Carbotanix

NATURE BASED CARBON OFFSETS

Powered by AI and ML | Digitally Ledgered | Tokenized

Our mission

Improve and enhance the environment and livelihoods of communities through ethical, sustainable nature-based carbon sequestration solutions.

Forests around the world need to be nurtured to sequester carbon more efficiently. Decades of misuse and lack of funding towards active management operations have led to a dangerous scenario. Many of worlds forests are emitting more CO2 than they capture, including ours here in Canada. Management operations are crucial in the equation to assure not only protection but also improvement for the benefit of all of us.

Population expansion and industrialization has reduced forests worldwide from 6 Billion hectares to 3 Billion hectares. Half of the historical forests are gone. The remaining half is under imminent threat.

Trusted by nature

Carbotanix (CTX) is a pure play carbon offset token; it is one metric tonne of CO2 offset, built from the ground up, through blockchain technology, remote sensing and continuous monitoring of our forests. **We provide the most data driven carbon offsets on the market.**

You can trust that our offsets are not greenwashing because the data driving the offset is attached to the token. **Restoring trust to the offset process is key to helping to clean air and support the lungs of the planet,** as well as providing a social benefit to our beneficiary forest partners.

Market conditions

Carbon offsets are high in demand as the world works to transition to a low carbon economy.
The demand has never been stronger.

Carbon market outlook: Surging & Poised for Explosive Growth

Driving Factors:

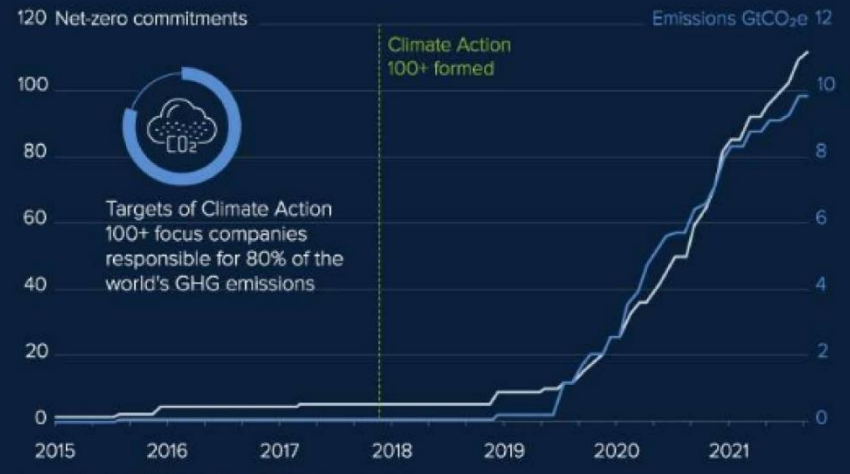
- **Net Zero Goals:** Investors and emitters are flooding into the carbon market as governments and investors are mandating corporations to disclose GHG emissions. For example:
  - **Net Zero by 2030:** Apple, Burger King, Facebook, Ikea, KPMG, Microsoft, PwC
  - **Net Zero by 2040:** Pepsi, Unilever, Vodaphone, Visa
  - **Net Zero by 2050:** Nestle, Barclays, BP, Quantas, Shell
- Governments mandating GHG reduction targets and emissions disclosures, forcing companies to offset emissions they can not eliminate.
- Companies need offsets to demonstrate ESG commitment and lower potential tax implications of failing to meet climate goals.
- Global supply of carbon offsets is entirely insufficient to meet the surging demand, and the deluge of demand that is soon to come.

Not a Matter of If, But When

What are the primary catalysts propelling buyers to purchase carbon offsets?

Net-Zero Targets

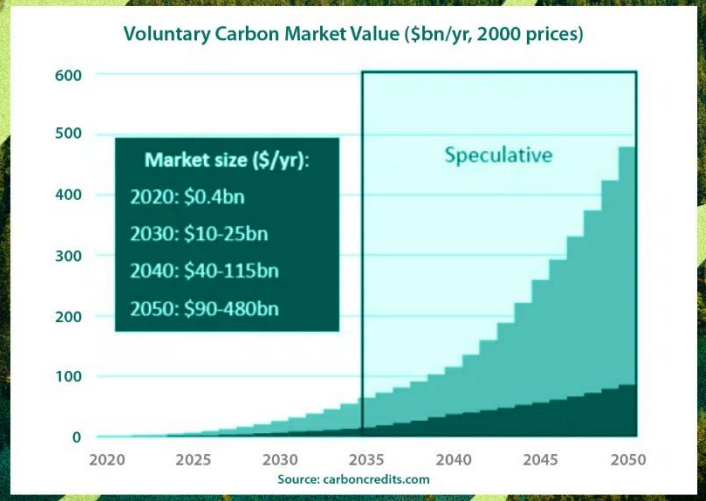
In just two years, net-zero targets of the world´s heaviest emitters have jumped **five-fold**



Source: BloombergNEF, Climate Action 100+, Bloomberg Terminal.
Note: Emissions are based on the portion of a company's carbon footprint that is included in the net-zero target (Sep 2021)

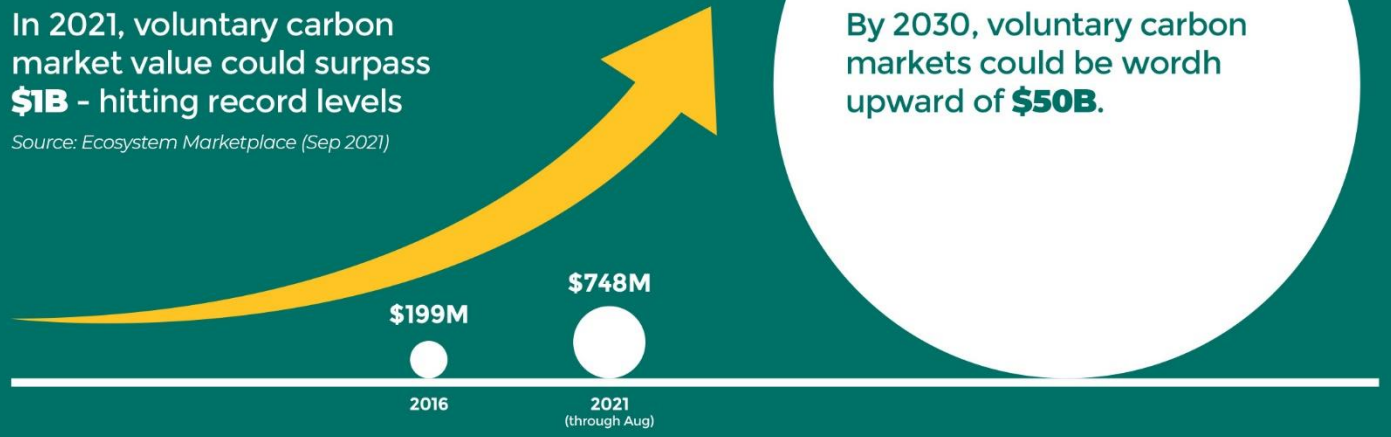
Market growth

- Global Carbon Market **grew 20% in 2020** to $272 billion and has **grown 500%** since 2017.
- The carbon offset market must grow by up to 50 times for companies to meet 2050 net-zero GHG goals (BOA Global Research)



In 2021, voluntary carbon market value could surpass **$1B** - hitting record levels

Source: Ecosystem Marketplace (Sep 2021)



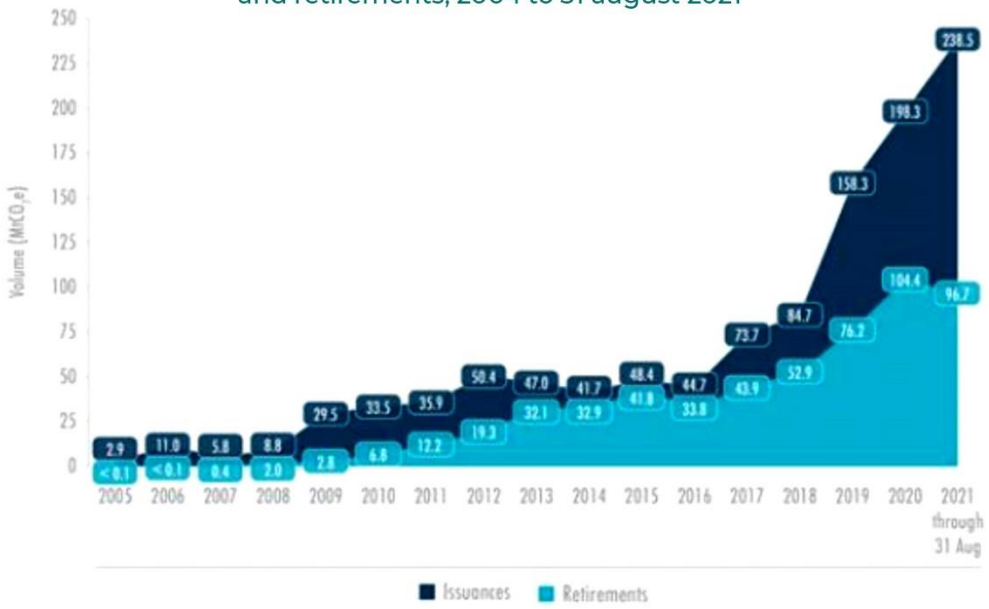
$58B

Strong Demand

By 2030, voluntary carbon markets could be wordh upward of **$50B**.

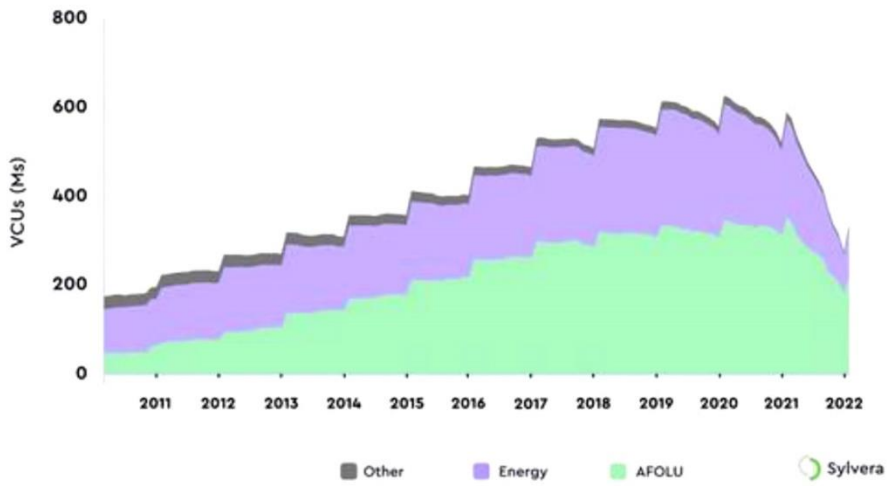
Demand for nature-based carbon offsets is booming, and **way more supply is needed**

Market size by voluntary carbon offset issuances and retirements, 2004 to 31 august 2021



Source: Forest Trends, Ecosystem Marketplace 2021

Nature-based offsets will soon be the only **game in town**



Emission reduction and avoidance can only help so much; nature based offsets equal positive sequestration, **an important component in the transition to a clean environment**

Two types of markets

Two types of carbon market exist, the regulatory/compliance and voluntary markets

1. **The compliance market** is used by companies and governments that by law have to account their GHG emissions. It is regulated by mandatory national, regional, or international carbon reduction regimes. The offset is an alternative to taxation.

2. **On the voluntary market,** the trade of carbon offsets is on a voluntary basis. Corporations "voluntarily" purchase offsets to demonstrate their ESG commitments to stakeholders.

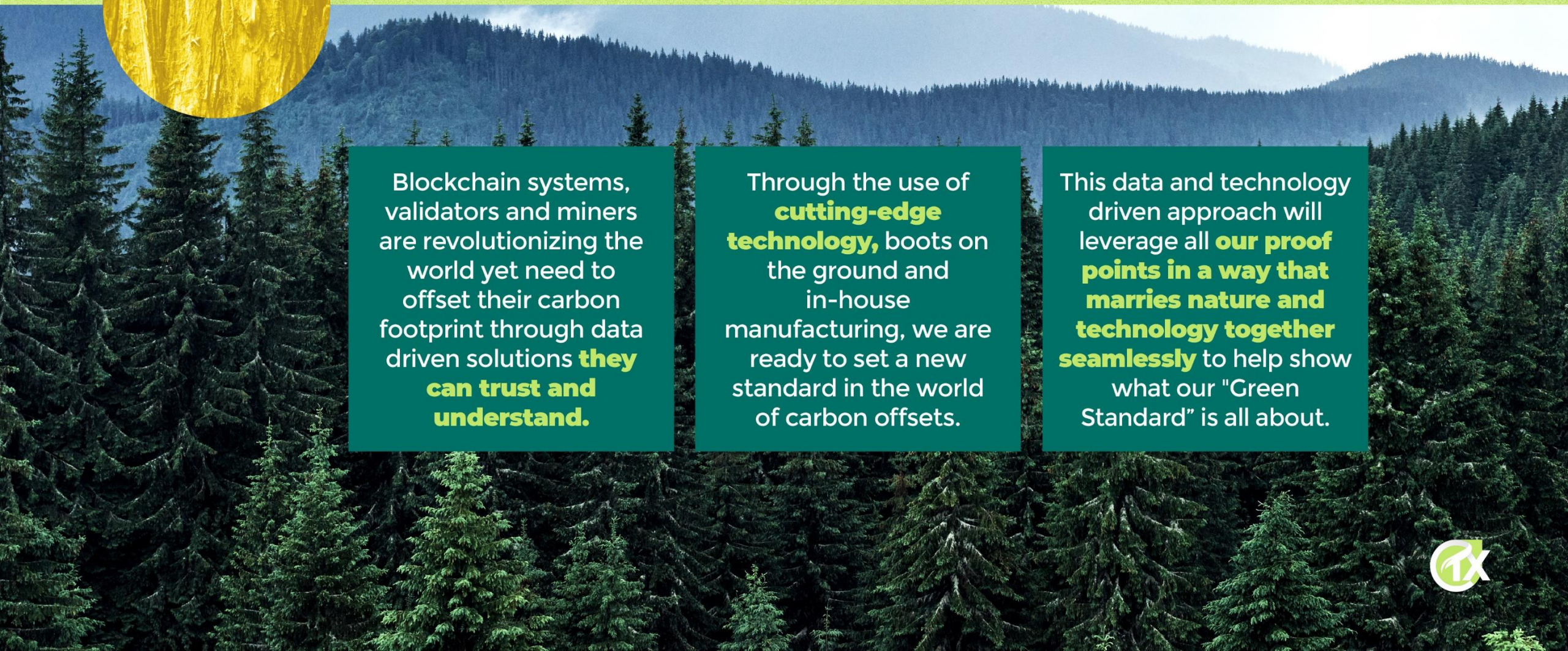
Market Challenges

Historically, carbon offset manufacturers haven't set very high standards when it come to managing and protecting their green assets. They tend to manipulate, misrepresent, and do things in a way to give the appearance and accounting of creating change, when, in reality, they aren't doing much at all.

Conventional carbon offsets lack transparency, have many points of failure and regulations are not yet well defined worldwide (forest can burn and credits are still valid).

- Conventional carbon offsets are hard to purchase, often inaccurate and are difficult to track.
- World Forests lack granular data analysis and protection.
- Few carbon offsets projects show real social, economical and environmental benefits.

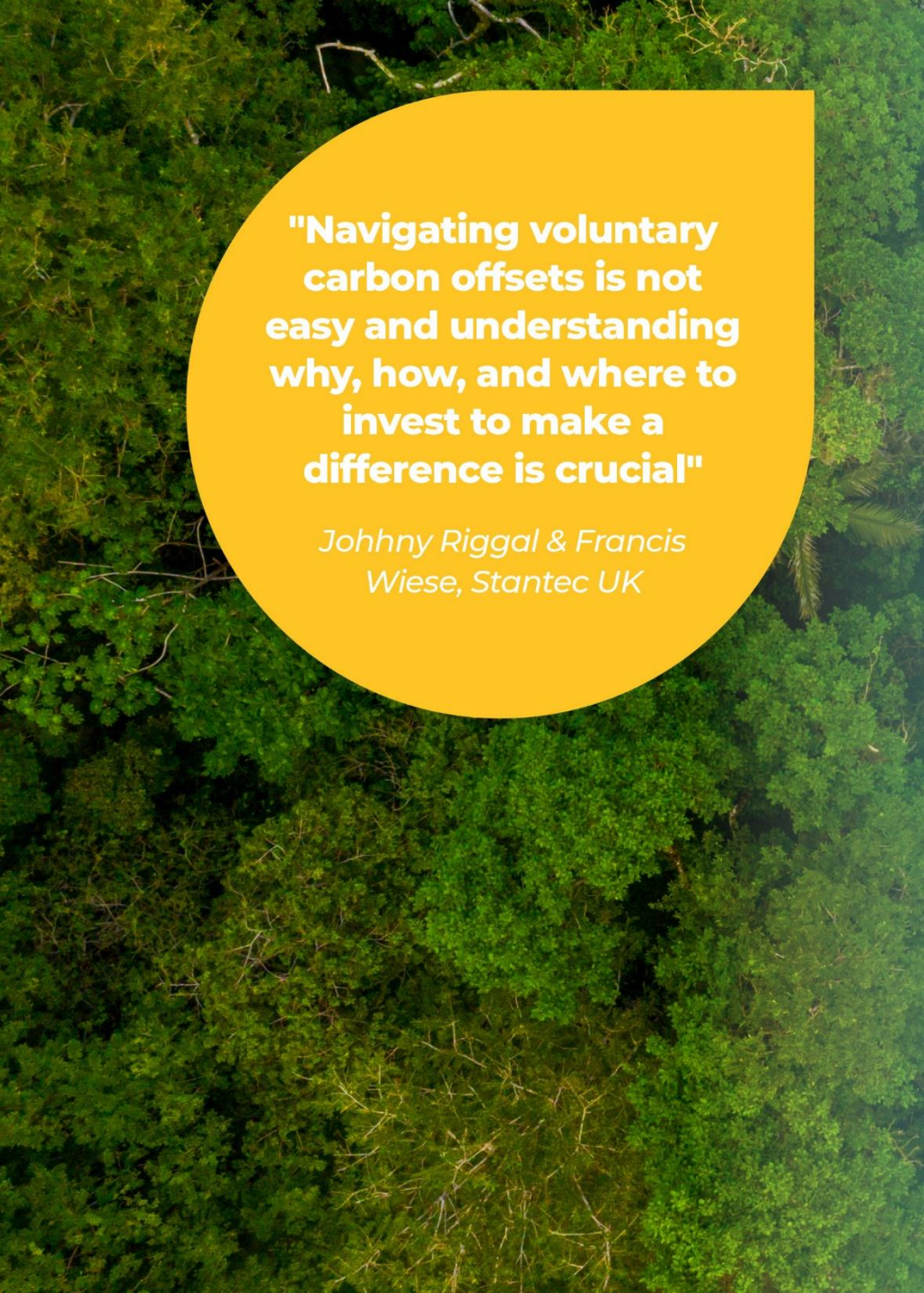
The green standard



Blockchain systems, validators and miners are revolutionizing the world yet need to offset their carbon footprint through data driven solutions **they can trust and understand.**

Through the use of **cutting-edge technology,** boots on the ground and in-house manufacturing, we are ready to set a new standard in the world of carbon offsets.

This data and technology driven approach will leverage all **our proof points in a way that marries nature and technology together seamlessly** to help show what our "Green Standard" is all about.



"Navigating voluntary carbon offsets is not easy and understanding why, how, and where to invest to make a difference is crucial"

Johhny Riggal & Francis Wiese, Stantec UK

Why choose us?

- Our sister company, Carbonethic, directly manufactures our offsets. It provides strategic project access to Carbotanix, thereby eliminating credit supply chain issues. We're partnered with the manufacturer, unlike competitors who compete in the market for the scant projects available.
- 51% of profits remain with our beneficial landowner partners.
- 20% of profits are re-invested back into the forest for improvement, restoration, and expansion.
- Our approach toward transparency removes conventional third party points of failure.
- CTX purchasers are given tools to communicate their commitment to their stakeholders

Data proven forest protection and improvement.

carbon ethic

www.carbonethic.io

Our sister company data driven processes:

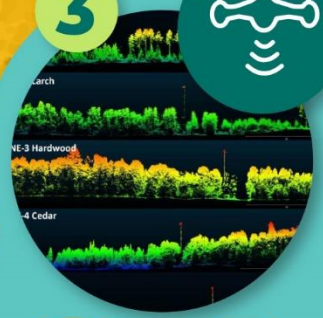
1

Acquiring forest lands requiring **protection and improvement,** in partnership with the beneficial land owners

2

Mission planning for data acquisition: expert mapping analysis with Geographic Information System and VRI data to plan for in person data collection and remote sensing

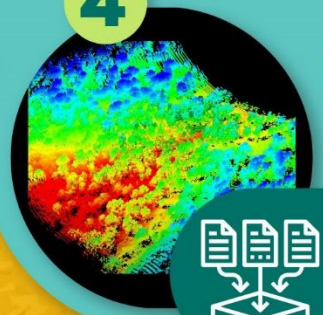
3



We originate digital data assets with our **state of the art** drones equiped with the **most advanced LiDAR,** spectral imaging, and general photogrammetry technologies

4

This information becomes the basis of our **forest digital twin.**



5

We complete quality analysis and checks to endure our digital twin matches the hand sample data sets. **Our sampling frequency and targeted approach is exponentially superior to the competition**

6

Validated granular data is integrated into our machine learning and AI tools for ongoing tracking. Our users are provided with **dynamic "real time" analytics** through our proprietary dashboard.

7

Data ready to be tokenized by **Carbotanix**

Carbotanix

Our blockchain unique solution:

1

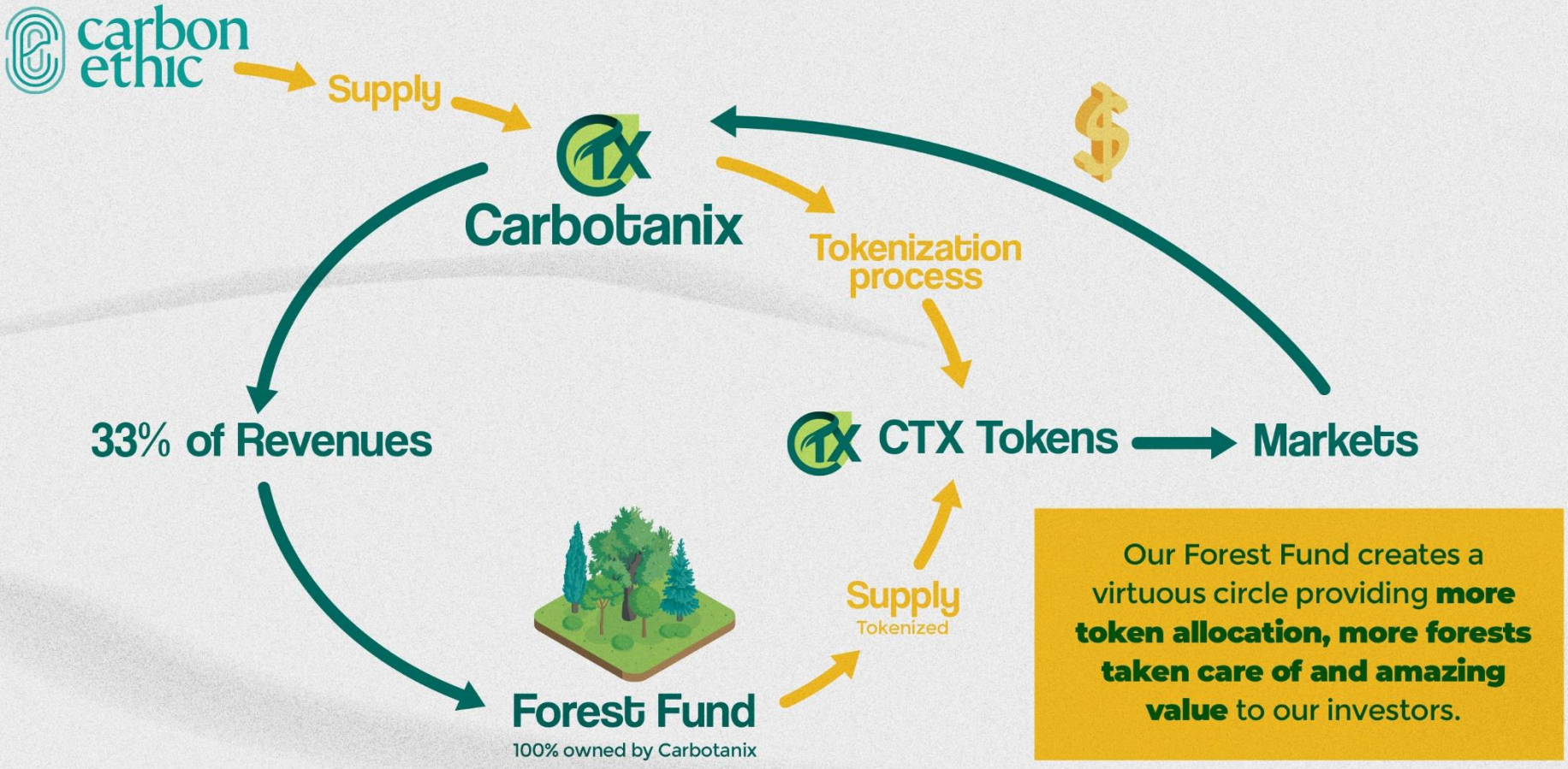
Granular data integration into blockchain smart contracts, including:

- Location
- Species %/hectare
- Age class
- Canopy height
- And more!

2

Delivery to institutional grade blockchain exchanges for emmiters and speculators benefits

2 asset classes, 2 asset sources, stacking capacity, **no equal**

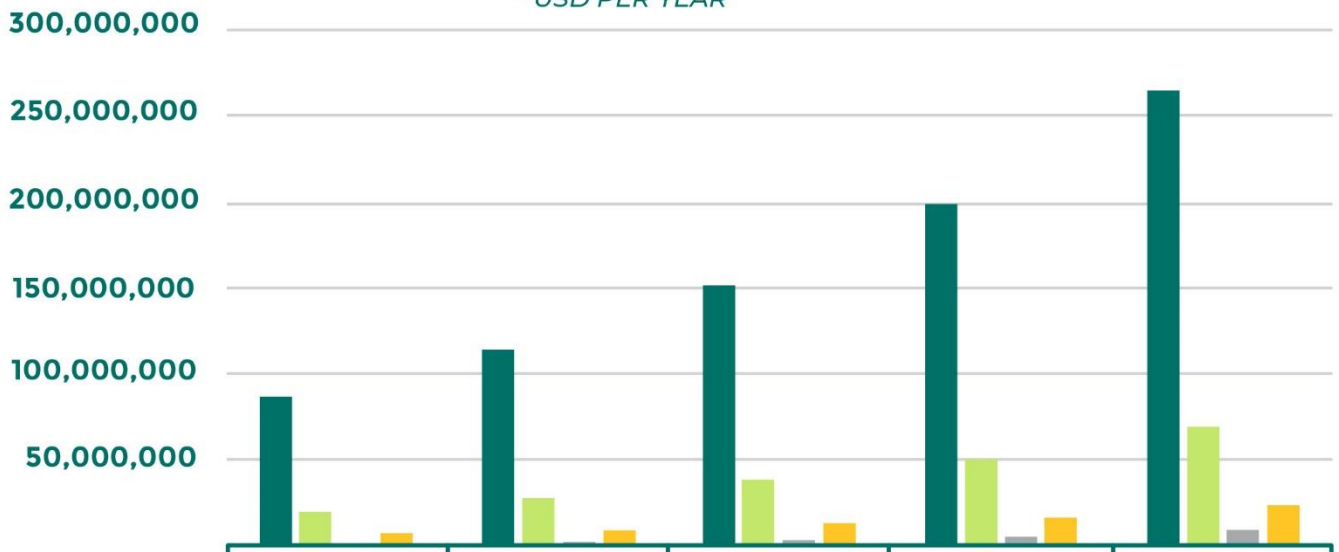


Our Forest Fund creates a virtuous circle providing **more token allocation, more forests taken care of and amazing value** to our investors.

When digital and physical create value

5 Year Financial Projections

**USD PER YEAR*



	Year 1	Year 2	Year 3	Year 4	Year 5
Gross Sales	86,000,000	113,520,000	152,064,000	197,683,200	264,591,360
Net Income	20,585,709	28,057,009	38,714,810	50,631,248	69,085,939
Return From Forest Fund	559,358	1,788,913	3,046,834	5,283,532	8,958,129
Forest Purchased Annually	6,793,284	9,258,813	12,775,887	16,708,312	22,798,360

Staking capacity 2024

Team

Andre Raffnsson

Chief Executive Officer

Andre Rafnsson has over 25 years management and business development experience in the international pharmaceutical, medical device, specialty chemicals and the biotech sector. Andre has since 2011 thrived as an Angel Investor in early stage companies where his equity participation was combined with an active role in the management, business development and advisory board positions.

Andre Rafnsson entered the crypto / blockchain space in 2016 by investing private funds in Bitcoin and Etherium - and has since been involved in various blockchain early stage companies, consulting in business development, management and fund raising.

Team

Michael Brent Tolmie

Chairman of the Board

Michael 'Brent' Tolmie is a founder and CEO of the Carbonethic Group, the largest supplier of data driven nature-based offsets on the planet. A proven leader, Brent has 25+ years of experience working in construction, forestry and energy, working on resource and construction projects across Western Canada. Prior to starting his own companies, he worked in full cycle forest management, including planning, layout, road development, full phase harvesting, sorting, brokerage, and silvaculture.

His teams performed $100M+ of contracts on many billion dollar projects, also maintaining a log sorting operation from 2004 - 2017, sorting millions of cubic metres of logs and selling to international and domestic customers across the world. A renewable energy advocate, Brent's companies worked on more than a dozen run of the river projects for independent power producers, most of which were acquired by Innergex (INE:TSE)

Brent is also a blockchain enthusiast, having mined and traded Ethereum, Bitcoin, Litecoin and others believing in the decentralization of information as a solution to many of the world's transparency issues. Brent has advised on corporate finance transactions, company and shareholder succession, and transition issues for enterprise clients up to 10 figures. He is currently developing a sustainable residential recreational community and working on scalable solutions to establishing new forests with indigenous partners.

Team

Martin Prescott

Vice-Chairman of the Board

Martin focuses on driving sales growth across North America and Europe. He has over 25 years market trading, blockchain and investment experience. He is a serial entrepreneur and public speaker, educating business leaders and investors about capital markets and blockchain technology.

He previously built two education - focused companies including a French - speaking market trading school and a blockchain technology consulting firm. He has specialised in blockchain since 2016.

Joshua Soloway

Special Advisor

Joshua Soloway is Chief Legal Officer, Head of Capital Markets, and Board Member at Carbon Ethic Group, a group of companies committed to addressing issues of transparency, accountability, and quality in the carbon markets by leveraging its proprietary technology stack and expert team to manufacture the highest quality credits in the market utilizing natural climate solutions at scale. As an attorney, investment banker, and entrepreneur, Mr. Soloway's brings decades of experience in capital markets, energy, and technology to support CarbonEthic's mission and values.

Prior to joining CarbonEthic, Joshua was a partner at various law firms in New York City, where he advised clients on a range of corporate, commercial, and transactional matters affecting middle market companies, emerging growth companies, and asset managers with a focus on technology, energy, ESG, venture capital, and securities matters.

Team

Kian Davoudi Rad

Chief Technology Officer

Although originally from Greece, Kian finds himself home in Canada. He completed his Bachelor of Software Engineering from University of Peloponnese in Greece and then went on to complete a master's degree in biomedical engineering from Simon Fraser University, Canada. Kian is a licensed engineer with the Association of Professional Engineers and Geoscientists of British Columbia.

Kian has published multiple papers on design and development of biomedical devices and machine learning algorithms. He has over a decade of experience as a software engineer developing and managing SaaS products for the healthcare, financial and transportation industries.

Kian's focus is developing sustainable technology for improving the wellbeing of local communities through ethically built and operated software.

Geoff Fawkes

VP of Engineering

Geoff Fawkes is a technology executive with a background in software development and business operational management spanning the past 20+ years.

He was most recently VP of Technology at BuildDirect, the first eCommerce technology for the home improvement industry, and served on the executive team to lead a successful 2021 go-public exit on the TSX-V (BILD). Previously he was VP Software Development at DDS Wireless, a global provider of mobile solutions for a variety of fleet management applications.

He has 15+ years expertise in offshore software development in India, China and Brazil, having structured and mentored teams to grow their expertise globally. His experience spans industries and technologies including eCommerce, Demand Chain Management (DCM), security and online banking, Customer Relationship Management (CRM), and telecommunications. He holds an MBA degree from Simon Fraser University (Vancouver) and a B.Sc. degree in Computer Science from the University of British Columbia.

Our advisors

Christian Zencker

Christian is a finance professional and investor. After a career at UBS Wealth Management he left the corporate world to build and contribute to independent wealth management setups at the Bellevue Group and Corecam Family Office. His focus has been on clients' needs in both liquid and private markets, not the least impact investing. His operating experience has for many years been complemented with strategic and sparring responsibilities at board level. Christian is married, has 2 kids and lives close to Zurich, Switzerland.

Alexander Eriksson

Alexander is the founder and CEO of R&N Partners SA a family office based in Geneva, and founder of Ness Capital, a private investment company with participations in various European and American companies with a focus early-stage tech companies (fintech, cleantech and digital asset
startups) as well as on established mid-size companies with external growth potential.

Alexander is also a blockchain enthusiast et investor in Bitcoin since early 2016 believing in the decentralization as a solution to many of the world's transparency issues. Alexander has advised multiple blockchain companies around the world on the financial and legal aspects.

Our advisors

Andra Nicolau

A crypto veteran with over 5 years of experience in the space, Andra has worked across a variety of projects and protocols. Most recently, she was the Head of Growth at 1inch where she raised almost $300M and turned the project into one of the fastest growing DeFi ecosystems.

Prior to crypto, Andra worked with Silicon Valley startups for 7 years. Andra studied Economics at Berkeley and is now the Head of Business Development at Origin Protocol.

Patrick Chalier

For more than 25 years, Patrick has been popularizing emerging technologies, from the Internet to Bitcoin, in order to accelerate their adoption by all.

Thanks to his specialized technical background, he uses this horizontal vision in his daily work as a blockchain technology consultant and public speaker.

Patrick identifies and analyzes emerging trends from a technology perspective and does technical analysis of various financial markets since 2015. For several years, he has been investing in projects with a strong impact on our society and our daily lives.

Our advisors

Paul Lavoie

Paul is an experienced and passionate cryptocurrency investor. With his channel Paul Cryptoformation, he creates content related to cryptocurrency for his community of more than 75,000 members. He has trained several hundred people in the world of cryptocurrencies. He also acts as a consultant and advisor for companies where he shares his knowledge related to blockchain technologies. Paul is a dedicated entrepreneur and has started companies in legal technology, finance, sports and health. Paul is the co-author of the book “The Bitcoin and Cryptocurrency Bible”.

Questions?

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