SatelStar

STSR

SatelStar white paper Ver. 01- Eng.

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01 Summary

Global communication is in a war, and all the countries that have the means are doing their best to develop lines and networks of communication.

This is because, in a global environment where information is rapidly progressing, if you do not secure the initiative in communication, you will be forever subordinated to the countries that have occupied the position.

Among the telecommunication networks, satellites, which can integrate and connect the world, but have extremely high usage such as military, commercial, broadcasting, and meteorological fields, are one of the fiercely competitive fields that each country cannot give up.

With just one commercial satellite, you can secure a variety of commercial rights, such as global sports broadcasting rights, meteorological data collection, and sales of commercial satellite photos, which makes it the perfect investment for countries and research companies around the world.

source: Yahoo finance : https://finance.yahoo.com/news/demand-global-satellite-market-size-175200207.html

Currently, the commercial satellite market is monopolized by major advanced countries such as the United States, Japan, China, Russia, France, and Germany. Developing countries other than developed countries and general R&D companies are also casting their votes in the market.

전자신문 etnews 1982+ 40 Conference

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우주 인터넷 선점을 위한 경쟁이 시작됐다. 미국과 유럽연합(EU), 중국, 영국, 일본 등은 위성통신 시장·기술 선점을 위한 국가차원 정책을 수립했다. 민간 중심의 '뉴스페이스 시대'에 대비해 한국도 대응을 서둘러야 할 때다.

Source: etnews : https://www.etnews.com/20220202000126

02 Founding background of SatelStar

This is what Satellite Star means. As a compound word of satellite and star, it has the meaning of becoming like a star, which is in the spotlight in the satellite market.

Although it is a latecomer, we will improve communication security, data exchange transparency, irreversible information security, and cost efficiency by combining high-quality technology, business model and block chain in the commercial satellite market. As a result, we aim to gain a competitive edge over existing market players and gain market dominance in the commercial satellite market.

We plan to develop satellites by establishing an effective cost system in cooperation with an aerospace research institute with open source-based open technology and high technology. In addition, by maximizing the security of information and data management through blockchain, we will increase the attractiveness of the product itself. By having such high marketability and security, it is possible to secure a long-term profit model through contracts with global sports leagues and broadcasters. Also, by listing coins on global exchanges, it is possible to sign contracts with rocket launchers and to launch and operate satellites.

During the primary estimated life of the satellite, a new revenue source can be obtained by purchasing sports broadcasting rights, providing satellite image transmission services, providing corporate data services, and supplying meteorological data through commercial satellites capable of operating in low orbit at a small scale. In addition, using accumulated capital, it is possible to develop secondary, tertiary, and quaternary satellites, and finally, we plan to operate up to mid-orbit satellites to establish ourselves as a leader in the private satellite revenue business.

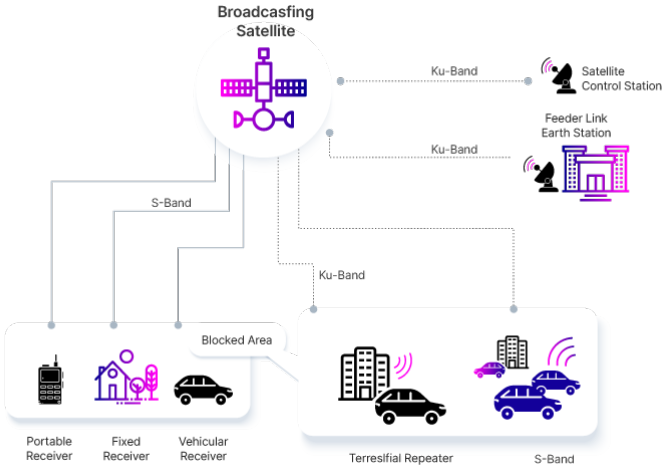
03 Blockchain protocol of SatelStar

Introduce ERC20 with proven safety, cost-effectiveness and transparency through billions of transactions.

The artificial satellite itself is a strategic material and leads to an immediate national security threat if operational data is used by an enemy country or a hostile group through data hacking.

Therefore, the satellite operation algorithm is designed with the ERC20 protocol, which guarantees the highest level of safety as data processing is irreversible and hacking itself is impossible.

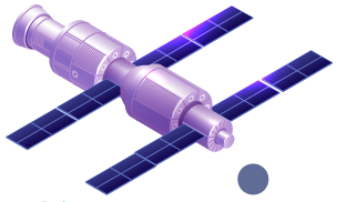
Data integrity can be secured through blockchain-based satellite launch and operation, data transmission, and remote management. In addition, for wireless communication with general broadcast stations that do not have a blockchain, we introduce a dual chain that can transmit blockchain and general data.



The algorithm uses the functions:

$$Ch(X,Y,Z) = (X \wedge Y) \oplus (\overline{X} \wedge Z),$$
$$Maj(X,Y,Z) = (X \wedge Y) \oplus (X \wedge Z) \oplus (Y \wedge Z),$$
$$\Sigma_0(X) = RotR(X,2) \oplus RotR(X,13) \oplus RotR(X,22),$$
$$\Sigma_1(X) = RotR(X,6) \oplus RotR(X,11) \oplus RotR(X,25),$$
$$\sigma_0(X) = RotR(X,7) \oplus RotR(X,18) \oplus ShR(X,3),$$
$$\sigma_1(X) = RotR(X,17) \oplus RotR(X,19) \oplus ShR(X,10),$$

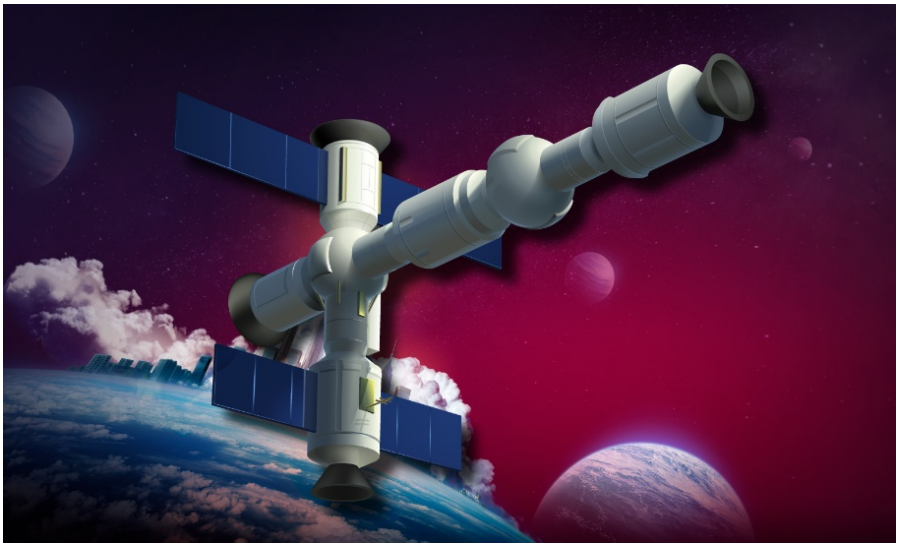
- $RotR(A,n)$ denotes the circular right shift of n bits of the binary word A.
- $ShR(A,n)$ denotes the right shift of n bits of the binary word A.
- $A \| B$ denotes the concatenation of the binary words A and B.



04 SatelStar satellite development

For development and manufacturing through private satellite technology holding companies, we will proceed with the development of hardware and algorithms for satellite launch vehicles with the satellite research team of leading US universities.

The focus of the development is heat resistance, communication safety, security, and durability for at least 20 years of operation in mid-Earth orbit. In particular, it is manufactured through New Materials Engineering at the American Institute of Technology to reduce the weight of components to reduce costs when launching satellites. We plan to proceed with manufacturing parts with new materials.



05 SatelStar trajectory and launch plan

Since it is the first launch in the early stage of the project, we are planning to operate it on the low-mid orbit, not the high-orbit, which has a high technical and cost burden. By operating on the Iridium orbit, a typical commercial operating orbit well known as the operating section of Iridium satellite phones, it minimizes radio wave interference with adjacent low-orbit satellites and secures an orbit that can provide maximum commercial service. For satellite launch, we coordinate the launch schedule with the R&D schedule to optimize costs by adopting a joint launch method when launching other satellite projects through a private launch company in the United States.

06 SatelStar introduction economic model (Business Models)

- Satellite R&D institute

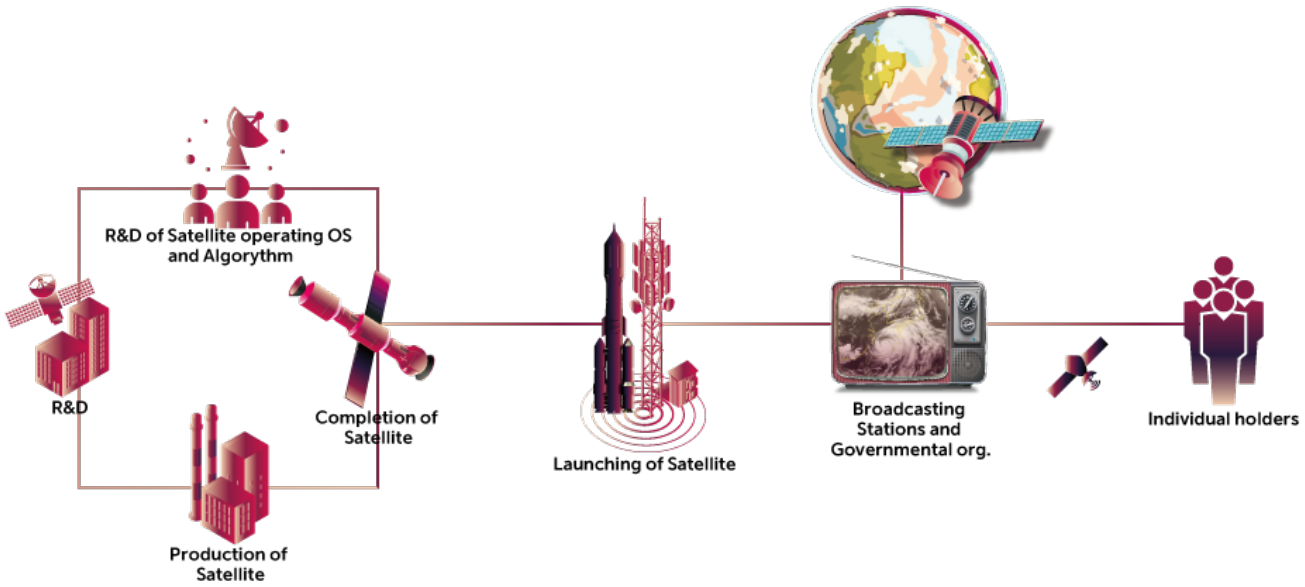
The contract proceeds in the form of simultaneously securing patent rights for the developed technology while paying research funds to other satellite technology development companies and institutions, using liquidity through coin issuance, led by universities with specialized satellite research institutes. With the secured patent right, additional revenue is generated through technology transfer agreements with other satellite operators.

- Satellite broadcasting company

This is where the biggest revenue stream will come from. Recently, global sports satellite transmission rights have risen so much due to the market monopoly of existing large companies, international sports organizations, broadcasting production organizations, and intelligence agencies are doing their best to secure satellite transmission services provided at competitive prices. We are preparing for satellite transmission contracts with over 30 broadcasting/sports organizations in more than 12 countries within a short period of time after launch by significantly lowering the unit price of satellite transmission in consideration of the low unit price and the royalty income to be generated.

- Individual participants in satellite business

SatelStar Coin holders will be recognized for their shares in patent rights and core technology transfer royalties acquired during the satellite outsourcing development process, and we plan to provide equity returns for future technology transfer profits.



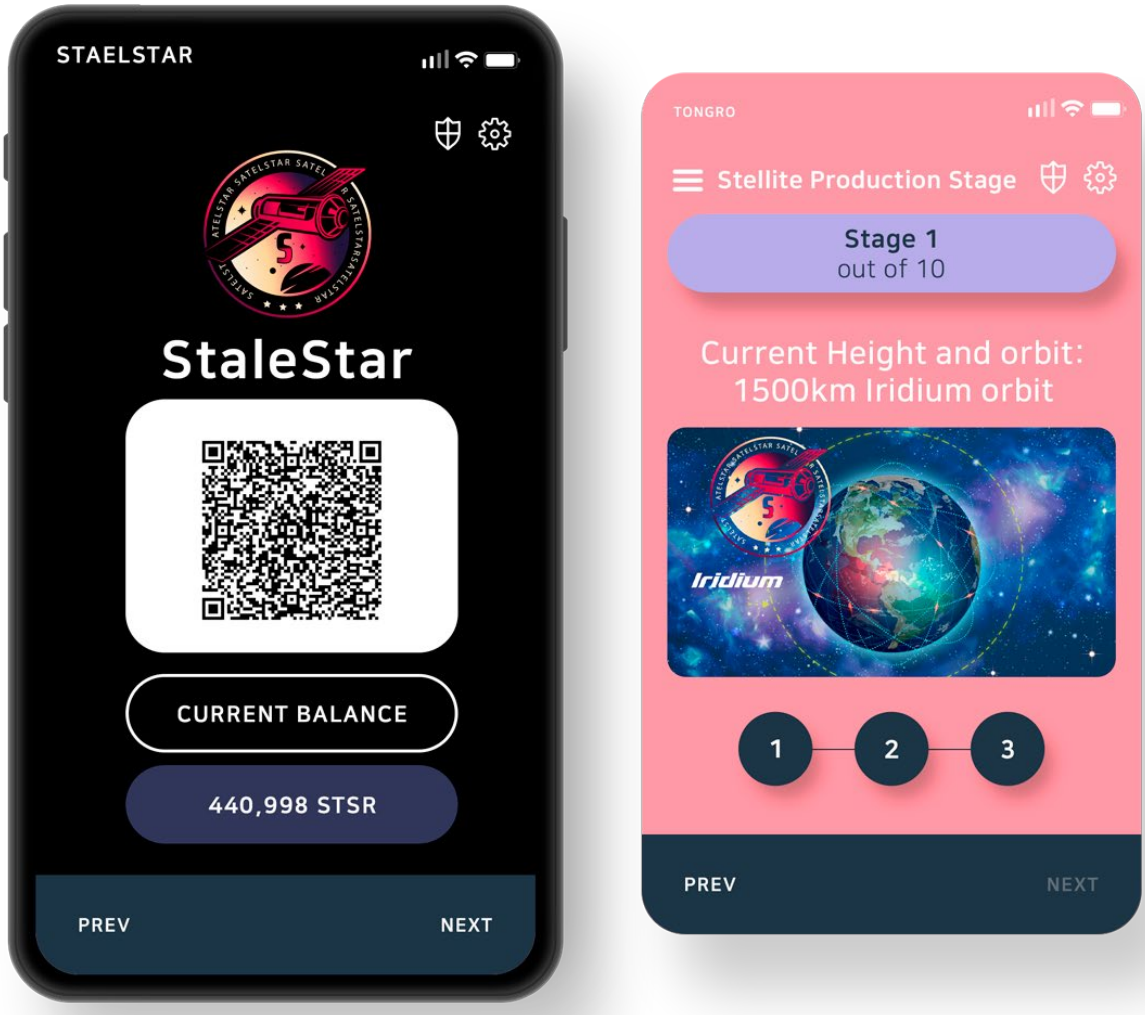
07 SatelStar R&D Funding Incentives

As a new satellite business development, cost/operation optimization through the development of new materials, new technologies, and operation algorithms is the key. To this end, we provide additional incentives for each purchase quantity in view of securing R&D (technology development) funds early.

Purchase amount	Satellite R&D Fund
1~30,000	10%
30,001~35,000	20%
35,001~	25%

08 SatelStar Wallet

It is a wallet with functions such as safe management, holding, transmission, and transaction of coins. We plan to release an app-type wallet that allows you to check the working process and production stage of the satellite in production, the current orbit and satellite status after rocket launch, the status of businesses participating in the satellite business, and the status of orders for relay rights in real time.

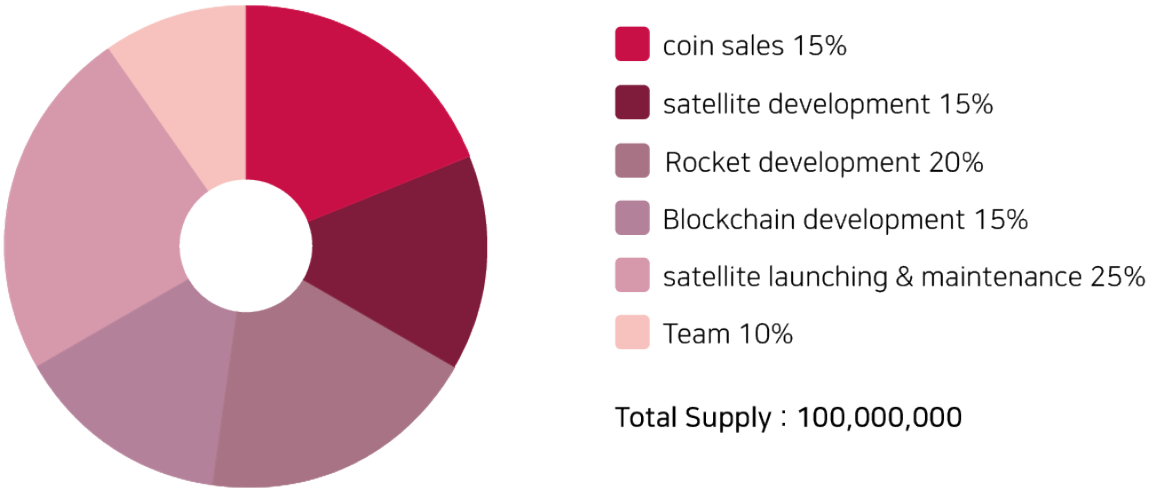


09 Coin Distribution and Usage Plan

As a global project, various companies participate. As the development of battery materials is the key to success or failure, we have allocated the highest 30% of funds to this field. In addition, 20% was allocated to manufacturing line mergers and acquisitions or production line use through developed new materials.

We conduct aggressive sales and marketing by allocating 10% to corporate sales and mass marketing for other automakers.

Total Supply		100,000,000
coin sales	15%	15,000,000
satellite development	15%	15,000,000
Rocket development	20%	20,000,000
Blockchain development	15%	15,000,000
satellite launching & maintenance	25%	25,000,000
Team	10%	10,000,000
Sum	**100%**	**100,000,000**



Coin Name : SatelStar Ticker: STSR protocol: ERC20 Base: Ethereum

10 Roadmap

2021

- **Q3** SatelStar established
- **Q4** Satellite Operation algorithm developed

2022

- **Q1** SatelStar platform and wallet development start
- **Q2** Satellite manufacturing new material development
- **Q3** Global Top Exchange Listing and Wallet Launch
- **Q4** Broadcasting Rights Negotiation

2023

- **Q1** Listing on top exchanges in Asia and U.S.
- **Q2** Platform type wallet launched
- **Q3** SatelStar satellite launch schedule confirmed
- **Q4** SatelStar platform upgrade

11 Disclaimer

1. This white paper was produced for the purpose of guiding SatelStar's business, and the schedule and detailed plans may change due to market conditions, and this will not be notified in advance.

2. The version of this white paper is written as of the date indicated at the bottom of the document, and the content of this white paper reflects only the direction and progress of the business up to that date, and may be changed at any time after the date of writing.

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7. Under no circumstances does SatelStar guarantee income and profits such as financial interest. In addition, under no circumstances shall SatelStar's buyers interpret MR's purchase as an act for investment and monetization, nor shall anyone understand or recognize it as an entity that can obtain financial income such as return on investment or interest.

8. SatelStar is fully functional at the point of transmission.

9. This white paper does not guarantee the integrity of THE SatelStar's business, and the parties to the agreement seeking to use SatelStar shall provide THE SERVICES of SatelStar to the extent possible. The content of this white paper is not responsible for, and cannot be held responsible for, any errors and delays in schedules that may occur in the course of service delivery and development.

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12. The creation of ecosystems may be delayed or other intangible losses may occur due to reasons unintentional by SatelStar, such as system attacks from third parties, natural disasters, and irresistible drag reasons.

13. SatelStar is not responsible for buyer's risks resulting from the loss and leakage of the Buyer's Personal Key.

14. It is not free from all risks, including falling coin values and changes in the market environment, uncertainty, political risks, competition from competitors, etc., which may result in the suspension of the development of SatelStar or changes in the direction and plan of the service.

15. SatelStar is a technology in development, and changes in technology that may occur during the development of the technology can negatively affect SatelStar.

16. SatelStar shall not delegate or transfer to others any decisions, including the operational policies and disruptions of the ecosystem, and all decisions shall be made at the discretion of SatelStar.