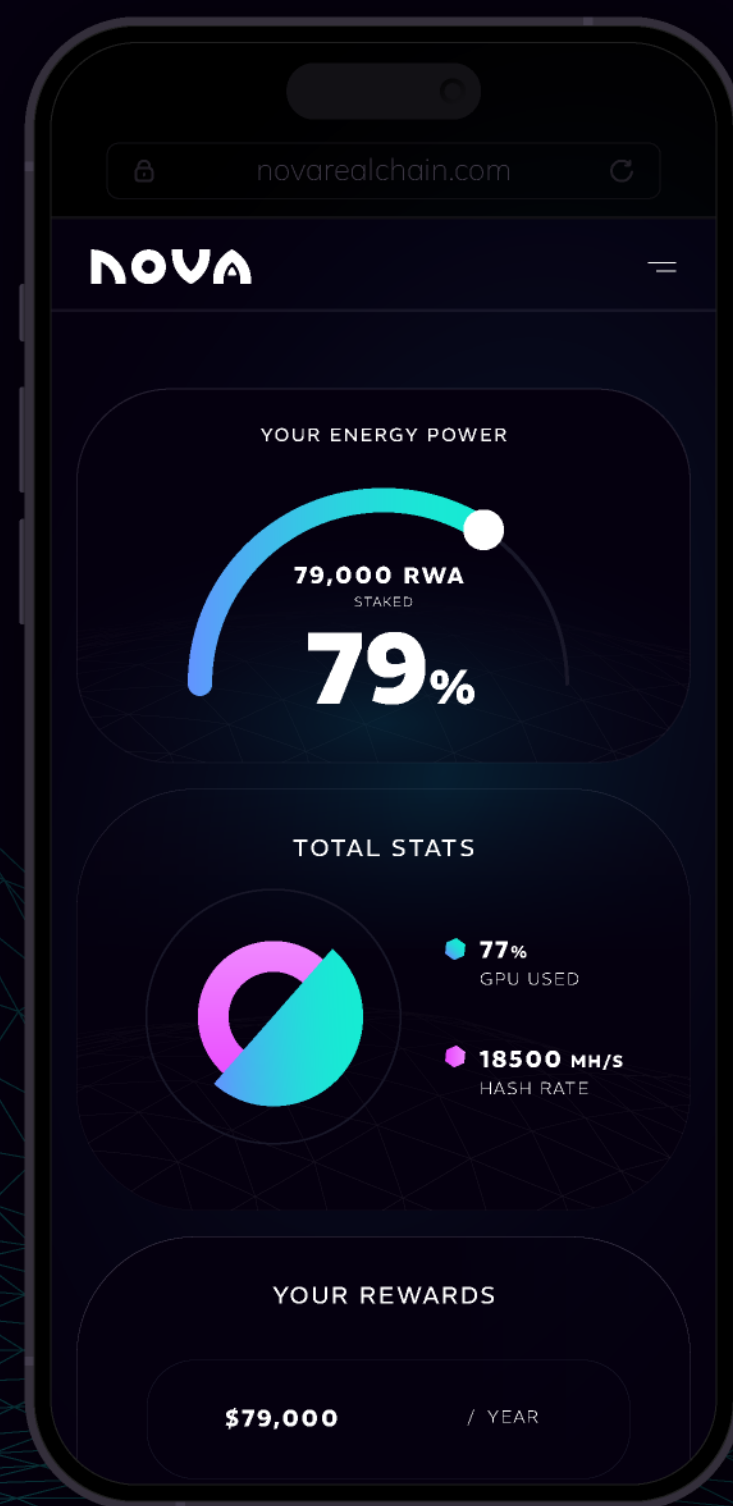# NOVA
R E A L C H A I N

RWA Layer-2 on Ethereum Boosting Hydro Energy Yields

NOVAREALCHAIN.COM

Introduction

NovaRealChain is a Layer-2 RWA built on top of Ethereum. We aim to solve the bridging process of real world assets to Blockchain assets, whether they are NFTs or tokens. The tokenization of assets is clearly the future, however, many challenges are still in the way.

Nova is co-founded by Juan de Bagration-Mukhrani and backed by the Georgian Royal House as well as a HydroPowered Mining facility in the heart of Georgia, Tbilisi.

By creating a Layer-2 on Ethereum, we are using the robust security of ETH while lowering fees. Nova's RWA Marketplace aims to connect validators, appraisers, custodians and buyers and sellers together. All data is recorded on the Blockchain which provides an extra layer of security.

Each participant is required to stake RWAfi tokens, serving as both warranty and collateral. In order to encourage token staking, we've introduced the pioneering Energy Cloud Infrastructure (ECI). Stakers have the opportunity to mine various cryptocurrencies, including Dogecoin, Clore, ETC, and others, utilizing Nova's Hydromining Infrastructure located in Georgia. Furthermore, they can leverage their unused GPU power to boost their yield even further.

The Problem

Although RWA is expected to become a multi-trillion dollar market, there are still many hurdles in the way. The main difficulty comes from the off-chain validation of the assets. Auditors and Appraisers need to be verified themselves in order to accurately determine the price of the asset. This process can be uncertain, especially when it comes to different jurisdictions and laws.

Custody of assets can also be a critical issue as it requires yet another third-party. Some RWAs are far easier to tokenize or convert into NFTs as they are immobile, like real-estate, however, others are far more complex, jewelry, expensive cards, comics, etc, they need to be stored in a specific way, taken care of, and they can easily be tampered with.
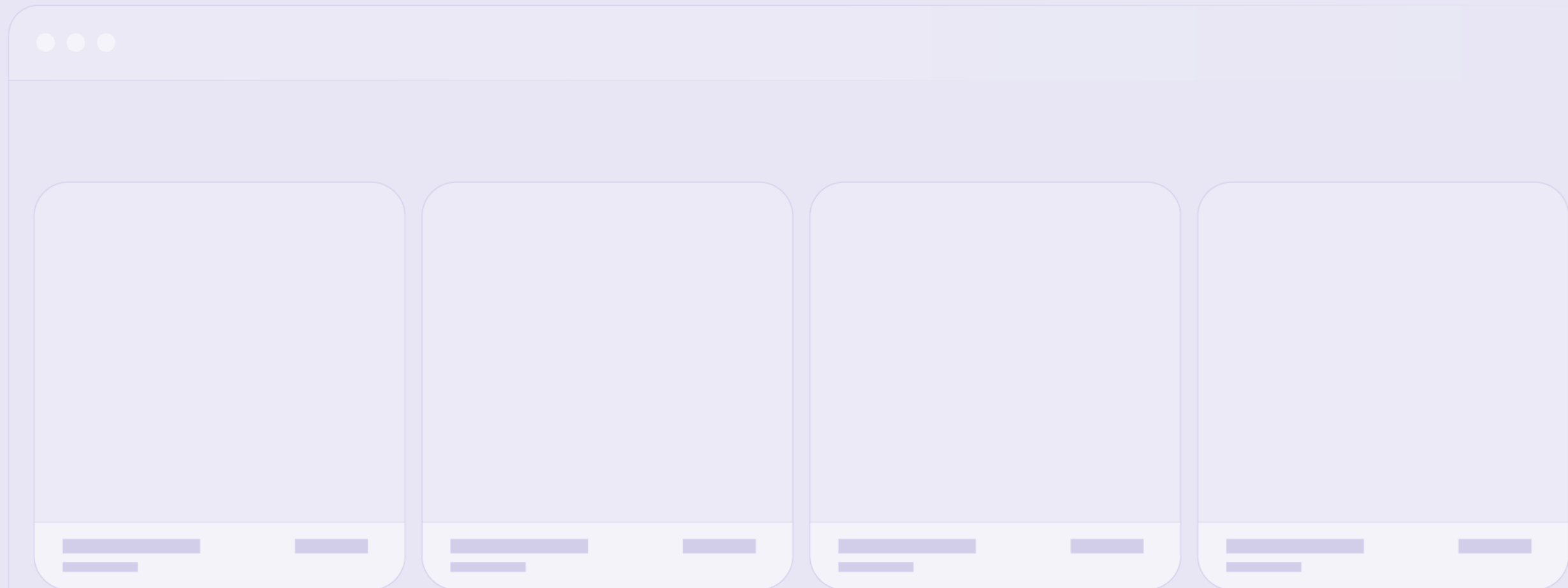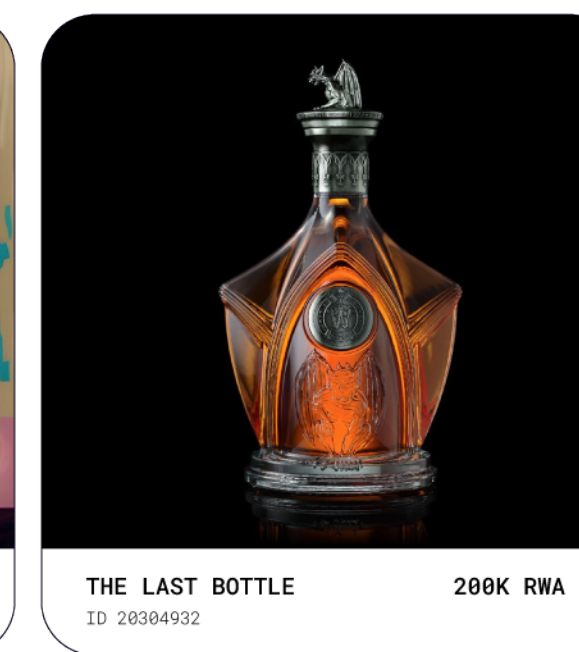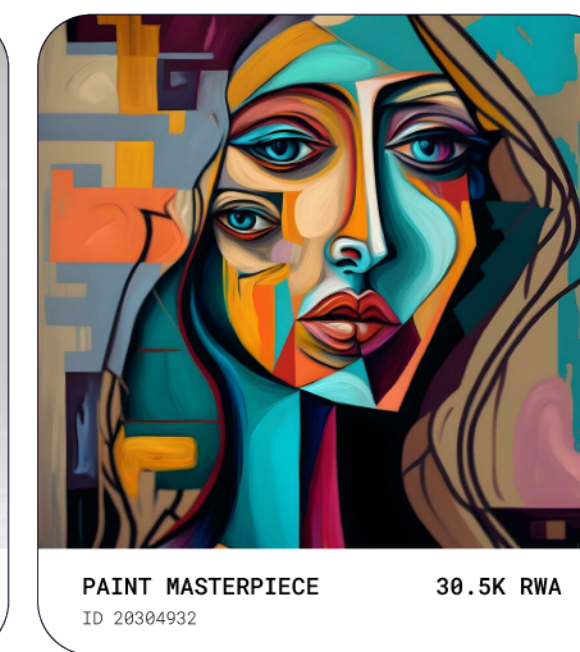
The Solution

The core idea of RWA is that an asset can be converted into an unique NFT or token/s. The asset must first be validated to confirm it's legitimate and authentic. Although there are countless validators and appraisers, it's hard to pick the right one.

In order to ensure our users are choosing the best validators, we verify and evaluate all our validators first. Additionally, each validator has to stake and lock a certain amount of RWAfi tokens. In return they receive royalties for each job completed successfully.

Randomly, assets will be re-evaluated by other Validators to ensure the quality of our validators remains high. Each validator has a hidden score that can go to 0 if the randomized tests are failed too many times.

Similarly, Custodians also need to lock a certain amount of RWAfi that serves as warranty. Additionally, they are all onboarded officially by Nova, verified and evaluated by professionals. Only licensed custodians can participate.

| ULTRA RARE CARD | 200K RWA |
| ID 20304932 | |

| PAINT MASTERPIECE | 30.5K RWA |
| ID 20304932 | |

| THE LAST BOTTLE | 200K RWA |
| ID 20304932 | |

| ROMANOWSKY DIAMOND | 100M RWA |
| ID 20304932 | |

Modular Staking

NovaRealChain introduces something called Modular Staking, which is divided into 4 different staking methods. RWA Staking has no locking mechanism, however, early unlocking will incur a 50% fee during the first 24 hours, reduced linearly to 0% over a period of 30 days.

PoS Validators: Participate in the governance and security of the NovaRealChain Layer-2 by staking your RWAfi and earning rewards.

RWA Validators: Certified Valuators and Appraisers that can authenticate and legitimize all kinds of assets. Staking an amount of RWAfi is required, but in return, Validators earn royalties from the RWA sales.

RWA Guardians: Custodians that are licensed internationally. They stake a large amount of RWAfi tokens to serve as a warranty earning weekly fees.

yPoW Staking: Stake RWAfi to earn sRWAfi points which can be redeemed for Bitcoin, USDT or used inside the marketplace. The yield comes from Nova's hydropowered mines, which can mine your favorite coins, like Dogecoin.

These are the main utilities of RWAfi, however, users can also utilize the token to pay for hosting services through our mining facility. We can have up to 50MW of total power and we use hydro energy exclusively in Georgia.
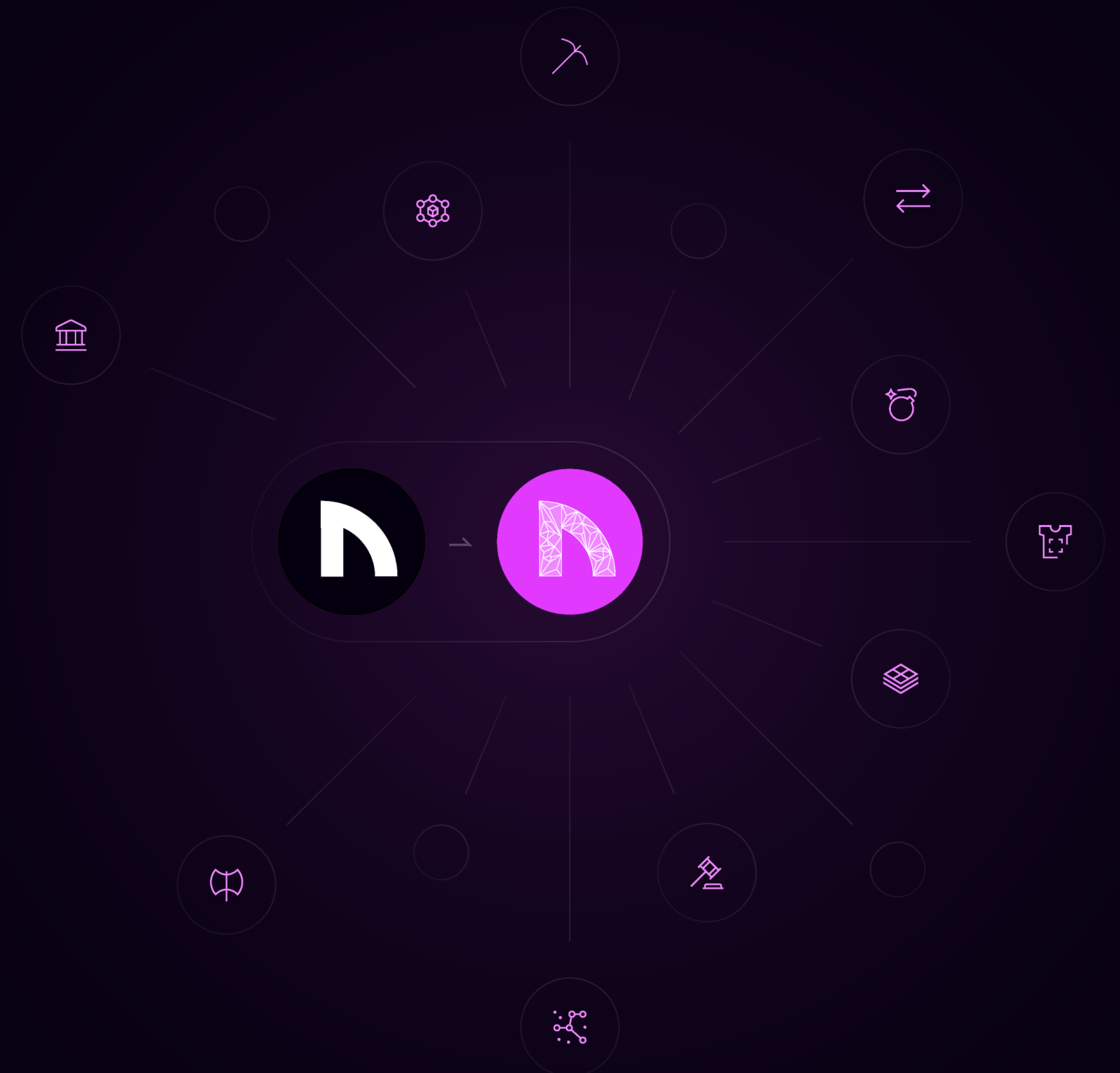
Token Utility

The main utility of $RWAfi is to pay the fees on-chain and secure the network. Users have to stake RWAFI to become validators while they earn rewards. Just like other Layer-2s, the native token is used to help maintain the reliability and decentralization of the network.

However, on NovaRealChain, RWA Validators and Guardians also help secure the off-chain network by staking RWAFI tokens. The need to stake tokens greatly improves the Network's decentralization and security.

Holders of the token may participate in the Governance of the chain by voting on potential changes within the network. Proposals can be made at any time, but they will require a certain threshold of votes to pass.

Additionally, users can pay using $RWAFI tokens for various services within NovaRealChain's platform. Utilizing tokens will have a discount to incentivize users to spend RWAFI.

Nova Resource Sharing (NRS)

Unused GPU power can be harvested and put to work in a simple and fast way to maximize potential profits. Check your power usage and earnings in real time through Nova's dashboard. Users can provide their extra GPU energy to Nova, which will be used to mine different cryptocurrencies and even help secure the network further.

Moreover, GPU sharing offers numerous benefits beyond cryptocurrency mining. In fields such as AI and machine learning, where vast amounts of data need to be processed and analyzed, access to GPU resources is essential for accelerating model training and improving algorithm performance.

YOUR ENERGY POWER

79,000 RWA
STAKED

79%

TOTAL STATS

77% GPU USED

18500 MH/S HASH RATE

YOUR REWARDS

$79,000   / YEAR

~ 400% APY

Rewards in
4 Active Assets

STATS   Last 30 Days

YIELD POW

Bitcoin   Ethereum