Founded in 2019, Treelion established a blockchain system with the mission to build a "green digital infrastructure" by utilising Elion Group's 30-year experience in green ventures with advanced technologies, including internet of things (IoT), artificial intelligence (AI), and big data.

Our goal is to create an inclusive green financial ecosystem to enhance bankability and liquidity of green assets such as ecosystem services and carbon credits that are currently difficult to trade. With the use of blockchain and other decentralized ledger technologies (DLT), Treelion trading platform and standards can be used to facilitate the transfer of the value of digital assets on a global scale at reduced costs and risks. These technologies can also improve the standardization and value discovery of green assets, as well as the efficiency of proprietary asset transfers.

Treelion's technology solutions facilitates online transfer of values and secures storage of green asset values. It enables asset on-chain registration, decentralised value exchange, distributed data storage, point-to-point transmission, and more.

Treelion is building a green finance backbone node for "Sparkchain Network", the country's new industrial blockchain infrastructure, which can assist the registration, verification and certification of high quality and high value carbon credits to transfer to carbon exchanges. We offer carbon emission certificate traceability management system, digitized carbon accounting, supply chain carbon emission management, carbon quota early warning, and carbon asset forecasting services. Enterprises can upload carbon emissions related information to our blockchain platform, and automatically conduct comprehensive data analysis through on-chain smart contracts, so that decision-makers can make optimal carbon emission related decisions conveniently, accurately and efficiently.

In addition, we also offer blockchain project incubation services for clients and stakeholders to standardize, verify, certify, and register their assets and launch investable products. Through this approach, startups, green companies, and institutions can "tailor to blockchainize" their green projects into "value units". These value units are represented as Non-Fungible Tokens (NFTs). These NFTs are different digitalized certificates representing different green credentials and/or certified carbon credits (VERs) by individual or corporate activities.

The Foundation has launched a mini program/APP to facilitate active participation by individuals and organizations alike. In future, Treelion blockchain technology will allow cross-chain trading between cryptocurrencies and different central bank digital currencies (CBDCs).

Treelion is spearheading a low-carbon economy and lifestyle, building personal and corporate carbon ledgers, realizing trusted recording and tracking, verification and certification, and incentivizing low carbon measures. We have received supports from partnering institutions promoting fintech and green finance, investors, and governmental agencies at ministerial level. They recognize the Foundation's efforts to tackle market pain points using innovative technology solutions.

Treelion – A public blockchain for green trades and a new engine for green economy!

Treelion Foundation Global Advisory Council Members

Erik Solheim, Chairman	Former Deputy Secretary-General of the United Nations and Executive Director of UNEP
Irina Bukova	Former Executive Director of UNESCO
Tim Groser	Former Minister of Trade, Conservation and Climate Change, New Zealand
Karmenu Vella	Former European Commissioner for the Environment
Izabella Teixeira	Former Brazilian Minister of the Environment
Zhu Yong Guan	Academician of the Chinese Academy of Sciences
Helen Hai	United Nations Industrial Development Organization (UNIDO) Goodwill Ambassador for industrialization in Africa

Selected screen shots of Treelion's works in relation to building a digitized carbon trading platform.



Treelion **Business** Matrix

Treelion's unique business model is based on the backbone node of the national Spark Chain Network. The 3 main chains allow individual and corporate participation to create, register, manage, and trade carbon credits (VERs). It is a closed -loop blockchain powered green finance infrastructure that forms an inclusive, safe and credible platform, and facilitates the injection new capitals into the global green economy.

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du: Tian Eu Low Carb 66 yle 3060 Global User Industry PHCER Chain Seed Pencil Digital Ide TREELION Green Digital Platform C-end User Conv Data Support Integration Spark Chain Voluntary etwor ional Blockchain Infrastructure

My Forest

rise SaaS Service Gr

Carbo

Asset

Chair

Green Passport

on Digital P

Trading

Core Product: Treelion BaaS Platform

Supporting platform for Treelion's green digital infrastructure Capable of automatic blockchain deployment

Autonomous and Controllable Underlying Blockchain A Complete Set of

It not only provides one-click automatic blockchain deployment, but also realizes: cross-chain support through a custom cross-chain network protocol layer, and provides smart contract automatic writing plug-ins, smart contract. Ifle cycle management, smart contract security inspection tools, and a complete set of development tools such as an integrates/malaboxen environment for blockchain application development, which greatly reduces the difficulty of blockchain development.

From the blockchain platform to application R&D components to scenariobased services, it provides complete and convenient technical service support for blockchain applications, operation and maintenance, and provides subprocess scenario construction and technical empowermentfor blockchain + ecosystem in order to meet differentnetworkdepioyment architectures. Freeinoinas supports multiple deployment modes such as doud service deployment, privatelocalization deployment. Jgrinde deployment, and hybriddeployment.

Treelion's underlying blockchain platform is the country's first to implement a domestic hardwareenvironment blockchain system, which can run on domestic Kungenghardwareenvironmentschaus ha Taishanservers Full application of the national encryption algorithm fully comply with the "Cryptographybu" and the relevant requirements of the SGA and adopts the SMCJAM_series of cipher algorithms to meet the SCA requirements of various concentrations of the second second

cryptographicmodules. Domestic CPU adaptation: support domestic software environment, including ArcherOS as well as domestic operating systems such as Standard Software and Kylin



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Support Localized **Operating System**

Whole Process

Scene Construction

Loca

Self-developedblockchaincore technologies, including permissionaccess, consensus algorithmsetc, using Rust language to ensure high performance and stability, and achieveindependentcontrol of the underlyingplatform It is suit ablefor many fields such as governmentaffairsand finance.

PHCER Chain

PHCER Chain is based on lowcarbon behavior data, low carbon credit systems, and lowcarbon digital rights. It helps the public and private sectors better implement PHCER projects at relatively low construction cost, so that everyone can participate in carbon reduction activities, which further supports the active promotion of the construction of a PHCER market.



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Carbon Asset Chain

The carbon asset chain aims to play an important role in carbon credit value and trading and other derivatives

The world's First High Integrity CCER Offshore Transaction Completed On August 9, 2021, the world's first high-integrity CCER (from Elion Resources Group's kubuqi Eco-Photovoltaic Sand Control Phase II 200MW Power Generation Project) offshore transaction was completed, and the buyers were individuals and institutionsin HongKong

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recognition in the international market.

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CCER: voluntary greenhouse gas emission reductions registered with the National Development and Reform Commission and registered in the national registration system.

> Treelion uses blockchain smart contracts to perform carbon credit conversions of various standards in the marketplace, both CER and VER can be traded on this chain



Collaboration with National Ministries

CAICT 中国信通院

Spark Chain Network – National Backbone Node License



3060 APP Five-Year Project Cooperation Agreement

Treelion will help the CAICT of the Ministry of Industry and Information Technology to build a backbonenode to implement blockchain+ carbon neutrality. The backbonenode of the Spark Chain Network provides basic service capabilities such as sub-link access management, digital identity management, and identification resource allocation to expand interoperability. In order to expand intercommunication, the backbone node will access industry/regional applications, and build an industry/regional industrial ecological cluster development model.

Key facility	A connector that	The business
empowered	combines main	hub of industrial
by blockchain	chain resource	Internet and
projects and	services and	blockchain
applications	industrial	industry
	applications	technology

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Treelion signed a five-year cooperation agreement with the Center for Environmental Education and Communications of the Ministry of Ecology and Environment to promote 3060 APP nationwide.

> G 3565 Designated Application for "Millions of Riding Helps Winter Olympics Blue" event



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