

The tech behind <https://polygon.technology/>, [rollups in Ethereum scaling solutions](#), [Polkadot](#), [Tron](#), [EOS](#), [Hedera hashgraph](#) and [Eth 2.0](#). It is based on validator concept and includes either proof of stake or proof of authority. Users need to trust the platforms and is centralized consensus algorithm. They have very low transaction fees of about 0.01 USD to 0.30 USD per transaction.

[Current ethereum](#), [Ethereum Classic](#), [Bitcoin cash](#) and [Blockstack](#) use proof of work with smart contract feature. They have or will get transaction fees. But they are decentralized and secure. Blockstack runs on top of Bitcoin by using Bitcoin's hash power which makes it efficient. Other's have their own miner groups.

[Chia](#) is a unique and new blockchain which is also proof of work but based on storage instead of computation. This makes it more decentralized as miners don't need specialized hardware. An article about Chia is at <https://edition.cnn.com/2021/05/06/investing/green-cryptocurrency-chia/index.html> Their website is at <https://www.chia.net>

[Algorand](#) is also unique in that it uses Verifiable Delay Function (VDF) for consensus. They have very low transaction of about 0.001 USD dollar per transaction. They are secure as everyone who hold Algorand crypto can be involved in consensus which makes 51% attack tough. They are not decentralized as it requires the Algorand servers to decide which Algorand wallet should be involved in consensus. They are centralized in the sense that shutting down of Algorand servers would bring down Algorand blockchain transactions.

One of the founder of Algorand is an Alan Turing Awardee. His profile is at https://en.wikipedia.org/wiki/Silvio_Micali

In my opinion, Algorand best fits the needs of eco friendly NFT as it has very low gas fee which translates to lesser environmental impact and is reliable enough to be used for artists etc.