

EAFAS
energy as a service

Lite paper EAAS

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- 01 legal notice
- 02 executive summary
- 03 abstract
- 04 green energy market status
- 05 one-line EAAS explainer
- 06 proposed solution
- 07 how to get an EAAS.token
- 08 token distribution
- 09 rewards for EAAS.token/exchange wallets
- 10 blastoff summary





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Abstract

Decentralized Energy has a potential for mass change of environment based on any natural (green) source of electricity.

There is a glaring need for service that will aggregate liquidity, facilitate and automate energy trading with more security and efficiency, and provide better usability and transparency for any user.

Individuals and organizations are willing to recognize this potential as legitimate disruptor to the traditional framework of fossil sources. However, existing power plants across the spectrum, primarily due to errors in design and implementation, have predominantly failed to realize this massive potential at the speed needed to save our planet. From inception, EAAS token is designed to overcome these obstacles and, in doing so, behave as the quintessential governance model for other energy and institutions to emulate.

This cooperation is recognized as the basis to **Energy-as-a-Service**.





Exec summary

Energy As A Service (EAAS) market was valued USD 10.6 billion in 2017 and is presumed to reach approximately USD 51.8 billion by 2023.

MARKET

The market growth for global EAAS market include rising adoption of distributed energy resources (DER), decarbonization of global economy, transformation of transportation sector through electrification such as introduction of electric vehicles, and increased focus on sustainable energy. The Energy as a Service (EAAS) market is projected to expand at 31.2% CAGR.

USER

A simple approach to estimating the maximum possible energy production of society in the future would be to assume that the population reached its sustainable maximum and that the per capita energy consumption would be the same worldwide as it currently is in industrialized countries. The future is green sustainable energy. Our hardware technology register in digital token produced by green energy source with the following decentralized exchange is an answer for change.

TECH

We ensure that the source of energy is valid, can be trusted and maintained close to end user location. The challenge we face is to facilitate information sharing in a decentralized network, without centralizing the information or the network for the exchange.

VALIDATION

EAAS.TOKEN with EAAS.DAX will follow energy prices and grow with them to serve user with green energy source.

RAISE CAP

6.15 m USD





Introduction and Rationale

Global demand for energy is growing, driven by population and economic growth. Emerging markets are expected to account for 90% of energy demand growth by 2035¹. The rising demand creates challenges such as higher greenhouse gas emissions, which contribute to global warming. At the same time, there is an unacceptably large number of people in these economies without access to electricity. These challenges create opportunities.

The EAAS.global aims to earn healthy returns while contributing to global clean energy production. The EAAS.token provides investors an opportunity to raise living standards in emerging markets, provide access to modern energy services and reduces the reliance on fossil fuels.

Solar energy is fast becoming a primary source of global power. The International Energy Agency (IEA) predicts that installed solar photovoltaic (PV) capacity will overtake other forms of energy, apart from gas, by 2040².

Solar energy in emerging markets is a particularly compelling growth market. A lack of legacy energy infrastructure, particularly in Africa, provides a unique opportunity for renewable energy such as solar to leapfrog developed nations in renewable energy adoption. This is already happening as emerging markets account for 63% of new investments in wind and solar, overtaking both³ Germany and the United States. This growth is driven both in terms of need and increasing cost efficiencies.

Emerging markets have also seen electricity costs rise faster than inflation. Reasons for this include inefficiencies in state-run organizations, the increasing costs of running existing power stations, subsidizing the building of additional generation capacity, and increased corruption. This provides a compelling investment case as solar technology rapidly becomes more cost efficient while competitors (utilities providers) increase their prices.

Energy Price Increases exceeding general price inflation in South Africa⁴.

Solar will see the highest growth in emerging markets such as South America, Asia and Africa in the coming years, driven by strong energy needs. The EMS Fund has partnered with the Sun Exchange to initiate the Fund, given their strong presence in the African market and their stellar track record to-date.

As the Fund grows, it will expand its partners to include solar projects in other emerging market regions to aid in diversification and broaden impact.





Benefits of a Token

1

Diversification

It is well documented that diversification lowers investment risk. The EAAS token will deploy green energy use across multiple grid operators with different geographical, commercial and return profiles to provide a degree of downside protection.

2

The EAAS token will automatically reinvests earnings, which results in a boost to energy producer as a result of the compounding effect. Yields from solar energy are paid monthly by EAAS.token and will be immediately reinvested in margin lending and/or additional energy units. This way, the EAAS can ensure that returns are optimized by minimizing the time between users of power and producers cells for earning returns in newly commissioned projects.

3

Potential tax benefits

In most jurisdictions, interest income is treated as income tax, whereas the sale of an investment is treated as capital gains tax. Broadly speaking, capital gains rates are often lower than income tax rates. This translates to potential tax savings from investing via token structure. Please note that this does not, however, constitute tax advice; relevant advice should be sought from a local tax professional.

4

Liquidity

A portion of the EAAS.token will be allocated to a dollar based liquidity pool providing investors 24/7 liquidity through a smart contract. The liquidity pool will be refilled via energy sale or token exchange. The size of the liquidity pool will be 5% of Fund value and will be optimized over time.

Global energy demand will grow along with the development of emerging markets. The World Energy Council forecasts global demand for electricity to grow in the region of 45-60% from 2020 to 2045. The report finds that developed markets (North America & Europe) will experience peak demand during this period whereas emerging markets will be the dominant drivers of this growth.

Solar and blockchain technologies have advanced in parallel throughout the last decade. These technologies' combined potential is now being realized. Several new blockchain solutions for the energy industry have emerged in the last two years. However, despite slight variations in their approach and targeted geographies, most current providers focus on enabling peer-to-peer energy trading. This model is prone to regulatory barriers and is challenging to scale internationally.





Elevator pitch

EAAS as energy as service - in a capsule explanation:
- a digital token of green energy created by Your source or proven by trustee, to be used, store or swap on energy exchange.



Proposed solution

The gap in energy market starts with the interface we use and that is where EAAS true power lies. EAAS bridge this gap by providing essential tools for new and experienced users—with a user-focused, feature-packed, secure, and easy-to-use interface. We propose a new Decentralized Exchange with new protocol and platform as a solution to the above-mentioned problems, which we have named EAAS.

Empowers the users to keep storage of their own energy units to use in time of need, optimizing use for the users without compromising energy sources.



Shortterm

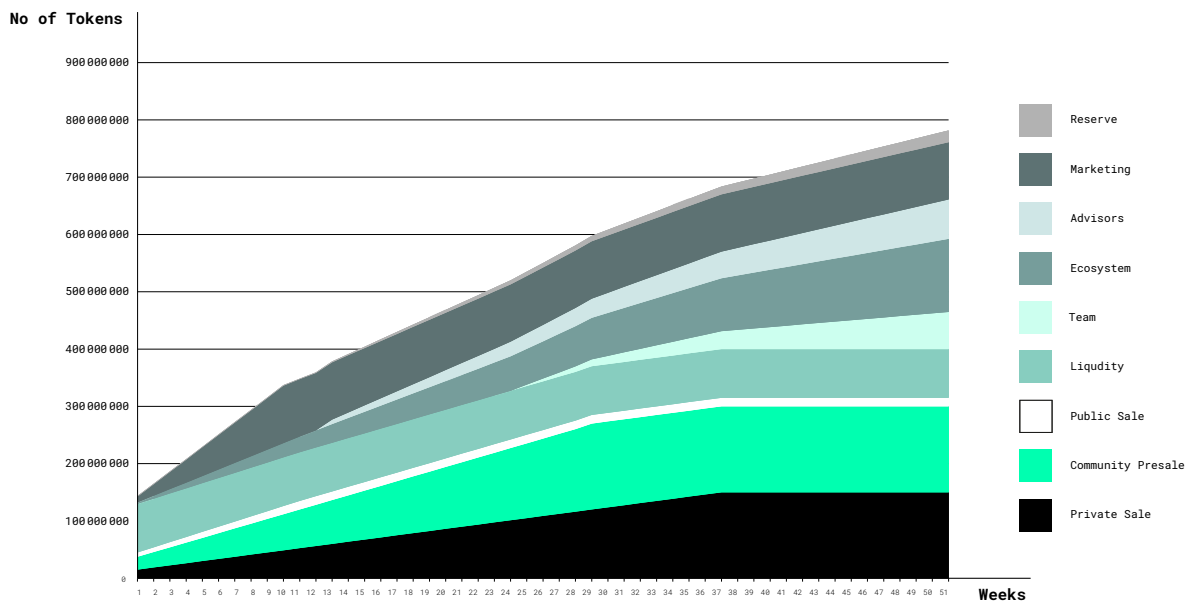
In the short term, EAAS is designed to be a green energy tokens producer focused on hardware box based on ERC20 that supports frictionless decentralized applications (dApp) integration and intuitive cross-chain swapping. EAAS token will feature seamless token generation and the ability to send, stake, and swap tokens.

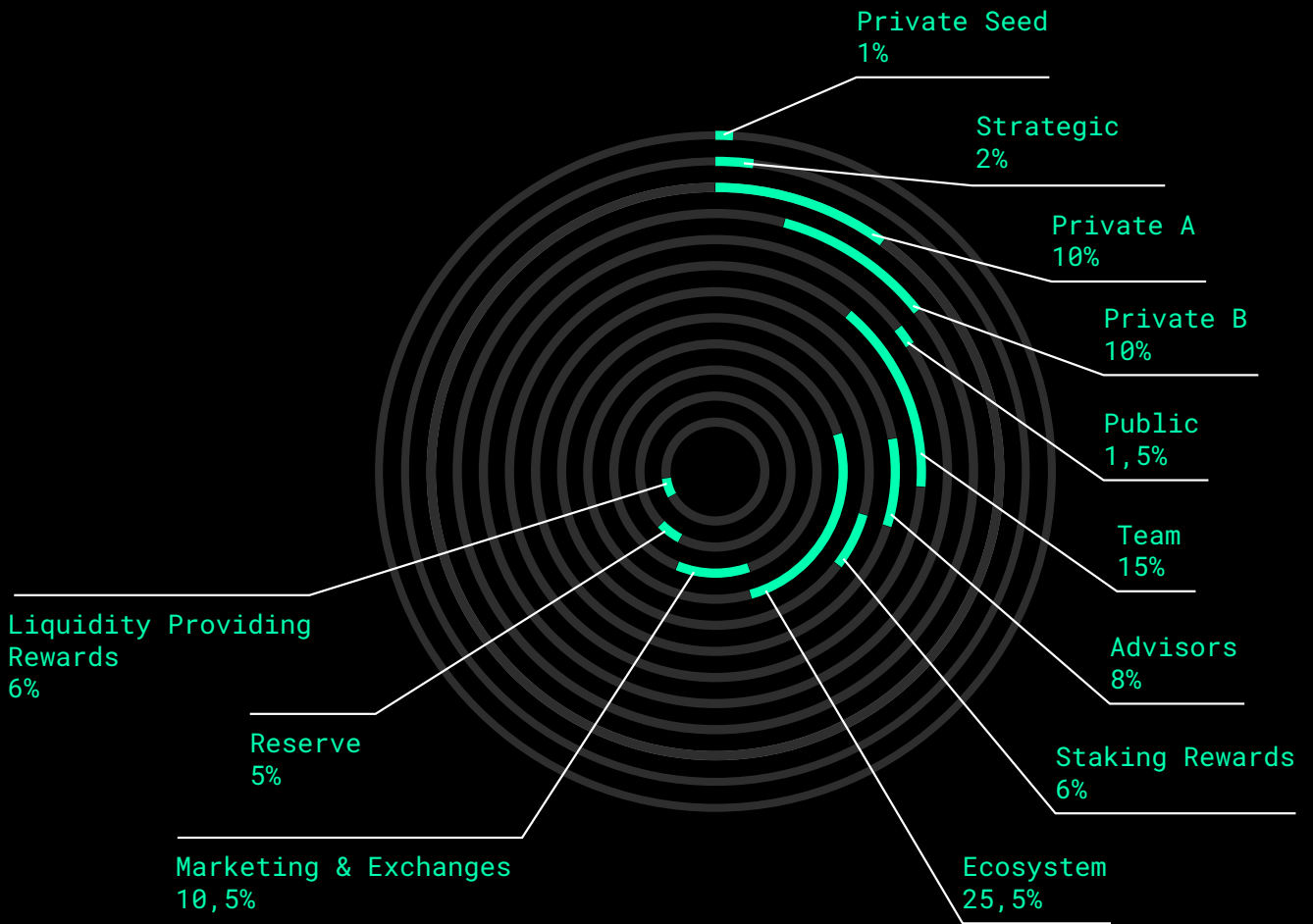


| TOKENOMICS | | | | | |
|--------------|-------------------|-----------------|----------|----------------|--------------|
| | % of total supply | how many tokens | price | total raise | in BNB |
| Private Sale | 1% | 10 000 000 | \$0,0100 | \$100 000,00 | 160,359844 |
| Strategic | 2% | 20 000 000 | \$0,0150 | \$300 000,00 | 481,079531 |
| Private A | 10% | 100 000 000 | \$0,0200 | \$200 000,00 | 3 207,196870 |
| Private B | 10% | 100 000 000 | \$0,0300 | \$300 000,00 | 4 810,795305 |
| Public | 1,5% | 15 000 000 | \$0,0500 | \$750 000,00 | 1 202,698826 |
| | | 245 000 000 | | \$6 150 000,00 | 9 862,130376 |

| LOCKUPS | |
|-----------------------------|--|
| Private Seed | 3% TGE, rest unlocked every block for 16 months |
| Strategic | 3% TGE, rest unlocked every block for 13 months |
| Private A | 4% TGE, rest unlocked every block for 10 months |
| Private B | 6% TGE, rest unlocked every block for 8 months |
| Public | 10% at TGE, rest unlocked monthly over 6 months |
| Team | 6 months lockup, rest unlocked every block for 22 months |
| Advisors | 6 months lockup, rest unlocked every block for 22 months |
| Staking Rewards | 3 months lockup, rest unlocked every block for 36 month |
| Ecosystem | 1 month lockup, rest unlocked every block for 48 months |
| Marketing & Exchanges | 2 weeks lockup unlocked every block for 20 months |
| Reserve | 6 months lockup, rest unlocked every block for 36 months |
| Liquidity Providing Rewards | 3 months lockup, rest unlocked every block for 36 months |

EAAS TOKEN RELEASE SCHEDULE





Token allocation

| | |
|-----------------------------|-------|
| Private Seed | 1% |
| Strategic | 2% |
| Private A | 10% |
| Private B | 10% |
| Public | 1,5% |
| Team | 15% |
| Advisors | 8% |
| Staking Rewards | 6% |
| Ecosystem | 25,5% |
| Marketing & Exchanges | 10,5% |
| Reserve | 5% |
| Liquidity Providing Rewards | 6% |



Longterm

In the long term, EAAS will ultimately be a decentralized green energy exchange with chain agnostic Web3 functions, and an all-in one platform that enables interchain & cross-chain swapping, liquidity locking, fiat purchase of crypto, and hardware plugin integration with 3rd party partners.



Summary global word:

”Government will encourage competition within energy markets.”

: Some examples such as those in Norway indicate that competition is not always the best as demonstrated by the Norwegian case where a competitive market introduced in the electricity market initially reduced prices but subsequently led to an increase in the electricity prices.

: In Brazil, it has been found that competition works but this required a concerted effort by Government and private players alike. In electricity generation (Hydro), SOEs, private companies and IPP's participate in a competitive market. Some of the results showed that competition in transmission market made it the cheapest service provider and that there was 20% load reduction through competition. Given the Brazilian case it shows that competition works, but privatization is not a prerequisite.



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