



The Unique Solution for Real Estates

Market deck White paper

EtherLandID Etherland.world

SAVING REAL ESTATE FROM OBLIVION

"The real-estate market has a major underlying issue no one notices unless being specifically told. On top of being very opaque in places, it is highly centralized. So is its data, thus being exposed to dramatic losses waiting to happen. At Etherland, we plan to solve the issue by bringing a new extremely sane storage solution to the whole industry. We are set to shake the world." Alexis Brand Etherland's CEO

VISION

Making every acter a direct player in curating and adding data to a publicly available and secure register, which they can use in an obvious and easy way while making sure the transition happens smoothly without compromising information quality. It has been proven to be the most efficient method to selve the industry's inherent issues.

MISSION

Saving the real-estate from oblivion and granting users critical decision-making information. The Estatepedia stores and tracks ownership history, renovation works, deeds, EPCs, norms, etc... of every registered property. It makes every participant a direct acter in data preservation and grants the user power over his own data.

Ethereum and IPFS work together to achieve this feat. Our Ethereum smart contract acts as the ledger for major transactions and changes, while IPFS acts as the store of data tied to and stamped by it.

Furthermore, as we fill the Estatepedia, we are changing the real estate industry to make it a natural hedge against crisis and inflation, removing the administrative hassle and horrendous delays, thus increasing fungibility.



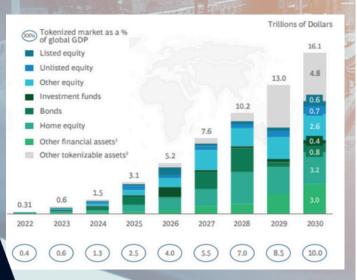
HUGE, SCARCE, STABLE AND PROMISING MARKETS

A Massive

Global Real Estate Market share,by type, 2021 (%) **\$3.7 T** Global market syze 2021

Great Hopes For Tokenization

Tokenization of global illiquid assets to be a **\$16 Trillion** business opportunity by 2030



Problem

High Registration Precarity

70% of land property in developing world is officially unregistred.

Estimates suggest that 70% of the world's population has little to no access to formai land administration systems, hence their rights are often neither recognized nor secured by governments.

Extreme ownership disparity

Less than 1 % of the population owns 70% of the land in UK.



In most OECD countries,less than 5% of the population owns land.

A SOFTWARE-BUND MARKET WITH FLAWS

A Tech-Averse Industry

Top 15 Real estate technology trends for 2020

1	Buying and selling websites	9	Mobile apps
2	Real estate management software	10	Property value estimation using Al and ML
3	Virtual reality	11	Digital twins
4	Real estate CRM software	12	Real estate crowdfunding platforms
5	Blockchain	13	Real estate Marleting automation
6	Big data	14	Drones and other high-tech devices
7	loT smart home automation	15	Artificail intelligence {Al}

8 Advanced analytics

<u>But Relying on Obsolete</u> Storage

94% of ail companies use cloud services in some from or another.

And overly exposed

<u>data</u>

90% of data generated is "unstructured"

That Keeps Growing



2021 2026

9 % CAGR with accelarating momentum

8.7% Estimation of year-over-year growth rate of 2022

31 % of growth will originate from **North America**

> **\$5.22 B** Market size growth

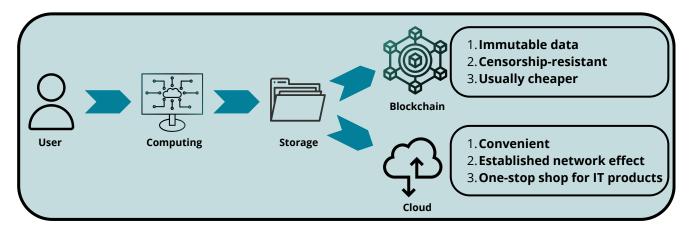


ONE SOLUTION

DECENTRALIZED MEANS OF STORAGE

Decentralized storage is part of the value chain of online computing

To understand where decentralized storage is headed, we must look at the bigger picture. Data storage is merely a subset of the larger value chain of online computer







ETHERLAND'S SOLUTION

Like most dominant industries, real estate seeks to keep its technological edge and competitiveness at all times and all costs. However, with real estate being anchored to its traditional aspects, the room for improvement is quite narrow. Thus, every acter leans in the same direction: conquering the vast lands of technology. In real estate, this goes by integrating 3D scans, Al, Big Data, VR, and aggregating platforms, thus even more data to establish models and statistics, etc ... But they don't realize that they keep adding outer layers of data onto a precarious base: unstructured centralized storage.



The real estate industry faces many challenges related to data storage, such as the risks associated with centralized storage, where data can be lost, tampered with, or not tracked properly. Unstructured data, which is stored in random places without proper labeling and routing, is also a tremendous problem.

To overcome these issues, we created our own IPFS decentralized storage infrastructure to bring persistence and content-addressing to the industry. Decentralized storage provides the redundancy and security necessary to attain persistence. At the same tlme, content-addressmg allows easy access to every file or folder without

having to know where their data is stored.



ETHERLAND'S CHALLENGES

Ownership history



Etherland guarantees a complete history of all public land data, including previous owners, transactions, and modifications brought to the data.

Transaction delays



The availability of legal documents in our storage system will drastically decrease delays by removing the hassle of finding documents we forgot we owned or the need to have them redone at legal offices.

Land double proof of ownership

All legal documents are stored in our

ecosystem, only separated between public and private files. Ownership titles, for example, will be displayed in the public filesystem. Anyone can consult them, whereas construction invoices, or other more private documents, will be added by users to their private folders.

Tokenize globally



is designed Our process to maximize user adoption across the board. It was tailored to serve our intent to reach every person. business, or state. We make it possible by providing a hands-on where approach anyone can participate in building the new global register and directly benefit from the joint effort.

ETHERLAND'S FEATURES

Property acquisition

- Smoothen the process and reduces the price of property transactions with less intermediation
- Increase the value of your property thanks to extensive clocumentation and our grading system
- Access many opportunities easily with the interactive map and the Estatepedia

Interoperability with Professional and State actors

- Allows professional to store and keep and history of their public, business-related documents
- Enable public entities like cities or states to have more depths to their cadasters, or even provide them with oar own, integrated and adapted to their needs

Decentralized storage and content-addressing

- Enables data persistence through redundancy, thus avoiding loss of critical documents
- Saves the real estate digital ecosystem from the upcoming disasters caused by enormous amounts of unstructured data

ETHERLAND'S ADVANTAGES





Immutable data collection

World first solution with IPFS



Quantum-proof storage



Real Utility Token Ecosystem

Decentralized Autonomous organisation (DAO)



Enhanced traceability



 $\sqrt{-1}_{O}$ Property ownership conflicts and O Property ownership conflic ⊘ □ dispute daims are reduced



Modernize the current



Increase property value



Ease the property review process and bring transparency to industries' activities



Facilitate transactions



Ease the user onboarding process with a comprehensive hands-on utilitarian approach



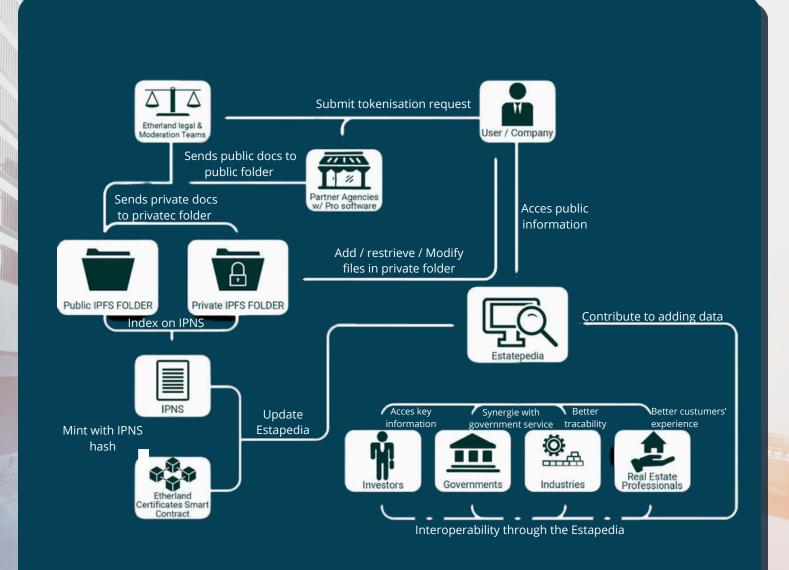
CRYPTOGRAPHIC REALITY AND QUANTUM-THREAT

In recent news, Chinese scientists claimed they had devised an algorithm for quantum computersthat could crack a popular encryption protocol, 2048-bit RSA.

An encryption-threatening quantum computer is around the corner if those claims are valid. It will be a disaster if the encrypted data of millions of users, including large companies, suddenly become public. It is why private companies and institutions need to accelerate their adoption of quantum-safe solutions to ensure the future of their and their user's data.

> Etherland's solution to deal with this threatening technological advance is to use another just as advanced, AES 256. AES-256 is the longest and strongest level of encryption that the AES type of encryption offers. AES-256 is believed to be quantum-resistant, like other symmetric encryption mechanisms. That means that quantum computers are not expected to be able to reduce the attack time enough to be effective if the key sizes are large enough. This is why the United States government uses AES-256 to raise encryption standards and fight off quantum computers.

ETHERLAND FUNCTIONAL DIAGRAM



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TARGET

Main user target

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Asset manager

management of a property portfolio

Other target





INDIRECT COMPETITION



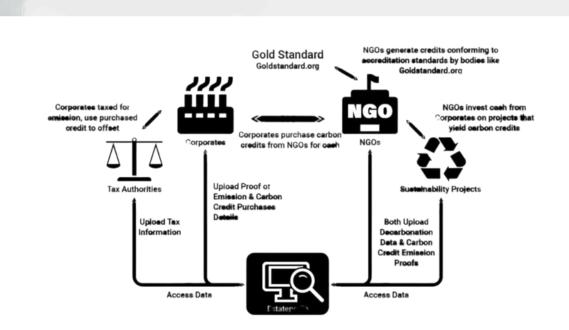




The difference between all those blockchain real estate projects is that none have reliable and decentralized means of storing or tracking the property's data; they are only playing the same game as every real estate actor, building more tech on top of an unreliable base.



CARBON CREDITS INDUSTRY A FUNCTIONAL EXAMPLE OF INDUSTRY TOKENIZATION



The Carbon Credit industry is overly complicated due to the lack of global standards on how the Credits are emitted. That is why there is such a wide range of prices; not all Carbon

Credits were emitted with the same level of certification or are coming from different fields of depollution. The process, however, is rather straightforward. Industries emitting C02 need to pay off the state for their carbon emissions. Instead, they can purchase Carbon Credits from emitters, which will end up financing the industries where these Carbon Credits are produced: green projects with net zero emissions or actively engaging in decarbonization. They are then free to use Carbon Credits how they want, like exchanging them for cash. It should attract many professionals thanks to the financing opportunity. Unfortunately, due to the wide nature of Credits, they have to make sure they generate credits fitting to serious accreditation standards, which is a tedious and costly process. That

keeps many small producers like farmers from onboarding the Carbon Credit program. However, there is a way to make the Credit industry more efficient : traceability.

Every actor of the Carbon Credit chain tokenized in our ecosystem can upload frequent feeds of data, proving how much carbon dioxide is produced, how much is converted, what Credits are emitted, who certifies them, where they are spent, etc ...

As this process can be automatized, it will incentivize new actors to take care of the Carbon Credit certification process and relieve the administrative and financial burden from the smaller producers.

Hence, we are forging partnerships with various industrials of this ecosystem to show the world an example of a wholly tracked supply chain in the Carbon Credit and Decarbonization industries. More to be announced.

ELAND, A RELIABLE UTILITY TOKEN

The Etherland ecosystem works using a utility token called ELAND. This is the token used to pay for bounties,grades subscriptions and every upcoming platform feature. It is fully decentralisezd, meaning its ownership was released, it's total supply is fixed and very low, and more than 75% of ELANDs are in circulation, guaranteeing the investors' serenity



Price :0.10 \$Market cap :3,89MSupply :39MMax supply :41M

ROAD MAP







1. Will my data be safe from any threat?

Yes, thanks to the method we have implemented that works in part with IPFS (InterPlanetary File System), all your data will be stored on a decentralized network. This method makes your data immutable in the face of any unforeseen event (natural causes, loss, server crash, etc.) and guarantees you instant access.

2. What promises does Etherland make to its users?

Etherland will not only revolutionize real estate but will also establish itself as an institution. It will be the first usertargeted institution where every landowner will control their safely stored data and keep benefiting from the latest technological improvements.

3. What is the Estatepedia and what is it for?

The Estatepedia is the public-facing part of all the data stored on Etherland's IPFS network. It is designed to be a very informative encyclopedia on every type of real estate. If you are interested in history and beautiful places, the Landmarks section acts as a real encyclopedia, providing quality descriptions, pictures, and videos. For real estate owners or professionals, other categories, such as Residential, Commercial, or Industrial, will feature Certificate NFTs and their related key information (EPCs, legal documents, business-related documents, etc.).

To sum up, the Estatepedia is a real information hub for everything occupying Earth's land.

4. How does Etherland increase the value of my property?

When your properties are listed on the Etherland Estatepedia, they benefit from increased visibility to potential future investors. Our interface is designed to attract and create a healthy environment for investors with its sheer data profusion and availability.

Additionally, since our infrastructure will make your documents available, the time allocated to their search and transmission will be significantly reduced, thus increasing the property's attractiveness by setting it apart. Lastly, we have designed high-added-value products that will attach to your real estate, such as the grading system and the extensive reviews provided by our architects and investment professionals. Not to mention the cool factor of having a tokenized property before everyone else ;)

5. Do innovations like quantum computers threaten the security of our encrypted data stored on your platform?

Etherland relies on state-of-the-art data encryption technology (AES 256) and hashing technology (SHA3-256), which will continue to evolve and strengthen encryption mediums. These cutting-edge encryption mechanisms are currently considered Quantum Resistant.

6. If the data is stored on Etherland's server, do we really own it?

We pin the data to our IPFS server infrastructure to ensure that it remains persistent across the IPFS network and the Internet. If the user wants to get hold of their data, they can run their own IPFS node by downloading IPFS Desktop and pinning their house's folder to their node. They will then have the files locally on their computer and participate in decentralizing the data and ensuring its persistence.

7. What is the ELAND (Token) used for?

The ELAND is the utility token used by the Etherland ecosystem. You will need it to perform various actions across our applications, such as paying bounties, grading subscriptions, or obtaining more details on a property. The strong point of this entirely decentralized token is that its total supply is low and fixed.

The vast majority of ELANDs are available to users, and the rest owned by the project will be kept as treasury and used to reward users in future applications; all these conditions together guarantee long-term sustainability for investors.

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