



CHIANGMAI
Crypto City

WHITE PAPER

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Abstract

New technologies are constantly being developed in our world today. Before, it may not have mattered much to people's daily lives, but currently, technology is undeniably playing an increasingly large role in all of our daily lives. Technology is replacing the way we used to work, leading to many critical advances in various fields. Blockchain technology in particular, is gaining in popularity and making the biggest impact today, advancing our world into the Blockchain era. At the same time, factors such as the pandemic have also made it necessary for society to adapt and to accelerate the development of new technologies that answer to the needs of today's lifestyles. It has become necessary therefore, to create a sustainable ecosystem suited to the growth and development of the people and various businesses in Thailand, preparing the ground for implementation of Blockchain technology, which is so critically necessary in our current circumstances.

Thailand has an overabundance of qualified people, but lacks an ecosystem to support their growth and development. Furthermore, there is no space for experimenting with Blockchain technology in the real world. Therefore, gathering together those who are interested in Blockchain technology, creating a research framework and providing an experimental space for implementing block technology in the real world is a very important step. It will enable Thailand to become a leader in the world of Blockchain technology.

Chiangmai Crypto City (CCC) is a gathering of people who specialize in various different fields and who came together to form a company in the interest of urban development, with the purpose of experimenting and ...

... creating an environment in the real world, through the use of open source platforms, suited to nurturing Blockchain startups, traditional businesses and people with an interest in Blockchain technology. CCC leverages the strengths and resources in Chiangmai as a starting point, with a view to developing and growing to a level that is on par with other countries.

In addition to Blockchain technology, some of the operations will introduce the use of the Decentralized Autonomous Organization (DAO) system, with communities driving the projects in the long-term. The DAO system will make work in the new era more efficient while reducing the limitations of organizations, both inside and outside of the country, to offer support in terms of knowledge and resources. We aim to be the link between the public, private and educational sectors and specialists in each field of work as well as sponsors from all over the world to participate and become involved in our projects, by supporting the exchange of knowledge among those in the community.

General Information

In just a few years, we have seen huge growth in the cryptocurrency market, which is currently valued at 1.9 billion USD. This growth is driven by people's growing understanding of technology. At the same time, we are aware of the immense benefits of Blockchain technology, which is not only an important key in the financial system but can also be used in virtually every aspect or system of urban management. This is because Blockchain is a technology that helps to enable systems to be transparent, verifiable and reliable while reducing the many duplicative steps that currently exist in our systems and processes.

Generally speaking, Blockchain can currently already be applied to many different systems, from medical systems to transportation systems and even to works of art.

Seoul, Dubai and Estonia are three of the 12 cities (Miami, Ljubljana, San Francisco, Arnhem, Singapore, Seoul, Zug, Prague, Tel Aviv, Berlin, Florida and Akon city) that have started to apply Blockchain technology to assist with city management. Seoul aims to be a Metaverse city while Dubai has begun to experiment with Blockchain and various city management systems. Estonia is using E-health, a new public health system that manages medical and health-related systems. In other areas, we find the city of Miami in the United States using digital coin technology to raise funds and generate income for the city [1] which already has a city environment and CityDAO which creates a new city on unused land through the cooperation of people with Blockchain technology [2].

Problems encountered

1) The existing ecosystem is not conducive to the growth of Blockchain startups, traditional businesses and those who are interested in using Blockchain technology to improve the quality of life in Thailand.

2) There is a lack of space for experimenting with the implementation of Blockchain technology in Thailand.

Objective

1) To provide a research framework and area that promotes the development of Blockchain startups, businesses in the various traditional industries and those who want to switch to using Blockchain technology to improve the quality of life and society.

2) To prepare a sustainable and suitable ecosystem for people in various industries who want to enter the world of Blockchain, with “ecosystem” meaning platforms, community, a knowledge transfer system, and cooperation from the public, private and educational sectors at the infrastructure level.

Vision

To enable Chiangmai Crypto City to become the Silicon Valley for Blockchain in Thailand.

Mission

1) To build an ecosystem at the infrastructure level together with on-site action research by the ecosystem, which means technology, capital, and users, both online and in the real world.

2) To be a social enterprise and collaborator in Thailand and abroad for investment support and business development.

3) To be an incubator and development center for Blockchain startups in Thailand using the DAO system for the process of selection.

(Infographic)

Government agency

User

Private organization

Entrepreneur

Educational sector

Investor

Infographic of the Chiangmai Crypto City Concept

Concept

Why is Chiang Mai suited as the experimental site for the application of Blockchain technology?

Chiang Mai is the largest province of northern Thailand. Strengths include its rich culture and long history, good climate, a wealth of attractions and places to visit and a large number of entrepreneurs. Chiang Mai has a population of 1.6 million and a gross domestic product of 8 billion USD. Chiangmai's economic system is affordable, driven by the agricultural sector, retail and wholesale trade, and tourism and hotel services, respectively. Tourism typically earns 100 billion USD a year, although the COVID-19 situation has caused tourism revenue to decrease by 60-70 billion baht. Still, it is clear that Chiangmai is a province that attracts tourists from all over the world, making it highly cosmopolitan. This includes the people of Chiangmai who are known as one of most open people, always ready to evolve with new technology.

At the same time, Chiang Mai also faces issues that need to be researched and developed like any other province – the following three issues, in particular:

People In terms of inequality especially post-COVID, people have experienced a loss of work and a notable drop in income. Our platform will provide additional avenues and channels to earn additional income for a large number of small entrepreneurs. Even for those who maintain a full-time job, the speed of our platform's blockchain technology will help these groups of people earn additional income in many ways.

Entrepreneurs The COVID-19 pandemic has led to many small business owners shutting down their businesses. Small businesses have had to bear production costs such as fees for services like freight forwarding. Blockchain will help to reduce these types of costs.

Investors Opportunities for investors will increase greatly due to the growth of our platform, both on NFT and other future projects.

Operational approach

Zero to one PHASE

- Creating a community through the discord platform.
- Announcing cooperation entered into with the public, private and educational sectors.
- Receiving project proposals through submissions and selection by the team of co-founders through the DAO system on the selected Blockchain, to pilot implementation of the platform.
- Commencing the Blockchain training system by world-renowned organizations along with implementing the project.
- Participating in the networking event at the Block Mountain 2022 event.
- Launching the first phase of Chiangmai Crypto City's Metaverse.

The 1st PHASE

- Establishing a CBDC project research framework.
- Selecting a proposal to begin implementation.
- Selecting the first settler from the system of points used to manage contributions from communities.
- Selecting the art work to commence the creation of Non Fungible Tokens (NFT).
- NFT Utilities: Solution, Defi, Marketplace, Voting system

The 2nd PHASE

- NFT gaming
- Metaverse on the off-chain system implementing the project.
- Commencing the project experimentation system of selected proposals: hypothesis, field trials, assessments and reporting to the public sector.



Industry details

Environmental, social, governance

Tourism

Art

NFTs

Logistics

Inventory

Agriculture

Healthcare

Gamefi

Entertainment business

Data center, sharing

Streaming: music, content, video

Decentralized: book, novel, manga****

Metaverse: video, graphic

Community management

Trader

Miner

Financial

Strengths

- 1)** There is strong cooperation from the public, private educational sectors.
- 2)** There is a decentralized operating system for the selection of projects to participate through community votes.
- 3)** The presence of strong communities.
- 4)** There is a focus on building a sustainable infrastructure for the ecosystem.
- 5)** The presence of an area for physical experimentation in the real world.

Partners

- 1)** Public Sector: Agency for Administration and Management of Capital for Local Development and the Digital Economy Promotion Agency
 - 2)** Private Sector: Block Mountain, Rayong Smart City, Khon Kaen Smart City, Multiverse Expert Company and MI Group, MouseBelt Blockchain Accelerator Platform, Near Protocol, Frontyr capital and Avania
 - 3)** Educational Sector: Faculty of Architecture, Rangsit University and the Faculty of Economics, Chiang Mai University
 - 4)** Media: Mooncat, XbitconThailand, “Chao Ni” (Today’s morning news) page, Touchtrader and Passion world
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Team of Co-founders

Dr. Natee Thepphot
Founder and Lead Coordinator

Dr. Kiattisak Wongvorachat, MD.
Founder and Strategy Lead

Dr. Navaporn Nalita, MD.
Founder and Project Leader

Conclusion

The adoption of Blockchain technology under a research framework will lead to the necessary systemic adjustments, aimed at enabling the application of Blockchain technology in the basic systems of operation of various industries. All of this must take into account the objective of using technology to help people achieve their potential as much as possible, enabling them to use technology to develop their quality of life and that of society.

References

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Author: Dr. Navaporn Nalita, MD.

Founder and Project Leader at CCC

Illustrations: Mr. Thanipol Boonyakanit

Reviewed by: Ms. Supisara Jiratikantrakul

Mr. Konstantin Bogdashow
