

Algorand (\$ALGO)

Revolutionizing blockchain with unparalleled speed,
efficiency, and security for global transactions.

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Challenges in Cryptocurrency and Blockchain

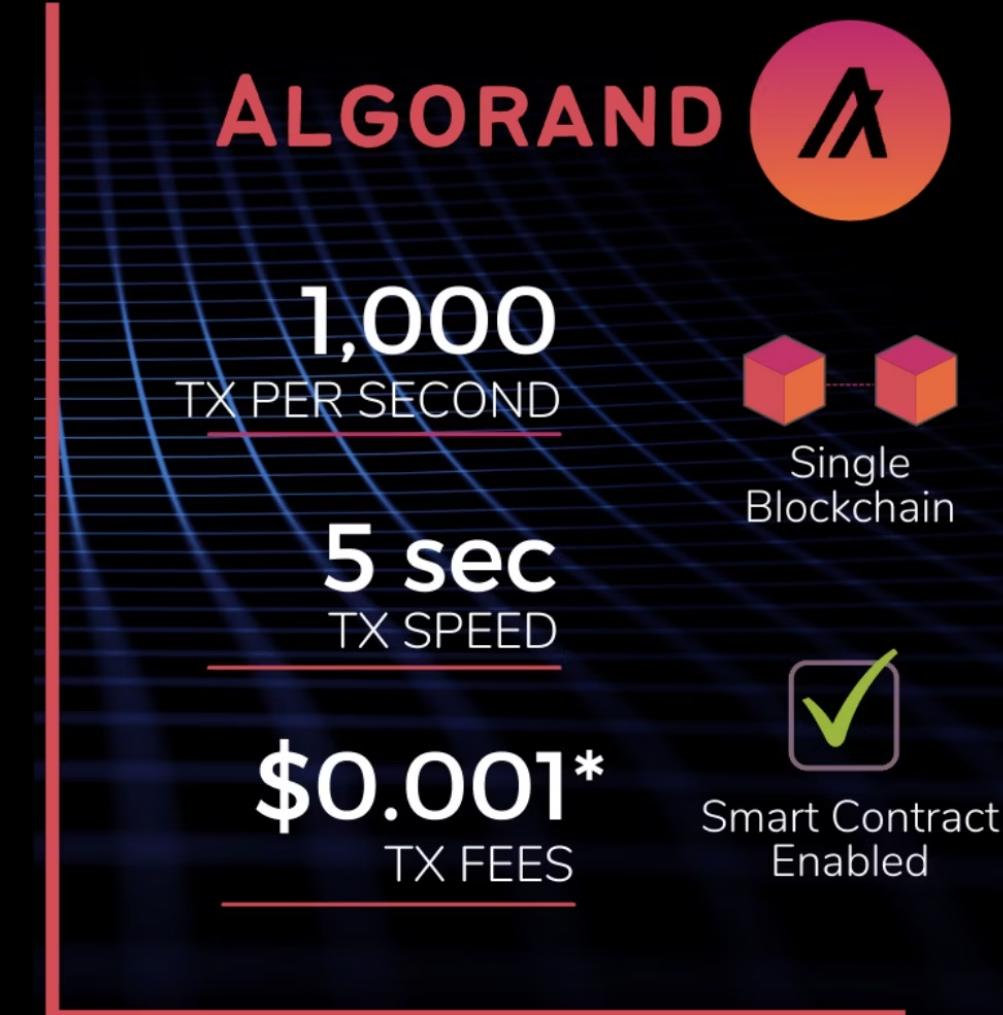
significant trade-off between the *latency of transactions* versus *confidence in their confirmation*.

**Bitcoin
transaction's take
an hour**

Posing major inefficiencies for
real-world users and businesses.

Delays hurt trust in crypto and limits use for daily transactions like *retail purchases and asset transfers*.

Latency slows down financial operations and transaction processing for *businesses*, *leading to cash flow and efficiency issues*.



Algorand's operation in a permission-less environment, ensuring robust security and efficient transaction speeds for unlimited users without vetting. Challenging traditional payment processors.

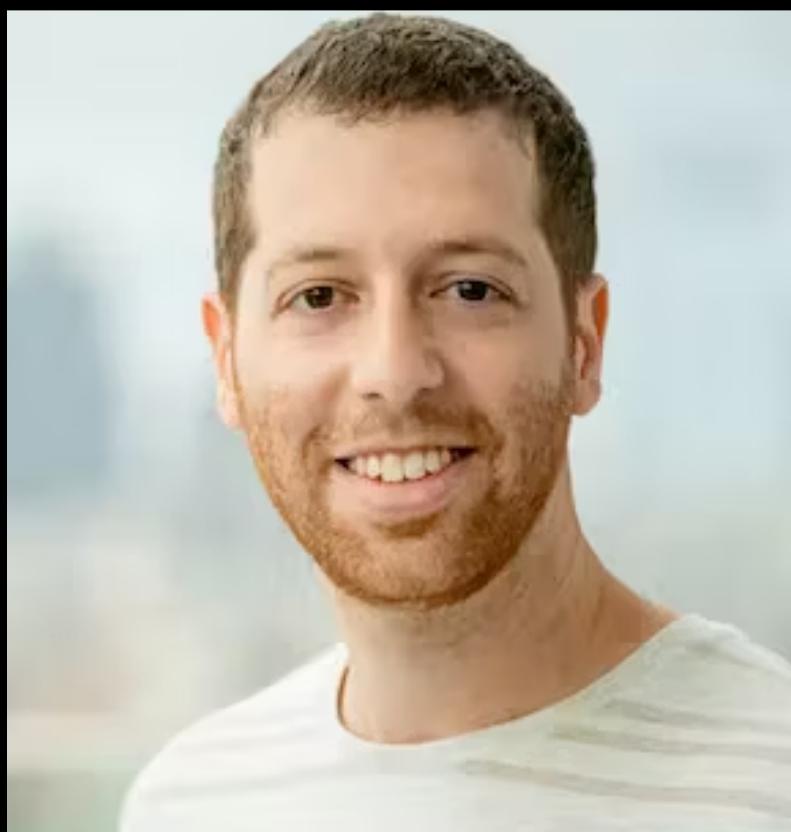
The Team



Silvio Micali

Founder

- World's foremost authorities on mathematics, CS, and cryptography.
- Co-inventor of Zero-Knowledge Proofs and holds a total of 47 patents in various fields from random number generation to electronic transactions.
- Turing Award winner for Computer science and the RSA prize for cryptography.
- PhD in Computer Science from the University of California at Berkeley



Yossi Gilad

Head of Systems Research | CTO

- Work focuses on the design, construction, and analysis of secure and scalable networked systems.
- Research and Engineering positions at Google, Israel Defense Forces.
- Postdoctoral Researcher at MIT
- Recipient of the IETF/IRTF Applied Networking Research Prize (2017), IBM Research Inventor Recognition Award (2015)

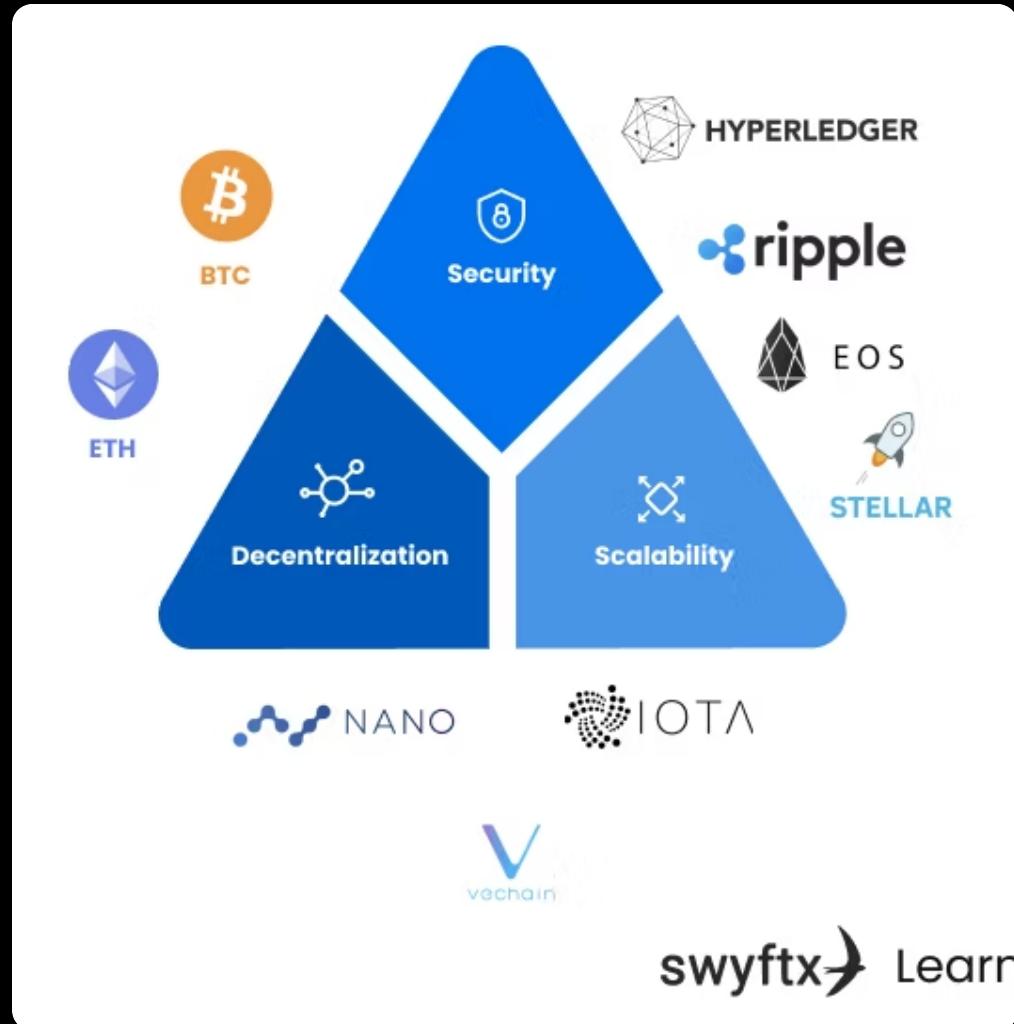


Chris Peikert

Head of Cryptography

- World leader in lattice-based and post-quantum cryptography. Research has heavily influenced several proposals that have advanced several rounds of NIST's ongoing post-quantum cryptography standardization process.
- Received Ph.D from MIT in CS in 2006 under supervision of Silvio Micali.
- Test of Time award from theory of Cryptography Conference

Algorands Three *Beliefs*



- 1. Technological Innovation can and should be used for the betterment of Society**
- 2. Blockchain offers enormous potential to improve how organizations and societies operate.**
- 3. This potential cannot be achieved by inspiration alone, but only through breakout technology.**

Algorand's Two-Layer Architecture

Transaction Layer 1

The transaction layer is the most secure, responsible for processing and verifying regular transactions on the Algorand network.

- smart contracts that are executed on the network
- responsible for ensuring valid transactions

Network Layer 2

The network layer is responsible for managing the communication between nodes efficiently . The network layer is responsible for ensuring that **large and more computationally intensive transactions** are processed in a decentralized and secure manner.

Pure Proof of Stake (PPoS)

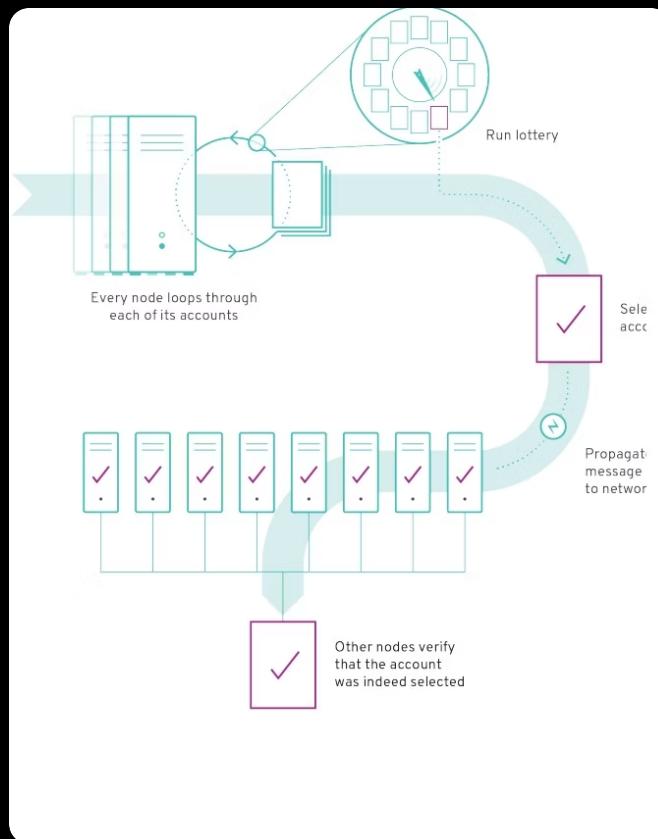


Algorand's strength lies in the collective honesty of the majority, this dynamic ensures that the system remains secure as long as the majority acts in honesty and good faith.

How Does it Work?

Step 1: Selection of Proposers

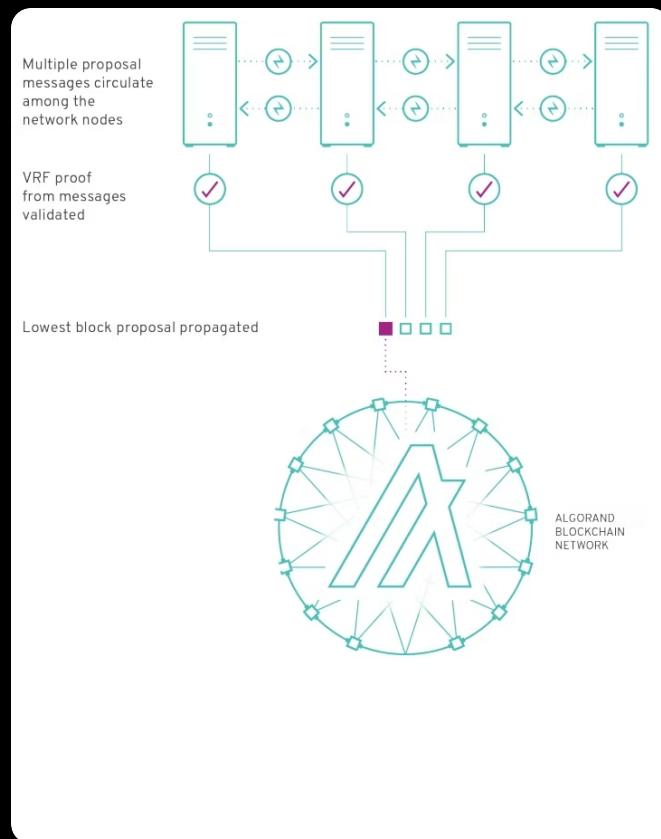
Random selection, weighted on your quantity of Algos. Sort of like a **lottery**. Each participant runs a random verifiable function (VRF), after a selected committee will vote.



Step 2: Assignment

Each committee member receives, a cryptographic proof and a priority number.

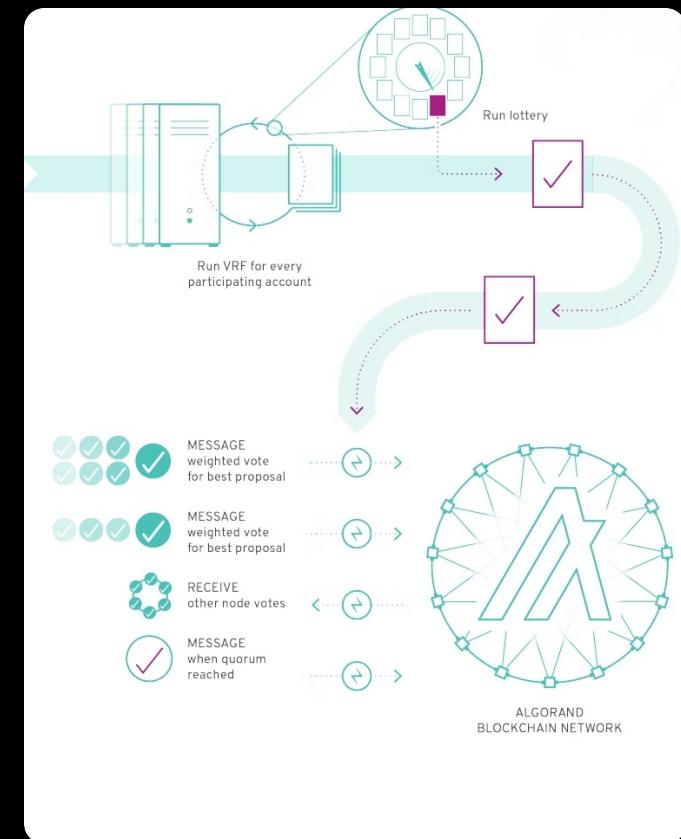
Privacy: No one knows the identity of selected lottery winners until after.



Step 3: Vote, Agree and Transact

The group of computers selected to vote is called the **soft vote committee**, they will compare the priority numbers of received blocks and vote on the one with the highest priority.

Finally, the VRF is ran once more to select a final committee (**certifying committee**), validating previous committee's honesty. Block is accepted, forever on chain, or it is denied.



All of this happens in under 5 seconds!

Tokenomics & Governance

A Tokenomics

Paying for transaction fees

Governance

7% APR for proposing & voting on changes

⚠️

Don't withdraw from the committed coins during the 3 months period

You need to commit your coins for 90 days

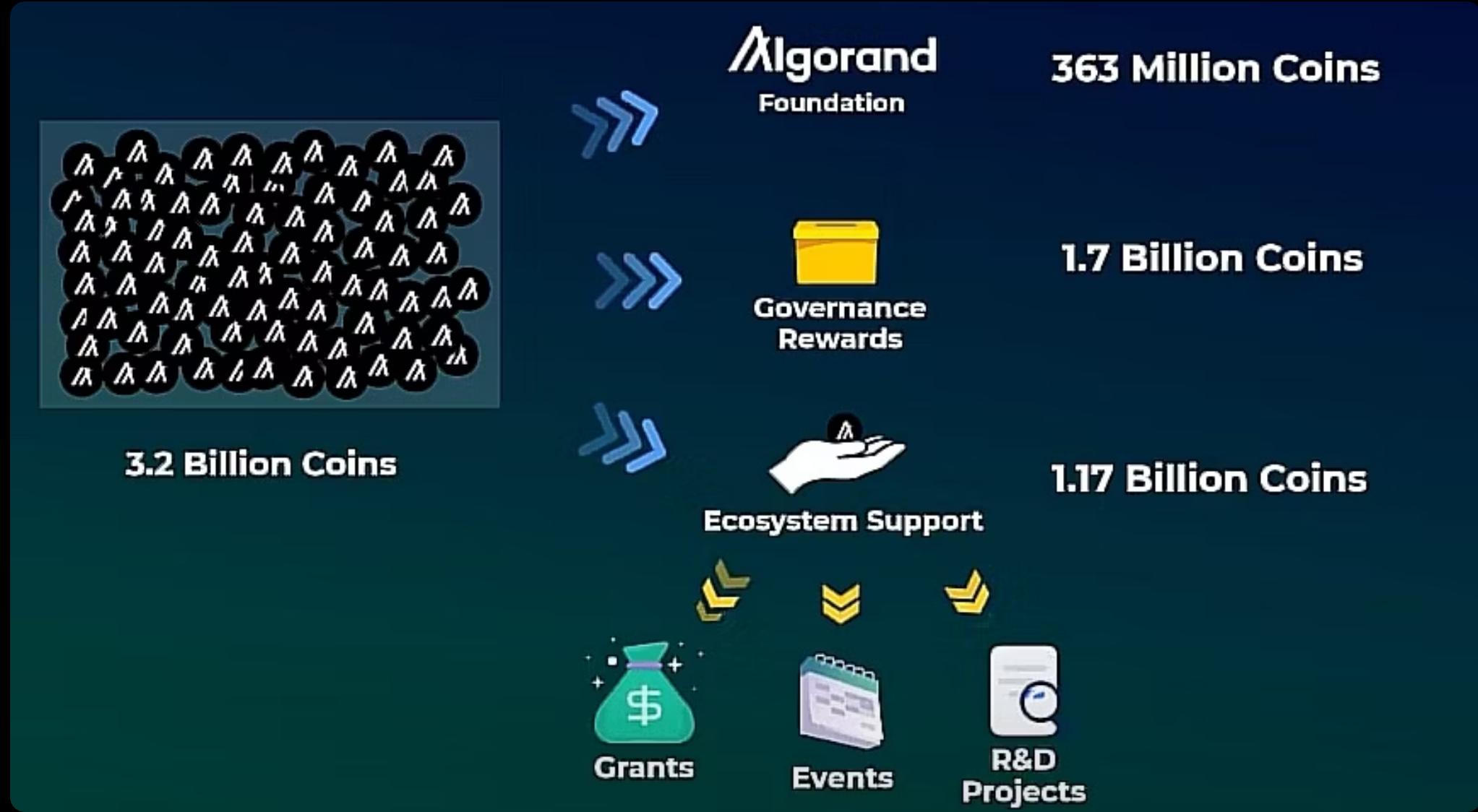
There is no minimum amount you need to commit

Algo coin has two main uses,

1. Paying for transaction fee's on Algorand
2. Participating in Governance. Currently you can earn around 7% and up to 15% APR for proposing and voting on changes.

To claim rewards you must commit your algo coins for a 3 month voting period. There is no minimum amount you need to commit. However, you cannot claim rewards if you withdraw.

- This model is designed to be more inclusive and democratic
 - Gives average holders a say in the project



Tokenomics continued

10 billion coins, all of them which were minted at launch but unlocked gradually over time until 2030.

Right now ALGO is an inflationary coin, and currently there are around 8 billion ALGO coins circulating in the market. The picture is a little outdated, however, it provides a good overview of how the coins are going to be distributed.

The distribution is as follows:

- 363 million coins to the algorand foundation
- 1.7 Billion Coins will be given to users as governance rewards
- 1.17 billion coins will be allocated to supporting the ecosystem through grants, events and R&D projects.

The Foundation's role on fostering the growth and the decentralization of the ecosystem is evident.

Creating Tokens on Algorand is Simple



Creating tokens on Algorand



Standard asset protocol
(ASA)



Easier



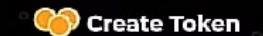
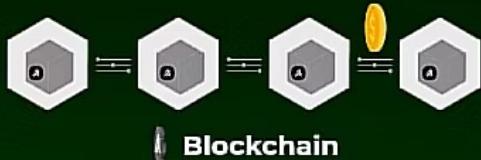
You don't need to write
any code



Like



ERC - 20 Standard



Name

URL

Total Supply

Decimals

Create



Algorand (ALGO) presents a compelling investment opportunity in November 2023



Recent Price Action & Market Sentiment

- Algorand has recently shown significant bullish momentum, with a 13% rally since October 28 and an overall increase of more than 2% in a single day, outperforming the broader crypto market. This uptrend is a positive indicator of the market's confidence in ALGO.
- The ALGO price action displays a channel breakout rally, reaching the 200 day EMA, with the potential for a golden crossover event. This technical indicator, along with the recent bullish reversal accounting for a price jump of almost 35% in the last 20 days, points to a robust upward trajectory.



- **Yellow line = 200-EMA, weights recent data.**
- **The 20-day Simple Moving Average (SMA) is represented by the blue line, which is recent over a shorter period of time.**

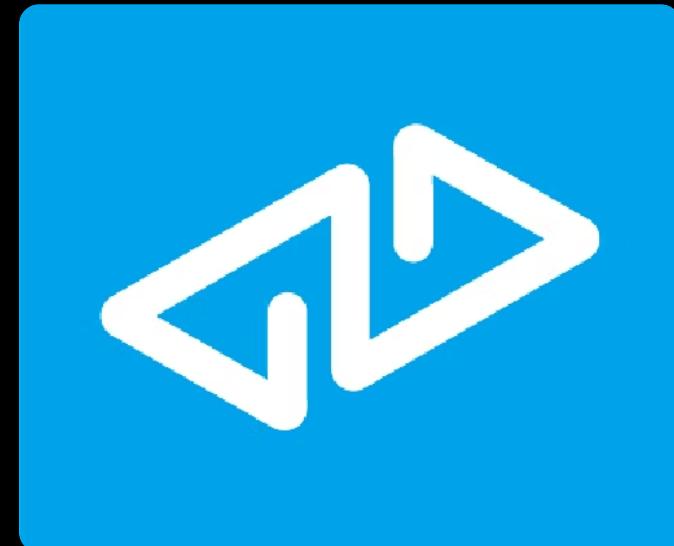
Key Observations:

- Lowest price points breaking above EMA = less severe pullbacks, buyers entering at higher prices. Price touching (not breaking below) 200 EMA = support areas. EMA acts as dynamic uptrend support.
- Even after a large dump at recent ebbs large uptick candles and higher volume bars coinciding with price increases can confirm the strength of the move
- Lastly we can see a potential **Moving Average Crossover around the end of October**. This is a good indicator for the “Golden Cross” when the shorter SMA crosses above the 200 day EMA.

Real World Use cases

- Algorand also provided the official blockchain-supported wallet solution for the 2022 FIFA World Cup in Qatar.
- The Bank of Italy has selected Algorand to serve as its public blockchain platform.
- Will be the first time an EU member state uses blockchain technology for bank and insurance guarantees.
- Hasab Pay; payment app for bankless in Afghanistan. ~1600 vendors and almost three million transactions on Algorand so far. Becoming one of the fastest growing payment app solution in Afghanistan.

FIFA

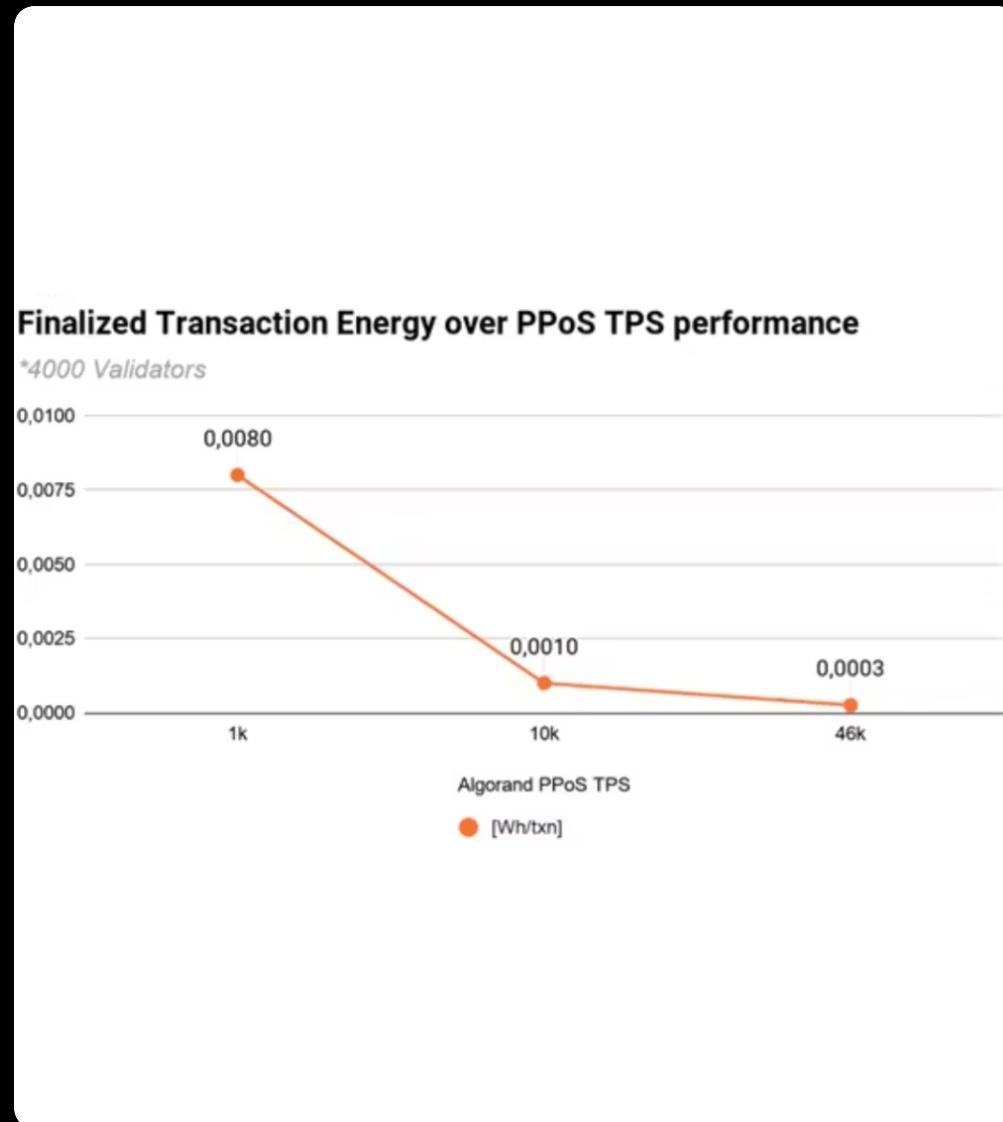


Environmental features

Hardware power consumption per transaction continues to decline.

Algorand is not only carbon neutral, but they also have a positive impact on the environment.

Partnered with Global Carbon Holding where the blockchain is used to tokenize carbon credit assets in Asia and support a global marketplace where users can buy certified carbon assets.



Fund Recommendation

Price: \$0.13

Action: 0.5 ETH

Thank You

