

**PROJECTS THAT MOVE
THE WORLD FORWARD**

Algorand™
FOUNDATION

**“THE IDEA THAT BLOCKCHAIN PROGRESS
NECESSARILY COMES AT A COST FOR
THE ENVIRONMENT IS JUST THE DYSTOPIA
OF THE UNINFORMED.”**

Silvio Micali, Founder of Algorand

With networks at the core of human progress, working together is a recognizable part of our remarkable evolution. Blockchain technology is the digital iteration of human networks, with multiple connections working to build a powerful, transparent ledger that we can all trust.

Thanks to this technology, our global community is able to unite in deeper and more complex ways than ever before. From helping millions get online and providing accessible property investments to constructing digital donation infrastructure and preserving cultural heritage, these are stories of how blockchain technology is solving real world problems on a global scale.

AGROTOKEN QUANTUM TEMPLE

LIL DURK X NXTG3NZ WORLD CHESS

WAYRU CLIMATETRADE

LOFTY FLEXID PLANETWATCH

TRAM ST. VINCENT DE PAUL AND PARIBU

FROM ALGORAND WITH LOVE X EXA MARKET

GRAIN-BACKING DIGITAL ASSETS

AGROTOKEN

Poverty is a regular threat to the business and livelihood of many farmers with small agricultural holdings. Over 600 million farmers worldwide face the same challenge of accessing the capital they need to grow and expand.

Agrotoken, an innovative idea born in Argentina, is seeking to support the lives of smallholding farmers by giving them the power to utilize the most valuable assets they have – their commodities – in order to save, invest, and purchase. In an instant, farmers are set free from the confines of the nearest village or town and gain access to a world of goods, services, and savings. The idea was so well received that, since launching its tokenization platform, Agrotoken scaled with extraordinary speed from 1,000 tons of soy recorded on blockchain to 250,000 in just a few months, and it now operates in both Argentina and Brazil.





QUANTUM TEMPLE

Cultural heritage is at risk of extinction in many developing countries due to tourism, forced migration, conflict, and inequitable wealth distribution. With a lack of skills and financial incentives, young generations are torn away from cultural practices and traditions that have existed for generations to fight against these adversities and support their families in the best ways they can.

PRESERVING CULTURAL UNESCO SITES

Quantum Temple is immortalizing global cultural heritage on the blockchain and creating new regenerative economic channels for ancestral communities to invest in the protection of their culture and be included in a global economy that provides opportunities to generate wealth.



LIL DURK X NXTG3NZ

MERGING THE DIGITAL AND PHYSICAL WORLDS WITH 'PHYGITALS'

Web3 opens up vast new opportunities for artists and musicians. It provides access to new income streams and helps creators connect with their fans more meaningfully. NFTs lend themselves to multiple value-driven use cases, including digital and physical wearables, music content, concert tickets, and more, with the utility in each case bringing the artist and their fans closer together.

A stellar example is rapper Lil Durk, who launched '7220 NXTG3NZ', a physical sneaker with a digital counterpart. NFTs are a way to inject lifestyle and culture into Web3, onboard new users, and support creators along the way.



"I WANT TO TURN ALL HATE INTO LOVE."



EVOLVING CHESS THROUGH THE BLOCKCHAIN

WORLD CHESS

Digital games outrank in-person matches 100,000 to 1. In all its brilliance, digital chess faces the problem of recording rankings and games across the internet.

Computer scientists and cryptographers, being natural chess fans, have found the answer in blockchain technology. "Whenever you need transparency and data security, the first idea nowadays is blockchain. And Algorand offers a very, very comprehensive solution - fast, cheap and easy to build things upon," World Chess chief operating officer, Matvey Shekhovtsov, told Wired. World Chess uses Algorand's transparent and secure ledger to give players a trusted place to access official rankings, titles, and records, and encourages other chess engines to do the same.



WAYRU

Roughly 244 million people across Latin America (32 percent of the population) live without access to the internet.

Wayru is founded by entrepreneurs who believe that access to the internet is a human right. To achieve this, Wayru is deploying a series of antennas with a fiber backbone to spread the internet across regions. It uses a decentralized, community-based approach to tokenize thousands of these hotspots across Latin America. This enables anyone to support the network by investing in internet infrastructure to earn rewards and help their neighbors get online.

**BRINGING ALL OF LATIN
AMERICA ONLINE**





CLIMATETRADE

Carbon impact and sustainability are hot topics across the blockchain industry with the energy-reliant proof-of-work mechanism fueling the narrative that crypto can't be climate-friendly. However, with the right tools and technology in place, blockchains can be energy and resource-efficient.

BLOCKCHAIN CAN BE CARBON-NEGATIVE

ClimateTrade, a climate solutions company that utilizes blockchain technology to facilitate large-scale decarbonization efforts through constant innovation, is a frontrunner in the development of carbon-negative blockchain use. Its Green Treasury calculates the carbon impact of protocols across the Algorand ecosystem – including the blockchain itself, NFT marketplaces, payment solutions, and everything in between – then provides immediate alternatives to offset it by supporting sustainable projects worldwide. ClimateTrade supports Algorand's efforts to be carbon-negative and provides hundreds of organizations with a means to build environmentally-positive blockchain solutions.

LOFTY

DEMOCRATIZING ACCESS TO THE PROPERTY MARKET

Too many people remain locked out of the property market due to high initial down payments or insufficient levels of income.

Lofty is lowering the barrier of entry to property investment by making it possible for anyone, anywhere to invest in real estate. Through the blockchain-based Lofty marketplace, a girl in India can now buy fractional property in the US for as little as \$50 with a few clicks. And investors can start receiving rental payments from the day the tenant moves in. Thanks to Algorand's near non-existent transaction fees and Lofty's option to liquidate investments at any moment, we are increasing access and reducing risk in the property market.





FLEXID

BANKING THE UNBANKED OF HUMAN HISTORY

According to TechCrunch and the World Bank, more than 60% of adults in Sub-Saharan Africa are unbanked. These people are locked out of financial services because they don't hold formal identification documents. This is mostly because they are too expensive.

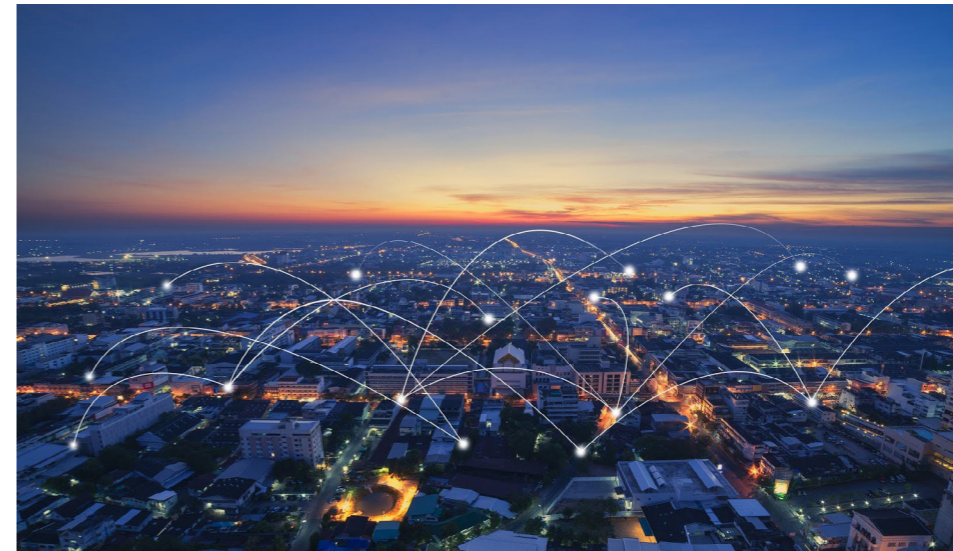
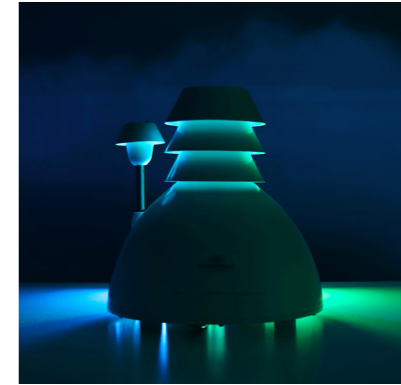
FlexID is a decentralized identity network that issues and stores self-sovereign verifiable credentials on the Algorand blockchain. This technology aims to give individuals access to a broader and faster range of financial, agricultural, insurance, and healthcare services. With the potential to improve the lives of over a billion people, this technology is a game-changer, unlocking the level of societal inclusion many of us are assigned by default.

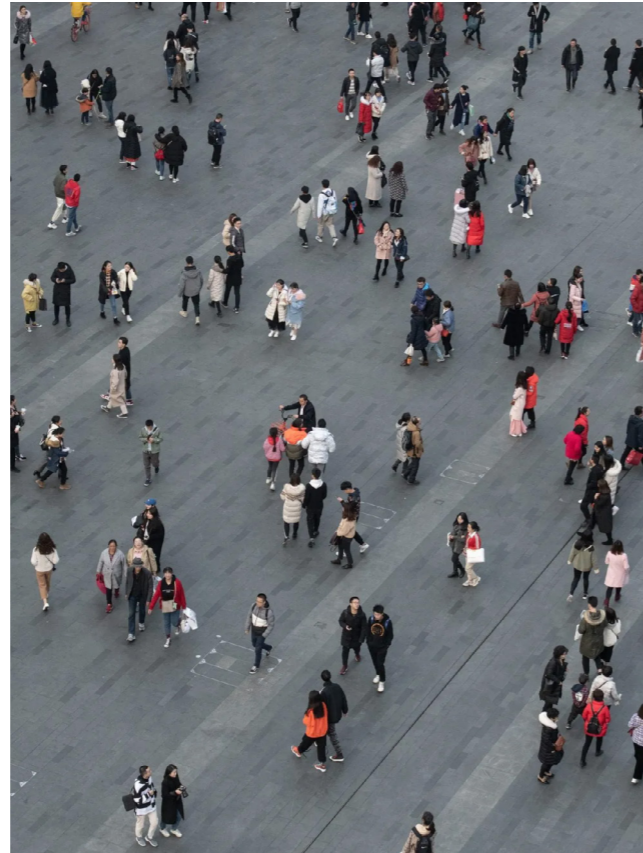
PLANETWATCH

Poor air quality hurts our people and our planet. When it comes to the environment, awareness isn't enough. People need incentives to act.

PlanetWatch is putting air quality monitoring into the hands of global citizens and rewarding individuals with tokens for tracking pollution levels in their areas. This data, which is recorded on the Algorand blockchain, sets off a string of positive events. Locally, it helps neighborhoods pinpoint pollution hotspots and identify ways to reduce emissions. Miami tapped PlanetWatch and Algorand IOT network for air quality monitoring. Nationally, it provides policymakers with the information they need to make better-informed decisions about air quality. On a global scale, increased knowledge leads to the improved health of our planet and its inhabitants.

**GIVING EVERYONE A ROLE
IN OUR PLANET'S FUTURE**





TRAM

INCENTIVIZING SUSTAINABLE TRIPS ACROSS EUROPE

Everyone's carbon footprint makes an impact. As individuals, if we stepped more lightly, we could reduce environmental harm.

TRAM, a distributed carbon marketplace built on Algorand, is rewarding users for making meaningful behavioral changes – such as walking more, driving an electric car, and choosing the train over the plane. “The application of sensor fusion to trip data enables TRAM to accurately calculate carbon emissions from every trip using global standards,” said the company. Using this information, TRAM awards users with digital tokens for taking sustainable trips; these tokens can be traded for goods, services, crypto or fiat currency. Taking action to reduce carbon emissions when going from A to B brings value to the individual and makes an invaluable impact on the health of our planet.

ST. VINCENT DE PAUL AND PARIBU

INSTANTANEOUS DELIVERY FOR DISASTER RELIEF



When disaster hits, assistance is needed immediately. Yet too often it can be months before aid arrives. Inefficiencies in the aid delivery model and bureaucratic stop-gaps are largely to blame. Instantaneous digital donations are the solution.

The Disaster Services Corporation of SVDP is bringing the speed and efficiency of Algorand to disaster zones in the US with a wallet that can track volunteer hours and instantly deliver survivors vouchers for food and other types of relief. When Turkey's earthquake hit, the Algorand Foundation partnered with Paribu, a well-known exchange in Turkey that was leading donation efforts with crypto assets. The donations gathered via Paribu were sent to Needs Map, a social cooperative that determines needs in a disaster area and ensures aid is delivered to the right place. Donations made will help to provide immediate relief in the form of food, shelter, water, and medicine to areas that were hit by that massive earthquake.





ART & TREASURE FOR ROALD DAHL CHILDREN'S CHARITY



FROM ALGORAND WITH LOVE X EXA MARKET

Donating to charity isn't something that everyone can afford. NFTs provide an incentive for people to support in whatever way they can, while also giving them an art piece to treasure.

Comprising 25 emblematic NFT projects, "Algorand With Love" from EXA Market unites creators from across the Algorand ecosystem on a project to raise funds for Roald Dahl's Marvellous Children's Charity. This important charity provides specialist help for seriously ill children. We witnessed swift community support for this project, which fully sold out in days. Projects like this help spread awareness of charities supporting those most in need, while demonstrating solidarity and goodwill in Web3 communities.

It is clear that blockchain technology has a pivotal role to play to ensure a better future for us all. These projects prove how this technology can be used as a global force for good. Web3 builders, including ourselves at Algorand, are committed to the ethos of connection and collaboration. This is how we will lift the quality of life for people around the world, paving the way for a more equitable, sustainable planet. This is the Algorand way.

Let's keep working together to solve real world problems at scale!

**“THE PLANET DOES NOT NEED
MORE SUCCESSFUL PEOPLE.**

**THE PLANET DESPERATELY NEEDS
MORE PEACEMAKERS, HEALERS,
RESTORERS, STORYTELLERS,
AND LOVERS OF ALL KINDS.”**

Dalai Lama

Algorand™
FOUNDATION