token is an ERC20.

The digital currency shall be used to facilitate international settlements especially among cross-countries organization in areas like African development.

It is also set to be a major facilitator in investors' participation in the entire project. The token (R2R) is available for investors.

Token Name	RoboAi Coin R2R
Token Standard	ERC20
Symbol	R2R
Token Features	Etheruem Blockchain
Total RoboAi Coin in Circulation	1,000,000,000 (1 Billion)
Price	$0.4 - $1 .0
Softcap	$30,000,000 ($30 millions)
Hardcap	$180,000,000 ($180 millions)
Token Upgrade Features	Deploying Proxy Contract, making proxy contract act as a bridge between actual contract and client.(Proxy contract is used to make contract upgradable)
Locking Period	Extending ERC20 interface to support function

	- lock - locked token - lock period - total bal of (including locked token) - bal of (only unlocked token) Token Release Date: 1 Dec 2019 Team, Partner, Marketing – Locked for 36 months. Unlock 1/36 per month. Presale discounted tokens – Locked 12 months. Unlock 1/12 per month. Presale bonus tokens – Locked 18 months (1/12 release starting from 6th months) Presale tokens – Locked 6 months (Hard release starting from 6th months) Airdrop tokens – Locked 12 months (Hard release from 6th months, then release 1/6 per month)

12. ICO TOKEN SALE

The CitiOS' token sale will be conducted through an Initial Coin Offering (ICO) with a target amount of $180,000,000.

A pool (lock-up) will be mainly used for Attribution reward and refers to scheduling the amount of tokens to put into the market in order to meet service demands and ensure healthy liquidity of the token market. We will put tokens on the market in a step-by-step manner while checking the change in the number of users or market.

The 1 billion available tokens shall distributed as follows:

30% for Reserve

5% for Partners

7% for Marketing

7% for Team

50% for Sale

1% for Airdrop

Therefore, the ICO token sale will be for the 50% of the total available CitiOS tokens.

12.1. Use and Selling of R2R Token

R2R Tokens are consumed as a consideration for services within the R2R Platform. In the future, after ICO/IEO, R2R Token will be traded and possible to buy and sell at the corresponding exchange.

Depending on the market, tokens will be put on the market from Pool (lock-up) to cope with an increase in the number of users.

12.2. Token listing on exchanges

The R2R Token shall be listed in the following crypto exchanges:

Exchange platform	Starting Value per Token
Exchange 1	$0.40
Exchange 2	$0.60
Exchange 3	$0.80

12.3. Funds distribution

Funds raised through the token sale will primarily be used for business development, including further development of product and system, promoting the service after launch, securing global distribution, and enhancing sales and marketing towards business expansion.

11% will go to marketing

11% will be used to deal with legal affairs.

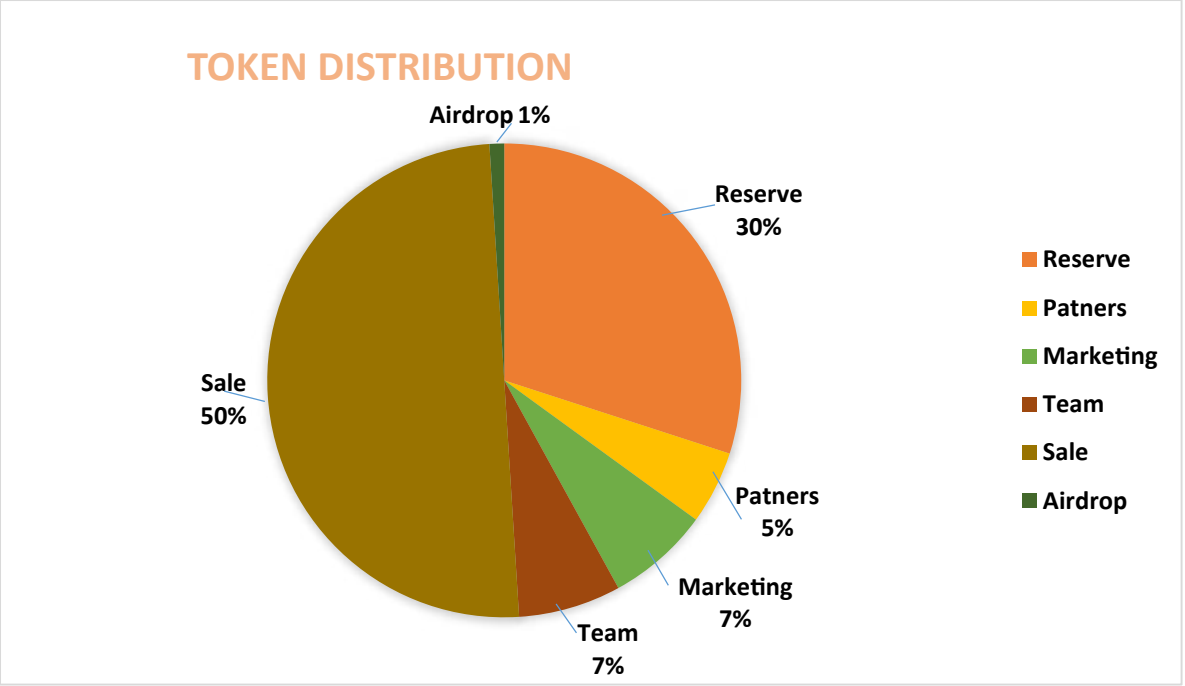
22% will be used in the development of products and systems.

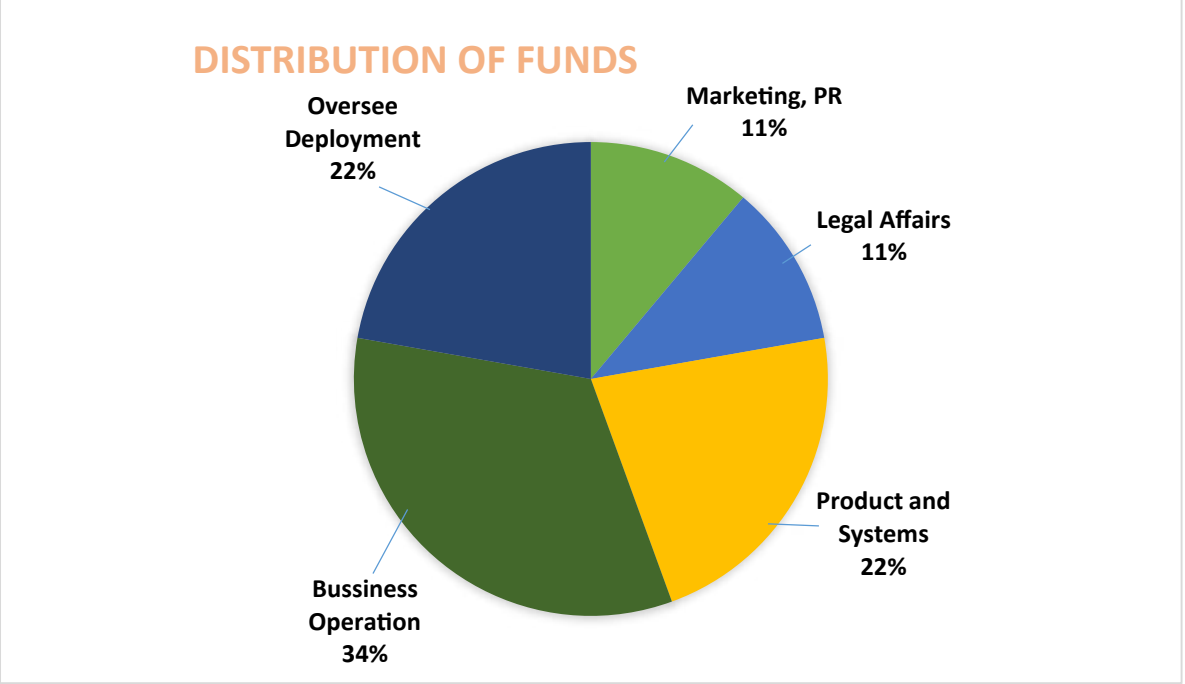
34% will be used for running the entire business operations.

22% will be used to oversee future developments of the project.

In this case, marketing refers to offering incentives to those firms that contribute to the project.

12.4. R2R Token Sale Summary





13. CitiOS ROADMAP

13.1. From CitiOS Project Executive Ledaership

“

Thank you for your interest in CitiOS Project.

The society is changing dramatically in the era of the Internet to IoT and AI. Tens of billions of sensors are installed around the world, and our lives will be more convenient than ever.

This change is called the “Fourth Industrial Revolution” and there is no doubt that our life will change drastically. The benefits of this change must be given to people around the world with the following principle “secure, safe, fair and just”; that is the spirit of this project.

Autonomous devices is a growing reality and reliance on centralized servers might soon become nearly nonexistent.

In the coming year, IoT sensors from CitiOS will be embedded with Neuromorphic AI chips to be「robotized」. Data will be processed on-site in real-time. Moreover, communication / inter-linked through blockchain technology (R2R) will lay the groundwork for the next-generation of “safe, secure, fair, and just” IoT ecosystem.

Even without human involvement, the wider the robot sensors spread, the more economic activities are done. Each trading amount may be very small, but IoT sensors spread to tens of billions will run millions of micropayments every day, enabling a dramatically growing ecosystem.

This revenue will lead CitiOS to the next technology development and will enable the ecosystem to always adopt the latest technology.

”

14. TEAM

14.1. Technology Members

1. **PRODUCT ADVISOR (Takaro Harada)**

Takaro is a Business Administration Graduate (MBA) of Keio University School.

Nippon Investment & Finance Co. Ltd (Daiwa Corporate Investment CEO at KFE JAPA, divisionalized Miwa Tech Environmental Solutions Division after MBO.

He is responsible for the implementation of client energy utilization in the Energy Management Service Division.

Using his knowledge of efficient energy management technology, he has been successful in implementing his skills in the IoT solution in the audit & vital industry. He is also responsible for AI implementation.

2. TECHNICAL ADVISOR (Hareo Hamada)

Hareo is a Doctor of Engineering.

Previously a Professor at Tokyo Denki University, Established DiMAGIC, Director of Adaptive Audio Ltd, UK, CTO at Nanobell, Director of mtes Neural Networks, R&D General Manager, Director of subsidiary MATIS, specializes in Digital Signal Processing, Acoustic Engineering. Currently focusing on R&D in CNT (Carbon Nano-Tubing) in nano-technology field, IoT Network, Sensors, AI, and Block Chain development.

3. FINANCIAL ADVISOR (Satoshi Fukudome)

Hiroshi Narata is the CFO of mtes Neural Networks.

Having a background in banking and studying law, he will oversea the financial and also legal aspect of the company to comply with international standards.

14.2. Project Members

1. **DIRECTOR OF OPERATIONS (Manas Ronghe)**

Manages is a Business Strategist with International Business Development, Growth and Expansion Consulting.

Experience in International Business Alliances, Consulting, Foreign Government relations and FDI consulting. A technology enthusiast with an operational and business experience on ongoing projects on blockchain, IoT, Fintech and previous experience with AI, ML, and AR/VR. Worked on projects onsite and offsite in Switzerland, Germany, Belgium, US, and Thailand. Involved in Strategic decisions, Negotiations, Financial Projections for creating various scenarios for domestic and international clients."

2. VP, MARKETING (Robert Choi)

Robert Choi Ph,D is Founder and CEO of Cornert Pte, Ltd - blockchain marketing & consulting firm in Singapore.

Robert is global blockchain marketer, ICO/STO advisor, speaker, author, and cloumist. He has more than 20 years global maketing experience in blockchain/crytocurrency industry as well as in conventional indusrty of Procter & Gamble, Adidas, Allainz life Insurance, etc.

3. DIRECTOR OF OPERATIONS – ASIA PACIFIC (Kailash Raghuwanshi)

Kailash Raghuwanshi (kai) is an Author & International business advisor having served clients in over 30 countries providing cutting edge business advisory solutions to transform businesses in the past decade.

His current focus areas include helping clients develop effective Business development, Sales Strategy & fundraising solutions. An ardent supporter of IOT, blockchain & fintech solutions he currently advises a number of clients in the Asia Pacific region on their strategy for these new age solutions. His research work on IOT, RFID & RTLS has been published in American & Singapore Journals & libraries. Kai graduated with an M.Sc in Electrical Engineering from State University of New York - Stony Brook, New York, USA.

14.3. Advisors

1. Marketing Advisor (Eugene Lu)

Eugene is the CMO of Gravitas International, a Global Blockchain Advisory and the Executive Director of Global Web Traffic service Nicheonlinetraffic.com.

An Ex banker from Citibank and Standard Chartered, Eugene is also a Serial Entrepreneur with years of experience in Growth Hacking and Online Marketing. Familiar with Global brands, he used to run an Advertising Agency which dealt with various Global MNCs like Changi Airport Singapore, Triumph International, ECCO shoes etc.

2. Legal Advisor (Malcolm Tan)

A senior legal expert with extensive experience in the IT and financial industry. He served as a global and regional legal advisor in the Asia Pacific region, the Middle East, North Africa, and North America.

As an early investor and evangelist of blockchain, Tan has an in-depth understanding of industry-related legal and regulatory policies. Founded Gravitas.Financial (Challenger Bank), Malcolm Tan Chambers LLC and other consulting services companies, providing technical, legal and other support services for the digital asset industry, including Dapp development, legal advice, e-wallet, asset custody, insurance etc.

15. Appendix

15.1. ALLIANCE PARTNERS

1. Company Name： mtes Neural Networks Co., Ltd.

Address：11/F, TOC Bldg., 7-22-17 Nishi-Gotanda, Shinagawa-ku, Tokyo, Japan

Establishment ： March, 2015

Capital：715,575,000 JPY （Capital Reserve：675,575,000 JPY）

Business Areas： IoT Platform Business

AI/IoT System Business

Device/Module Business

Stock Service Business

2. Mtes NN Affiliate Company ： RoboSensing, Inc.

Address：Pauhahi Tower, 1003 Bishop St. Suite 2700 Honolulu HI, U.S.A.

Establishment ： July, 2018

Business Areas ： Development, Manufacturing, and Sales of AI products

15.2. OTHER MTESNN PARTNERS

gyrfalcon technology

CROSSBAR

15.3. AI Product Technology (mtesNN & mtesNN Alliance Partners) Media Features

MtesNN's consortium with Crossbar ($1B USD Evaluation), and Gyrfalcon Technology, have been featured in various media outlets.

15.4. Article Links (Refferences)

Forbes
Business Wire
ee News Automotive
Electronics Weekly
http://www.risktaisaku.com/articles/-/12912