



FACITE
ΤΟΟ ΦЭСИТ

FACITE White Paper

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1. Abstract

Most people want a stable increase of their assets, but in general, stable increases refer to low returns. There are a few different ways to accumulate assets, whether it be aggressive or conservative, depending on personal preferences, but the fact that people cannot predict even a single second of the future applies to everyone, and is not limited to specific individuals, groups, or countries.

Even amidst a global economic downturn, one can make profits from aggressively investing, but if those investments rely heavily on high-risk assets that are not well positioned for a crisis, there will be consequences. This is why people try to find ways to steadily grow assets, but it is not easy to find good alternatives. However, there are common methods that are considered safe investments, such as investments in real estate, international currencies, or long-short funds.

Those who want to invest in real estate might have difficulty understanding tricky laws and regulations, will have to think about the chance of fraud, and have to study the floating population and the environment, which makes it hard to make it worth one's while relative to the time that needs to be spent to be successful. There is also the chance of one's initial plans being ruined by government regulations. Meanwhile, investing in land is also insufficient in terms of returns, because somebody has to construct a building on the land to increase its value.

The trend of investing in international currencies or investing in long-short funds has long since begun. However, fund investment, which focuses on making steady returns, regardless of the decline in monetary value and the fluctuation of stock prices caused by global financial crises and geopolitical risks, is a structure that is very difficult to secure a safe return for investors in challenging situations.

As economies grow and incomes rise, everyone has trouble developing proper asset management methods, yet few people have clear solutions regarding how to invest well.

As a result, people with no previous investment experience have felt the need for dramatic and reliable investment destinations, and as income inequality has become more severe, people need an opportunity to quickly proliferate their assets with low entry barriers.

Meanwhile, Bitcoin garnered worldwide attention since early 2017.

Although it was created in 2009, it had not received much attention from the market, but it has grown explosively worldwide as it emerged as a blue ocean of the investment industry since 2017.

Investors who were looking for low-risk, stable growth cheered the leap of Bitcoin, and they joined the coin investment, but because of its infamous volatility, it has since significantly lost its attractiveness.

2. Introduction

In 2009, when the U.S. Federal Reserve (Fed) began to pump out dollars for quantitative easing in the wake of the U.S. financial crisis, Bitcoin was created as a cryptocurrency by an anonymous developer called Satoshi Nakamoto for the purpose of using a currency without the intervention of a central bank's authority.

Bitcoin's price surged 125% in 2016, reaching the \$990 mark, and the price surpassed \$1,000 in early January 2017. The price had jumped more than four times in the 16 months from the summer of 2015, when it fell to \$220 due to concerns about price stability, particularly about hacking issues.

After breaking the record high of \$10,000 on Nov. 29 of 2017, the market gradually declined, falling more than 80% to about \$3,200 on Dec. 15 of 2018 and it is now rising again toward its previous highest point.



(Source: Binance)

Bitcoin mining has been steadily mining since Bitcoin was created, but it has not been as active in the market as it has been in the rapid rise of Bitcoin's price. However, as the value of Bitcoin rapidly changed, the majority of investors who were not able to cope with the volatility in time began to be interested in Bitcoin mining, which can be considered a safer asset to maintain and increase.

Bitcoin mining is difficult for individuals to prepare since it requires many components, such as mining machines and places to store them, mining costs, and manpower. As the price of Bitcoin rises, it is more efficient for individuals to operate mining in a consigned form rather than directly.

Since the requirements for mining are different in each country, the places suitable mining operations can be selected depends on individuals' situations. The most important factors for mining are the operating fees and the profitability in each country's environment.

Since the market price of Bitcoin rose sharply last year, the profitability of mining was not really an issue. However, due to the continuous decline in market prices, many countries cannot guarantee certain levels of profitability, and as a result, even in China, a large number of mining companies go bankrupt and closed or are moving to other countries.

Currently, mining companies are considering transferring to Central Asia, with Kazakhstan being the most ideal country in terms of regional conditions and profitability, as Kazakhstan is striving to strengthen its digital economy at the national level and has affordable electricity.

Last August, Kazakhstan's President Nazarbayev has been seeking ways to promote investment and innovation by legislating basic concepts of digitalization as a new approach in order to increase the overall wellbeing of people without damaging their trust in the government. This approach is intended to foster value-added industries and reduce the share of raw materials in the economy.

Kazakhstan aims to enter the world's top 30 industrialized nations by 2050 by earnestly implementing the '2017-2020 Digitalization of Kazakhstan' national program for the realization of digitalization, to promote economic competitiveness through the development of an aggressive digital economic system, and to enhance the quality of life of the people. Market players in the global cloud computing market are also involved to partake in the economic development model and strategies.

This vision can be utilized by attracting promising companies via operating a super-productive network that integrates hundreds of specialized computer systems. In addition, this plan will also be used as a strong axis for Kazakh citizens to get a healthy share of the domestic market.

Due to such policies, a mining center was established by the Kazakh-based Facite Foundation, which is building and implementing a strategy to maximize Bitcoin mining profitability compared to other countries.

Based on the above geographical conditions, government policy and electricity charges for mining industry, the Facite Foundation can build and operate a mining center in Kazakhstan and expect to generate sustainable and stable profits through low electricity charges.

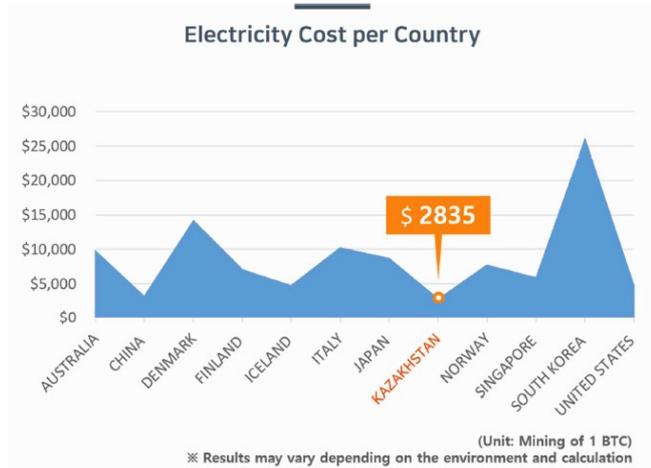
In order to concentrate on mining business, the Facite Foundation stops bus card and solar energy business, and become a leading innovator in the fourth industry through mining business.

Some of the profits generated by the mining center will be offered to the Facite Coin Holder through various services, and deal with the rising value of the Facite Coin, which maximizes the utilization of the Facite Coin through a number of projects run by the Facite Foundation.

3. Facite Mining Center

3.1 Electricity Cost per Country

Ranking	Country	Electricity Cost (1BTC Mining Criteria)
1	KAZAKHSTAN	\$ 2,835.00
2	CHINA	\$ 3,172.00
3	ICELAND	\$ 4,746.00
4	UNITED STATES	\$ 4,758.00
5	SINGAPORE	\$ 5,936.00
6	FINLAND	\$ 7,122.00
7	NORWAY	\$ 7,784.00
8	JAPAN	\$ 8,723.00
9	AUSTRALIA	\$ 9,913.00
10	ITALY	\$ 10,310.00
11	DENMARK	\$ 14,275.00
12	SOUTH KOREA	\$ 26,170.00



The above table was made based on a wide range of materials, including average electricity costs from each country, local government’s statistics, energy reports from each country, as well as papers from the International Energy Agency, the U.S. Energy Information Administration, and currency reports from Oanda, a foreign investment brokerage.

Excluding Kazakhstan, the 11 countries mentioned above had an average mining cost of \$9,355 for 1BTC. However, Kazakhstan recorded \$2,835, the lowest among all.

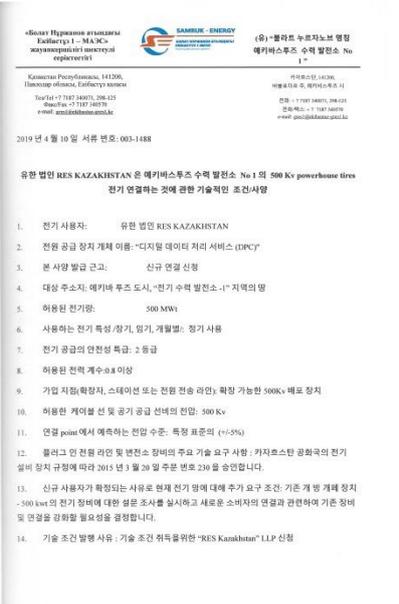
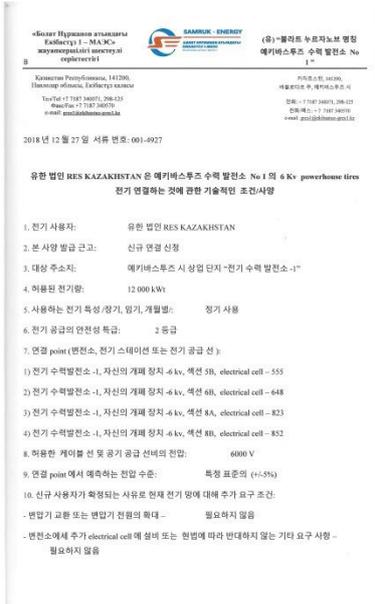
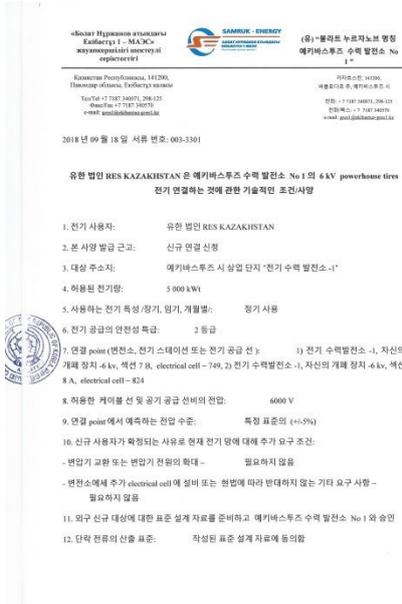
3.2 Progress of the Mining Center

3.2.1 Electricity Supply Contract

The Facite Foundation signed a contract with Kazakhstan's state enterprise Samruk Energy Ekibastuz GRES-1 is condensing thermal power plant to supply 5MW on Sept. 18, 2018, 12MW on Dec. 27, 2019, 500MW and a total of 517MW of electricity.

The 517MW electricity supply is the amount of electricity runs the former Kazakh capital city, Almaty, that can operate about 250,000 mining devices with a 2kW/h power consumption.

The following picture shows an electricity supply contract signed by the Facite Foundation; an electricity supply contract must be signed to receive electricity in Kazakhstan.



(Electricity Supply Agreement Certified by Korean Translation at the Consulate General of the Republic of Korea in Kazakhstan Almaty)

3.2.2 Site of Mining Center

In order to reduce electrical leaks, various risks and response immediately in the event of an electrical supply problem, 10 ha of land has been decided to be leased for use in the GRES-1 plant, and construction of the facility has been undertaken.



(The fixed mining center location in the Ekibastuz GRES-1 plant)

3.2.3 Mining Center Facilities

On September 13, 2017 in Balkhash, Kazakhstan, a Ground-breaking ceremony for the thermal power plant project attended by former president Lee Myung-Bak and former president Nazarbayev of Kazakhstan, the largest project worth a total of \$4 billion among economic cooperation projects between the two countries, led by a South Korean consortium made up of Samsung C&T Corporation and Korea Electric Power Corporation (KEPCO) with a 75% stakes, while Kazakhstan's state-run power company Samruk Energy jointly took part in a 25% stakes, carried out by a BOOT (Build-Own-Operation-Transfer) system, which is in which a Korean consortium is in charge of ownership and operation and is to donate to the government 20 years later.

However, the project ended on Nov. 16, 2018, when Samsung C&T Corporation agreed to receive business-related settlement payments, including a put option worth \$146.4 million, from Samruk Energy and the Kazakh government.

The Facite Foundation agreed with Samruk Energy to use the sandwich panels, various facilities and containers which is built at this time, and started the separating installation.

For sandwich panels to be separately installed are special sandwich panels which are the most suitable structure for insulating and durable GPU methods that can withstand 40°C and minus 40°C.



(An aerial view of the Facite Mining Center in the Ekibastuz GRES-1 plant)



(Actual image of the installation site, Balkhash plant)



(Facility demolition work)

3.3 Engineering Technology for Installing Mining Center

3.3.1 GPU Method

Special purpose-built sandwich panel facility with high insulation and durability ensures high-capacity devices are installed without any problems in extreme external environments, making it easier to manage a number of devices and more capable of handling crises, enabling stable operations. The GPU method can perform more mathematical labor as it comprises more logical operations compared to the CPU method by mining using a graphics card. It also has the advantage of changing not only Bitcoin but also many other Altcoins to mine.

3.3.2 ASIC Method

In the natural moisture-containing container system, the temperature inside the container box can be kept low due to the internal circulation of the outside air, and the container's top insulation structure can be installed to prevent direct sunlight, snow and rain to minimize internal and external damage. In addition, custom structures in containers make it very easy to install and replace, which can be reduced by up to a 1/3 to the normal mining machine installation period, and can be moved by the container itself, making it easier to arrange in the mining center. ASIC method has excellent mining capability with its overwhelming hash calculation capability by using specially-made semiconductors and making a single mining machine by collecting specialized parts.

3.3.3 Mining Pool

Bitcoin mining is a kind of mathematical solution, and its difficulty is set to be created once every 10 minutes on average, considered the computational power of miners. In other words, as high-powered mining machines are developed and number of miners are increased, the probability of an individual releasing a block of bitcoin is closer to zero, which is almost impossible to mine alone.

Mining pool, which is to solve this problem, miners who were mining alone gather their computing powers through the Internet to increase their probability of mining and receive profits as much as their stake invested. The Facite mining center, which has its own developed mining pool technology, can show the mining process transparently to the miner and maximize the mining efficiency based on an optimized system. In addition, with its own development application, it is possible to check the mining process and amount of the mining capacity of its own mining machine in real time, and change the type of coins to be mined immediately.

3.4 Mining Center Profit Structure

3.4.1 Revenue from Electricity Supply and Site Lease

The Facite Foundation, which has a contract with Kazakhstan's Samruk Energy Ekibastuz GRES-1 Plant for electricity supply and site lease, provides electricity supply and mining sites to individuals and organizations who want to directly install and operate the mining site, and generates electricity supply margins and land rental profits.

3.4.2 Revenue from Consignment Operation of Mining Machine

By receiving mining machines from existing mine owners, consigned operation and management will incur commission fees. All of the mining costs will be deposited directly into the consignor's wallet, and low commission fees will be generated through very low electricity costs, which will allow existing miners to save more on their operating fees than they directly operate.

3.4.3 Revenue from Sale of Mining Machine

Through mass production of durable and efficient mining machines and mass transportation and batch installation, minimize the production, logistics and installation costs of mining machines that results in profit from the sale of mining machines with high price competitiveness.

3.4.4 Revenue from Direct Operation of Mining Machine

From the operating profits of the mining center, except center maintenance fee, facility and mining machine research development costs, and extra expenses will be re-invested to produce additional mining machines and directly operate to increase the amount of holdings of Bitcoin and other Altcoins, etc.

3.5 Examples of Revenue from Mining Machine

The miner specifications (hash values) of 30TH/s and 50TH/s were compared and the Bitcoin quotations of 10 million won and 20 million won were calculated. State that it can vary according to the electricity tax and the power consumption value of the miner, and the net mining volume can vary depending on the various operating environments.

Basic Configuration	Applied Value	Remark
Mining volume per 1TH/s (hash)	0.00003 BTC	0.0009 BTC/month
Electricity cost per kWh	\$ 0.04	\$0.89/day
monthly fee on consignment operation	\$ 12.37	
assuming consumption power as 2.5 kWh	\$ 0.09	\$2.22/day

Basic Configuration	Amount of Mining (/month)	Market Price of Bitcoin	Revenue (/month)	Electricity Charge (/month)	Consignment Operation Fee (/month)	Net Earning (/month)	Net Earning For 3years
30TH/s	0.027 BTC	\$8,235.88	\$ 222.37	\$ 68.98	\$ 12.36	\$ 141.17	\$ 5,080.57
		\$ 16,478.54	\$ 444.99			\$363.69	\$ 13,088.48
50TH/s	0.045 BTC	\$ 8,235.88	\$ 370.83	\$ 68.98	\$ 12.36	\$ 289.52	\$ 10,421.76
		\$ 16,478.54	\$ 741.72			\$ 660.38	\$ 23,769.61

(As of June 19)

4. Partnership

4.1 Samruk Energy



(<http://www.samruk-energy.kz>)

Samruk Energy is Kazakhstan's state enterprise which is the largest power generation company that produces and supplies electricity, which accounts for 32% of Kazakhstan's electricity output. Its subsidiaries include wind power, hydro, thermal power and solar power plants, and is involved in power plant construction projects as well. The company was founded in 2007 and is headquartered in the Kazakh capital city, Nur-Sultan (formerly Astana) and a subsidiary of Samruk-Kazyna National Welfare Fund JSC.

4.2 Ekibastuz GRES-1 Plant



(<http://gres1.kz>)

The GRES-1 Power Plant is a subsidiary of Samruk Energy, located in Ekibastuz, and is Kazakhstan's largest power plant in the world's 20 volumes. With an electricity output of 4,000 MW, it supplies electricity to major cities including Almaty, and also exports electricity to Russia. It produces electricity from coal mined in Ekibastuz as a raw material and is one of the world's largest coal power plants that has 8 of 500MW capacity turbines.

5. Facite Coin

5.1 Definition of Facite Coin (FIT)

Facite, in Latin for "work" or "make," contains the Facite Foundation's vision of something out of nothing and expresses the Facite Foundation's aspirations for happiness of people by contributing to global development beyond Kazakhstan and Central Asia.

Based in Kazakhstan, which is rapidly growing by implementing national digitalization and advancement policies, the Facite Coin is carrying out various projects with high technology and know-how in operation starting with Central Asia's largest cryptocurrency mining complex industry which will create a base for blockchain ecosystems by eco-friendly mining industry using renewable energy based on a practical profit model for expanding the business area through coins issued by the Facite Foundation, which has greatly contributed to the development of the Kazakhstan and Central Asia.



Name	FACITE
Symbol	FIT
Token	ERC-20
Website	http://www.facite.org/
Total Volume of Issue	5 billion (FIT)
Token Sales	2 billion (FIT)

5.2 Use of Facite Coin (FIT)

5.2.1 Payment Methods

The Facite Foundation's business and its affiliates will be expanded including Kazakhstan's public transportation, shopping & art center, medical centers, amusement parks and casinos.

The first fixed payment method is confirmed that **10% of the amount** must be paid in Facite coins to purchase a **mining machine** from the Facite Mining Center. In the future, electricity bills and commission fees, etc. will be applied as payment methods in the Facite Mining Center.

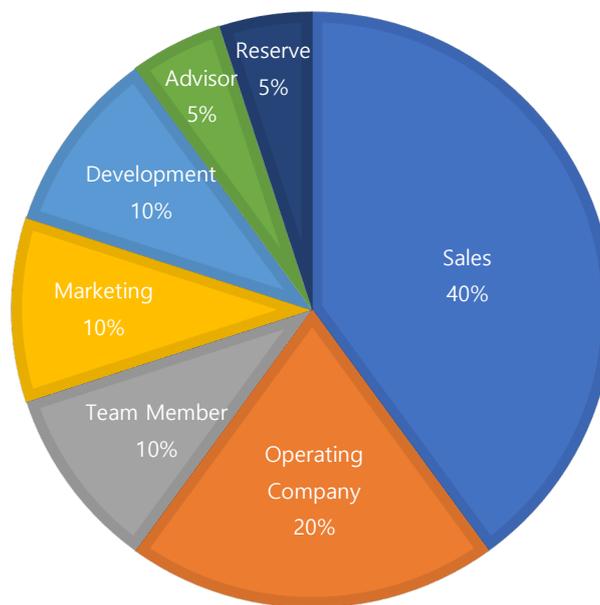
5.2.2 Events and Services

A portion of the revenue from the business of the Facite Foundation will be provided through **various events and services with high real value**, which will be applied differently depending on the quantity of the Facite Coin held.

5.2.3 Qualification

The Facite Foundation will be entitled to participate in various revenue models to be carried out in the future: real estate, resorts, trade and finance, etc.

5.3 The Facite Coin (FIT) Distribution Structure



5.4 Roadmap

Through strategic goals, planning and profitability analysis of the Facite Coin, set up the roadmap and lead the Facite mining business to success.



6. Team Members & Advisors



Dmitriy Li
Founder and CEO



GiHun Choi
CFO



JungDae KIM
Chairman of NTC GROUP



Alexander Kang
Vice President of
Business Development



Chepenite Elina
Director of Global Marketing



Akerke Rabilova
Global Marketing



YouSun Choi
Marketing Director



Zhadura Rustemova
Foreign Marketing



Konstantin Park
Vice President of Engineering



Meerbekov Aibek
Director of Engineering



**Nenasheva Darya
Sergeevna**
Engineering



**Avutova Veronika
Denisovna**
Engineering



Sen Junyang
Engineering



Jonathan Vanderlinde
Community Management



**Kolmogorova
Anastasia**



Yeshengaliyev
Almat
Devops

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1. The purpose of this document is to introduce the Facite Project ("Project") and Facite Coin ("Coin" or "Coin") to potential token holders.

2. The information in this document is not complete and does not constitute a contractual obligation. The sole purpose of this document is to provide potential owners with up-to-date information about the project and project support teams to help determine whether additional due diligence is necessary.

3. Although this document is intended to provide accurate information, the information presented is intended to provide general information and preliminary information to potential owners. This document does not include legal, financial, or other professional advice.

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Therefore, none of the content contained in the white paper should be considered an invitation or incentive to participate in investment activities, and the buyer must carefully assess and evaluate all risks associated with the investment. Before purchasing Facite coin, please carefully read this disclaimer, white papers, and other relevant information and double-check that you are aware of all potential risks.

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No regulatory authority has reviewed or approved the information outlined in the white paper. In addition, the information provided in this white paper may not be accurate due to the relevant policies, laws and regulations, technology, and other factors, and does not imply that distribution of the whitepaper has been observed in relation to regulatory requirements and applicable laws. Therefore, Buyer must comprehensively determine the potential risks as well as the content provided in the white paper for the Facite Platform and Facite Coin, and the individual is responsible for all the consequences of the risk.

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In case of inconsistency or conflict of content or interpretation of language-specific white papers and summaries, the English version shall take precedence.