



Humanizing the Blockchain™

Official White Paper

April 7, 2018





WE ARE

A persistently next-generation Silicon Valley-class Blockchain 3.0 foundation upon which to build, accelerate, simplify and **Unify** our transactions...

...and each other.

DEDICATION

We created Unify Earth® and the UEX® Coin “For The Good Of All Humanity.”

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“It’s important to create unity for our transformational work.

It is a Universal truth that we are all one and can call upon our higher selves if we choose to.

The technology of unity appears complex, but it is only a collection of very simple sense linking steps.”

- Jim Channon

Lt. Col. (USA, Ret.) The First Earth Battalion Manual





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Introduction

Unify Earth® is a revolutionary new approach to using blockchain technology as a foundation for building new digital infrastructure, the current and new industries that will deploy this technology, and the resulting significant and measurable social value that it will bring. It is flexible, scalable, secure and revolutionary in its global approach to create ease of use and adoption for all the world's citizens.

Developed by some of Silicon Valley's most preeminent veteran minds (Apple®, Microsoft®, etc.), Unify Earth® advances the state of the art in foundational blockchain code and the digital currency exchanges (DCE) that ride it in terms of their ease-of-use and security by deploying market-defining systems integration protocols and multiple business models for exploiting the blockchain, and by offering a number of unique features not found in any other blockchain.

We are building on the latest features, second-generation innovations and source bases now powering Bitcoin®, Dash®, Ethereum®, Litecoin® and other platforms within the rapidly expanding universe of today's global blockchain. We are also building upon nearly 100 potential patents, trade secrets and other proprietary IP related to scripting language adoptions and extensions, a range of sidechain solutions, unique control and security capacities, unique and intelligent contracting and mining innovations and a general upgrade to nearly every aspect of the blockchain, enabling an end-to-end integration that comfortably differentiates us from competitive platforms.

Perhaps most competitively, we have built our platform from the ground up to be optimized for both the creation of novel business infrastructure, and importantly, for seamless systems integration across any and all existing business in a manner that ideally accelerates the efficiency, efficacy and speed of these legacy platforms.

It is this greater suite of novel IP, and our unique and many-decade expertise with the architecture of seamless systems integration, that is enabling the deployment of our advanced and localized wallets across the growing number of Unify Earth® Exchanges, we are working hard to finance and build across the planet.

Please request the pending Unify Earth® Yellow Paper for more technical detail on our unique capacity and history with system integration.



The Inspiration

Founded upon the intention of the original Satoshi Nakamoto Bitcoin® white paper, and guided by the vision of the late Jim Channon (Lt. Col., U.S. Army, Ret.) and his New Earth Army— “to be the guardians of humanity’s evolution, to protect the possible and nurture our potential,” Unify Earth® is focused on the creation of a future-proofed and future-embracing, values-first and globally inclusive upgrade to the most extraordinary technological innovation of our time, the Blockchain.

Our focus is on “Humanizing the Blockchain™” by empowering all peoples of Earth to use the distributed value, security and community it contractually creates easily and confidently, while bringing equity and cohesion to the global blockchain and cryptocurrency communities. Our goal is to empower all users, customers, partners and investors to be uniformly treated with integrity, dignity and respect. Ultimately, Unify Earth® seeks to make its UEX® Coin the most viable global digital currency for sovereign use by all citizens of Earth. On the way there, we intend to be the safest, easiest-to-build-upon-and-use blockchain infrastructure on the planet.

We will accomplish both by deploying a broad but coherent and staged strategy that tackles the challenge of global adoption, and by continuing to partner with leaders and organizations that have already established aligned humanitarian outreach. Our initial partners include the United Nations-affiliate World Sport Alliance Inter-Governmental Organization (WSAIGO), and the United Nations Sustainability Global Index Institute (UNSGII), both of whom share the mission to end world poverty while creating a robust global middle class.

We are listening to each of our initial innovative partners to help identify the ideal characteristics such a network would have to deploy in service to their own and greater humanity’s aggregate needs as we work towards our own necessary adoption and sustainability via rapid growth.

We designed our network not only to serve, but also to belong to our beautiful Earth by virtue of the network’s primary commitment to efficiency, success and perpetual evolution while providing continuous and measurable social impact as a fundamental prerogative.

How We Will Succeed

We have six lines of effort to inform and guide our strategy. First, we resolve the primary issue of meaningful adoption by making transactions immediate, secure and immutable across the present and emerging crypto-economies, thereby building trust in a trustless environment. By developing our full-featured intelligent wallet architecture as multi-platform software with a seamless interoperability of functions, we have designed a secure system that is customizable, brand-able, and can be localized for countries, governments, large organizations, corporations and global projects of almost limitless scale. In short, we have built a universal payment rail that we envision as a 21st Century digital ‘Autobahn’ upon which secure and binding economic traffic can travel swiftly upon now and well into the future.

Secondly, we make collaboration easy. As a way to ease this process, we offer three clear service lines of support. We: (1) Empower seamless integration to existing businesses and their IT infrastructure seeking blockchain acceleration; (2) Offer access, tools, manpower and consulting required for partners and their IT assets to build their own blockchain atop and optimized by our own; and (3) Build out and optimize any application or infrastructure on a TBD basis.

Thirdly, the Unify Earth® Blockchain will also host ICOs and ITOs with a turn-key launch process. We are developing a single enhanced blockchain platform on which to launch ideas, products, goods and services and entire industries– and upon which to trade value, both digital and physical, anywhere in the world. It is a platform of truth and transparency, fully supported and authenticated by the people of the world for all posterity.

Fourth, anchored in the knowledge that the natural resources of the world are far more vast than previously disclosed, we are planning to enable a greater access to the people of the planet by building Unify Earth® Global Exchanges that will empower sovereign trading of resources among all the world’s people and regions– ideally within the context of the UN’s [Sustainable Development Goals \(SDGs\)](#).





Fifth, there are currently over five billion unbanked world citizens without access to a universally trusted blockchain platform for fast, affordable and secure end-to-end transactions. Unify Earth® directly addresses their need and this opportunity by delivering transactional capacity that enjoys dramatic improvements upon first-and second-generation blockchain technologies, optimizing speed, future-proofing security and enhancing mining algorithms, while generally upgrading nearly every aspect of the blockchain.

Finally, the UEX® Coin will trade on existing cryptocurrency exchanges around the world, as well as across our own. It is our vision that the Unify Earth® UEX® Coin will become a universally adopted and inclusive cryptocurrency for “The Good Of All Humankind.” The UEX® Coin is an unregulated cryptocurrency with a market cap of 15 billion including a pre-mined base of 1.5 billion coins.

The Platform

The Unify Earth® Network is built on our own state-of-the-art blockchain using the latest, most secure and functional software and mining technology available— and deploying the very best of some of the most respected system integration engineers, code and protocols of the last 30 years in order to optimize seamless integration and acceleration with existing business. Unify Earth® supports intelligent contracts and infinite robust powerchain and sidechain applications, without degradation to network performance. Unify Earth®’s use of X11 hashing and harmonic mathematics, when coupled with the difficulty-adjusting algorithms of our proprietary Adaptive Intelligent Mining™ system, allows for low-power and low-heat hashing with fairness and inclusion across all mining activities.

These systems guard against insta-mining and strip mining, as well as other similar attacks that have plagued cryptocurrencies in general.

Unify Earth® also offers our own enhanced on-chain Scripting Language for more expressive transactions, and a range of sidechain solutions for more advanced, customized and intelligent contract development. Additionally we deploy Open Asset for the specialty use of “Color-Coded Coins.”

Unify Earth® is committed to using and maintaining the best practices available in the blockchain and cryptocurrency community. Developed by software leaders from Microsoft® and Apple®, the technical team is literally in a class by itself. Led by an executive team of accomplished stakeholders, the professional infrastructure of Unify Earth®, along with its international network of strategic partners, is working hard to reach the eyes and minds of one billion people within its first year of introduction.



Unify Earth® is operated by Unify Holding, E.E., headquartered in Freeport, Grand Bahama, which will launch an initial Unify Earth® Global Exchange there in Q2 of 2018, with additional exchanges planned for Panama, Brazil, Spain, Vietnam, Southeast Asia, and West Africa throughout the remainder of 2018.

PRODUCTS

- Unify Earth® **Wallet**
- Unify Earth® **Global Exchanges**
- UEX® **Coin**
- Unify Earth® **Blockchain**



Unify Earth® is committed to assuring that our platform maintains:

- A state-of-the-art technical foundation with advanced security algorithms
- A systems integration-optimized architecture intended to accelerate both clock speed, and the speed to deployment
- X11 hashing for speed, accuracy and lower energy use with greater efficiency
- Innovative AI-governed mining services with our proprietary Adaptive Intelligent Mining™ system with difficulty-adjusting standards, and harmonic mathematics algorithms
- Robust and programmable cross-functional wallet for all major platforms and uses
- Support for Instant Payments, Debit, Credit, Fiat, Forex, Real and Intellectual Property
- A clear and focused technical upgrade path to help lead the global community forward
- And in general, the fastest and most efficient roadmap to financing, building and integrating global exchanges

Unify Earth® is introducing a platform which conforms to international best practices, including the XBRL (eXtensible Business Reporting Language) used universally by the finance industry, so your blockchain transactions will be valid in traditional registries. Unify Earth® is equally capable of extending interoperability with other major industries and assuring the highest quality, security and performance standards found in the world today.

Unify Earth® utilizes our advanced network to bring universality and cohesion to the blockchain and cryptocurrency global community. Experts agree that our Silicon Valley level of technical leadership combined with natural mainstream integration is exactly what blockchain technology needs to succeed as...

The Operating System for a New Humanity™.

Current and Future State of the Blockchain

Blockchain is a distributed, immutable ledger enabled by a peer-to-peer network that sits on top of the internet. Blockchain technology was introduced in October 2008 as part of the proposal for Bitcoin[®], a virtual currency system that eschewed a centralized authority for issuing currency, transferring ownership and confirming transactions. But Bitcoin[®] was merely the first application of blockchain technology.

Undoubtedly, blockchain technology has enjoyed an incredible surge in not only the introduction of new cryptocurrencies but also in its market value. Closely related to the surge in cryptocurrencies is the vibrant trend that finds most major global corporations now beginning to investigate, experiment with and gradually incorporate the value of blockchain technologies within their global IT infrastructure. Apart from the use of cryptocurrencies as means of payment, numerous new developments are emerging across the blockchain that are creating new products, dramatically improving existing ones, and increasingly threatening to disrupt entire industries.

With the arrival of blockchain technologies, there will come a paradigm shift across all worldwide systems that can benefit by distributed, non-centralized computing– if only from a security and efficiency perspective. Blockchain is already antiquating a growing number of current legal and accounting products, infrastructures and their associated fees.

The Challenge

Governments all over the world have conflicting views on the applied use of blockchain technologies in traditional governmental systems– in big part because of the obvious threat that cryptocurrencies suggest to the world centralized, bureaucratically burdened currencies.

On one hand a growing number of governments are afraid that blockchain, and particularly cryptocurrency, might undermine their authority and poses a threat to current political and economic systems. On the other hand, yet another growing number of governments are embracing cryptocurrencies and their public transactions as a new opportunity for economic development.

But while the cryptocurrency face-off continues to evolve and challenge the fates of current speculators, a far greater number of governments are fully supporting the evolution, proposed efficacy and value of blockchain technology, recognizing the immense power and potential capability of the technology.

Whether it is financial empowerment, social change, or enhanced democracy via blockchain voting solutions, blockchain technology has the power to disrupt traditional systems while enacting meaningful change for all of humanity.

For more background please see below latest statistics plus Consensus' 2018 State of the Blockchain Report:

<https://media.coindesk.com/uploads/research/state-of-blockchain/2017/q4/sob2017q4-2018.pdf>

2016 - 64 ICOs collectively raised \$103 million

2017 - \$3.2B ICOs / \$200M VC

Forks have raised 8X more than ICOs.

Token generating events (TGE) are split between \$44B in forks vs. \$5B in ICOs cumulatively.

Total cryptocurrency market cap breaks \$600B in 2017, nearly as much as the GDP of Argentina.

Mission and Core Values

We lead with values first. Our dream is a future-proof platform that is designed for the good of all humanity. Our goals for inclusion begin with delivering quantifiable value to the youth of the world, their parents and every global citizen interested in a more sustainable future, with the Unify Earth® Blockchain empowering an increasing percentage of their transactions, trade and services (e.g., insurance, finance, real estate, etc.) in support of the greatest good of All.

Social Engagement

In our social engagement strategy, we maintain a presence across relevant channels, including Facebook®, Twitter®, LinkedIn®, Instagram®, YouTube®, Medium®, Slack®, Telegram®, Pinterest®, and more to connect with industry partners and customers.

We engage on many levels, communicating the Unify Earth® brand and mission, company and product announcements, education, partner promotion, and industry-related topics to further encourage and enable the adoption of blockchain technology and the use of digital transactions with a “values first” vision around the globe.



Roadmap and Execution

Our strategy maps along several concurrent lines of effort.

Given the basic roadmap required to succeed as a major and enduring technological platform we offer each of three necessary elements: Excellent Software; Excellent Team; and a Global Network of innovators and early adopter financiers, entrepreneurs and socially conscious industrialists.

Excellent Software— and a Third Party Development and Vendor Ecology

Our system-wide code structure, down to every bit and byte, represents a fundamental upgrade of the existing technology, improving the contemporary blockchain and optimizing ease of system integration. It was developed utilizing primarily open-source code coupled with unique code structures and processes for our provisional patents. Our wallet signifies a powerful foundation for a new generation of business applications that can be customized and localized for every person, place and purpose. We adhere to Open-API constructs that allow the third-party partners we desire and we are aggressively recruiting to extend our capabilities, such as for ID Data, Geo-fencing, Color-Coded Coins, Unsecured Asset Trading, and Cash-to-Crypto ATM machines—these are just a few of the technologies that are already integrated or on the near horizon for Unify Earth®.

Excellent Team

Selected from a diverse set of leaders in their respective fields, each member of the Unify Earth® team brings decades of subject matter expertise to their role. From the early days of Apple® and Microsoft®, to U.S. Army and parliamentary elected leadership, from securities law, brand management, social media engagement strategy and award-winning design, to movie/music industry producers and Silicon Valley leaders with many successful investment exits, Unify Earth®'s socially committed “team of teams” strives to live in accordance with our core belief that the more good there is *in* the world, the more good there is *for* the world.

Global Network

Our partners, investors, advisors and founders each bring strong and richly interconnected networks of deep and info-centric advocates who represent values-aligned audiences in the millions. Our global partners are deliberately chosen because they synergize with our vision of “**Values First, Values Forward.**”



Values First, Values Forward

Unify Earth® is a value-based organization, guided by and committed to the 17 Sustainable Development (SDG) goals that were established to bring peace and prosperity to all humans by 2030 by the United Nations, and signed by 193 World Leaders in 2015.

Unify Earth® is partnered with The UNGSII FOUNDATION (UNGSII.org), which was launched in 2015 to assist in the acceleration and measurement of the deployment of the 17 SDGs.

UNGSII's mission is to ensure that the world reaches its pledged goal at the latest by 2030. Its strategic approach to Global Social Change is based on three main pillars:

Transform Financial Markets– creating broad-based awareness of the economic value of sustainability.

Empower Youth– focusing on understanding and supporting the next generation's adaption of the SDGs as a way of life and leadership as an imperative for supporting their future and creating social change.

Celebrate– inspiring billions of people through high profile events, festivals and activities.

As we firmly believe that Unify Earth®'s advanced blockchain technology is the best platform upon which these goals might be power-projected into every corner of our planet, we plan on enabling rapid scaling across multiple diverse verticals. These include planned deployments within our first two quarters of launch, across public, private, governmental, and non-profit client partnerships.

Unify Earth® places top priority on equality of opportunity and this commitment reveals itself in our technology in the form of difficulty-adjusting mining algorithms, unlimited many-to-many sidechain relationships, and our dedication to the open-source community. This inclusive philosophy is demonstrated in all of our partnerships and promotions.

Empowered Partnerships: Vetting for the Good of Humanity

All of our partnerships, promotions and offerings are vetted against the UN's 17 Sustainable Development Goals, and will increasingly be vetted across UNGSII.org's SCR300 index (measuring the media communicated rate of adoption of the world's 1000 largest corporations). As a platform for new Initial Coin Offerings (ICOs), we maintain a commitment to vetting each ICO for its SDG compliance. All of our ICOs will be VICOs (Vetted and Value-based).



“Architected Inclusion”

Unify Earth® is enhancing the blockchain for increased fairness, equality and distribution of power. To that end, we are committed to supporting an evolution away from concentrated power both on and off the blockchain. Our technology and business practices are designed to allow for equal access to products, services, currencies and other value, ensuring global inclusion and greater security with higher transactional throughput, on a level unseen before in any previous or existing blockchain organization.

Architected Ease of System Integration

We have architected our platform from the ground up to surpass any existing blockchain on the planet for seamless ease of integration. The core engineering team has decades of aggregate experience within the unique science of system integration earned at the foundational level of OS architecture from some of the largest platforms on the planet (e.g., Apple®, Microsoft®), and have been thrilled to bring their industry acknowledged expertise (please see below bios) to the Unify Earth® platform. In particular, our team has expertise in Systems Integration (SI) with Hewlett Packard®, Oracle®, IBM®, Salesforce® and most known large-scale platforms. That combined expertise will form the basis of the next generation Professional Services that Unify Earth® will offer its clients, utilizing our secure, scalable and robust blockchain system.

Next Generation Wallet

Utilizing our full patent-pending implementation, with its lightning-fast scalability, the Unify Earth® Wallet is fully capable of being programmed for e-commerce transactions, large value transactions as well as Fiat, Forex, Cryptocurrencies and Real Goods transactions. Additionally, the Unify Earth® Wallet has available features in the areas of SMS, RSS and IM. Equipped with game-changing features built in, it includes connectivity to contact managers, merchant detection, multiple accounts management, oversight and permissions, all in an environment that offers extensible plug-in APIs for the greater inclusion of third-party developers. This is a brand-able, closed-system and rules-enforced wallet that can be customized for countries, governments, large organizations, corporations and global projects. Together with instant payments utilizing InstaPay® and the Unify Earth® Global Exchanges, we further enhance our wallet and promotional activities with opportunities to participate in this distributed benevolence with our value-added partnerships.



Partners First

Unify Earth® is a partners-first organization when it comes to marketing and adoption of our technologies, coins, and emergent end-to-end platform:

- a) Humanitarian organizations become our promotional partners to help us reach individuals engaged in benevolent action, while distributing value to those in need.
- b) Blockchain development communities become our technology partners, helping us develop real-world, values-based applications that sit on the most secure, programmable, and powerful blockchain in the world.
- c) Financial organizations become our map to global exchange and payment applications for maximum speed and security to empower all of humanity.
- d) Government organizations become the gateways to global exchange and opportunity.

Markets and Marketing

We engage our partners through our events, free wallet and application offerings, educational materials, entertainment and edutainment activities and community-building tools.

Currently we have strategic partnerships with world leaders in the areas of e-Commerce, Real Estate, Travel, Physical Assets and Insurance. We have hundreds of applications on the design table that all extend from the Strategic Partner programs we have developed.

Marketing Example: Earth Day 2018

An example implementation of our marketing priorities is our 2018 Unify Earth® Day virtual event. This event highlights our partners, builds community, entertains and educates— all while driving real-world value to the planet and those in need through our affiliated organizations. Visitors can access our first free e-book, featuring visually engaging information about the UN's 17 Sustainable Development Goals; they can play games and win UEX® Coins which they donate to worthy causes or use to purchase digital goods; they can attend a virtual film festival and receive daily inspirational messages, all while exchanging value and natural resources with others, from around the world, using the world's most powerful and secure blockchain.

Industry Partnerships

Our key to success is in forging partnerships with strategic industry partners. By analysis, we have identified these five core industries that will see the greatest and most immediate gains from blockchain technology:

TRAVEL • REAL ESTATE • E-COMMERCE • ASSET MANAGEMENT • INSURANCE • DIGITAL MEDIA

Use Case 1: Real Estate on the Unify Earth® Blockchain

A private client partner of Unify Earth® is dramatically improving the traditional models of the presenting, securing, buying and selling of all levels of real estate. Beginning with commercial real estate holdings (a highly fragmented market), we can now unify an expensive and inefficient global marketplace currently lacking the ability to accurately document the many changes of deeds and trusts over the course of history, with each country making it even more complex with their individual laws. Banks, attorneys and real estate agents are resource-challenged and don't have many options other than expensive enterprise solutions, which do not communicate together.

Our client partner believes that if you give banks, attorneys and buyers more opportunities to organize and present their current global real estate properties, on their terms, on our blockchain for generations to come, allowing them to scale up and down as needed, that the frequency and volume of their buying will increase and markets will stabilize.

This global real estate program will be hosted, managed and deployed on the Unify Earth® Blockchain.

Use Case 2: Global Community Health on the Unify Earth® Blockchain

HOPSports provides a ready-made safety, health and learning solution that is currently implemented in schools, universities, community-based organizations, hospitals, recreation centers, and treatment facilities in over 70 countries. HOPSports' programs provide opportunities for increased physical activity, nutrition and character education as a proven strategy for student health, well-being and academic success. HOPSports is currently partnering with the Austin, TX school district in an experiment that links gaming tokens tied to videogame 'virtual goods' as a reward to motivate excellence and participation. Unify Earth® is integrating its UEX® Coin to enhance the value of the gaming token, and deploying its Wallet 5.0 as both an in-school and home-based distribution channel for the content, and localized performance measurement vehicle.





Use Case 3: Unify Earth® as a General Transactional Platform

- a) Remittance, Payroll, Supply Chain
 - b) Transactional Currency with Intelligent Contracts
 - c) Mini-Exchange within the Unify Earth® Wallet for Fiat and cryptocurrencies, with future plans for Forex
-

Technical Overview

Adaptive Intelligent Mining™

Unify Earth® employs a novel, new difficulty retargeting algorithm called Adaptive Intelligent Mining™ a shard-based mining system that offers automated control over mining, difficulty re-targeting and block reward payouts. It allows a variety of mining clients to participate effectively in the system—from CPU/GPU miners to ASIC/FPGA miners—and includes automatic optimization and anti-hacking technologies to ensure the performance and integrity of the blockchain. The algorithm responds very well to sudden changes in hashing power whether up or down. Emergency adjustments, if needed, usually kick in within ten blocks, and in non-emergencies it offers a responsive but gradual and well-damped adjustment.

Additionally, it makes an effort to keep the blockchain height approximately synchronized with real time—although real time here should be thought of more in terms of calendar date than clock time. If it's more than two weeks behind, the algorithm will be trying to make block times about 10% faster than nominal, and if it's more than two weeks ahead, it will be trying to make block times about 10% slower than nominal. In between, there's a linear interpolation between those speeds—meaning the point toward which the algorithm regulates will be exactly the nominal block time whenever there's an exact correspondence between block height and real time. Whenever the hashing rate has been reasonably steady for the last month or so, the correspondence between block height and actual time should be within a few hours.

This was originally proposed as a reaction to (and replacement for) the first version of the Kimoto Gravity Well algorithm, which was extremely “twitchy” in that whenever two blocks arrived whose timestamps were too close together, or reversed in sequence, it would make extreme adjustments to the difficulty rate. By checking multiple intervals and making adjustments only when there is agreement as judged by several intervals as to which way and approximately how extreme the adjustment should be, Adaptive Intelligent Mining™ both avoids twitchiness and permits fairly extreme adjustments when they are actually needed.



Because the intervals it checks have no common divisor, it is also very resistant to time warp attacks; there are no “harmonics” for an attacker to exploit that would allow bogus timestamps at particular intervals to reinforce each other leading to spurious adjustments, and no way for a bogus timestamp to cause a disproportionate difficulty adjustment.

The outcome and benefits of our advanced technologies are numerous, not the least of which is our ability to deliver a more level playing field for miners, to deliver more advanced functions for those that do not have large mining capacity, and to provide leadership within the blockchain communities that can demonstrate fairness to the greater global community as Unify Earth® rolls out its Unify Earth® Global Exchanges and Unify Earth’s® special Masternode servers that enable us to plan for a distributed, trusted network worldwide.

Unify Earth® also offers extensive support for sidechain transactions. An offshoot of RSK, these sidechains allow the expression of extremely complicated conditions or contracts without bloating or otherwise impacting the main chain. These create many-to-many relationships, with no degradation in performance. The outcome and benefits of this technology allows Unify Earth® to offer ICOs, ITOs and other launch platforms for coins and tokens, as well as new or existing organizations looking for funding, global networking and an interoperable blockchain that can be privately labeled or operated under the Unify Earth® brand, all using the advanced technologies that Unify Earth® offers.

Thus, Unify Earth® offers the best of all worlds with enriched, intelligent transactions on-chain and unlimited programmability of complicated sidechain contracts and functions. The outcomes and benefits allow for truly programmable services and currency with no limits to what is built-in and automated by the Unify Earth® Blockchain and its Unify Earth® Global Exchanges.

Instant Payments/Masternodes (InstaPay®)

Building on ideas from Dash® and Lightning Networks®, Unify Earth® employs the concept of Masternodes—special servers that form a distributed, trusted network. Thus Unify Earth® has two tiers of trusted network participants: mining nodes and Masternodes. Mining nodes receive block rewards for solving complicated X11 hashing problems (as dictated by Adaptive Intelligent Mining™). As they build blocks in the chain, they provide confirmation for transactions on the chain. This type of mining is called Proof-of-Work (PoW) in that the participants (the miners) must prove that they have completed a certain amount of work and, therefore, have spent time and resources to “mine” new blocks.



Masternodes, however, do not have to mine (although they can also be mining nodes). Unlike Proof-of-Work, Masternodes gain the trust of the Unify Earth® Network through a Proof-of-Stake (PoS) system. This means that Masternodes must amass and hold a large quantity of UEX® Coins over a long period of time. This establishes a “stake” in the network and, therefore, a level of trust.

Among other things, Masternodes enable instant payments. While regular transactions within the Unify Earth® Network are very fast, they each typically require six confirmations by mining nodes in order to be considered fully confirmed. To support real-time confirmations for transactions, Unify Earth® employs Masternodes to provide consensus that a given transaction is valid. By reaching this consensus, the Masternodes enable the transaction to proceed instantly, even before mining nodes have gotten around to providing confirmations on the blockchain. This consensus happens within seconds, and the effect from the user’s point of view is a real-time, fully confirmed transaction. Masternodes are also the hub for many of the advanced activities on the Unify Earth® Blockchain such as ICOs, Advanced Publishing and Content Distribution, Governance and Oversight as well as the flexibility to work within the Unify Earth® Global Exchanges.

Security

With the advancement of Adaptive Intelligent Mining™ on the Unify Earth® Blockchain, and the global infrastructure of our exchanges, Unify Earth® has the technical security that major institutions demand and the organizational security the world community expects. This advanced technical security deployment is also enhanced by AI and AML features that are built into the Unify Earth® Blockchain algorithms. Our wallet supports 2-Factor Authentication and is the most secure available, as utilized by other leaders such as DASH®, Coinbase® and BitPay®.

Additional Information

The exact specifications of our advanced Unify Earth® Wallet features will be described, which include multi-source data inputs such as SMS, RSS, HTML5, Special Alerts and cross-function payments all within one Unify Earth® Wallet, which uses cryptocurrencies, Forex, Fiat, real and intellectual property, and natural resources for trading and exchange. Unify Earth® Global Exchanges tie this all together globally with the ability to securely place most any asset on the Unify Earth® Blockchain for trading, exchanging and monitoring, even at a Country or Regional level, thereby creating the first end-to-end system using the advancements of Unify Earth® Blockchain, Unify Earth® Masternodes and Adaptive Intelligent Mining™.



Team

Bo Rinaldi PRESIDENT AND CEO

Bo Rinaldi co-founded and ran one of the largest software consulting companies in Silicon Valley between 1984 and 2000. Many of his client tech startups grew into mega corporations including Apple®, Oracle® and IBM®. He provided the key technology teams for the development of Microsoft® XML, Adobe® Acrobat® and Apple® QuickTime®. Bo led or mentored high performance teams for dozens of projects at Apple, including three for Steve Jobs personally. Creating high caliber dream teams that integrate technical talent, project and leadership for diverse software architecture buildouts at E*Trade®, Netflix®, Drugstore.com®, Match.com® & Ticketmaster®, Rinaldi brings a global vision and deep knowledge of the mechanics and the cultural interactions necessary to build Unify Earth® as a global blockchain platform.

Robert Krivitsky CHAIRMAN AND CFO

Robert Krivitsky is a leading financial services expert with more than 30 years of experience as a securities and brokerage investment executive. Starting his career working for the State Bank in Bolivia and as a commodities trader in Argentina in the 1970s, his expertise includes: investment banking, corporate finance, underwriting, financial structuring, proprietary trading, acquisitions financing, syndications, private placements, back-office operations and compliance. Currently, he spends most of his time in The Bahamas, and is a Partner in a Bahamian Executive Entity called Unify Holding E.E.

Sidney M. Stubbs VICE CHAIRMAN & COO

Sidney McArthur Stubbs, JP, is an International Lawyer and Financial Analyst. He is a former Member of Parliament in the Commonwealth of The Bahamas. A former radio and television broadcaster, he served as a diplomat, working in the legal departments of the United Nations, and the World Bank and as an international consultant in politics and finance and a speech writer around the world. The former Executive Chairman of The Bahamas Agricultural and Industrial Corporation, he is an honors graduate of Norfolk State University, the University of Cambridge, Cambridge, and The Hague Academy of International Law. He is a British Chevening Scholar and a United Nations/UNITAR International Law Fellow.

**Scott Searle** CHIEF TECHNOLOGY OFFICER

Scott leads all Unify Earth® intellectual property initiatives. He was previously Founder & Chairman of Lock-Stream Corporation, a provider of digital rights management and anti-piracy software, whose clients included Nokia®, Motorola®, Hutchison®, Atos Origin®, IBM® Global Services, HP® Consulting, Texas Instruments® as well as major media companies Time Warner®, Sony® and Universal®. Scott was integrally involved with the development of Microsoft® Word, Microsoft® Project and Apple® OS. He previously served as a board member for the International Open Mobile Alliance standards body, responsible for standards governing nearly every aspect of mobile phone devices and networks. He is a frequent speaker on security, blockchain and wireless technology, and holds seven technology patents.

Arnold V. Strong COMMUNICATIONS DIRECTOR

Col. (USA, Ret.) Arnold V. Strong brings three decades' experience as a communications strategist, management consultant, and operator. His diverse experience spans enterprise-level public, private, defense, academic organizations and technology start-ups. A veteran of combat operations in Iraq and Afghanistan, the US Army Ranger also led peacekeeping training and operations in Bangladesh, Egypt and Ghana. A former executive committee member of a publicly traded company, Strong was also CEO of Portland-based Bright-Neighbor® and the founding communications director for DeepCurrent®, a venture-backed, Los Angeles-based artificial intelligence start-up. He serves on the boards of several veteran-focused non-profits.

Clifford Schinkel CREATIVE DIRECTOR

Cliff immersed himself in graphic design with CAD and CG in 1984 and quickly became an expert in digital media, including graphics, video and 3D animation, interactive programs and UI. He has held positions ranging from Art Director to CEO, Adjunct Professor to Creative Director. Cliff has developed ad campaigns, events, products and marketing strategies with authors, celebrities and CMOs of Fortune 500 companies, such as Ford®, GM®, Sony®, Intel®, Disney®, Shaklee®, Farmers®, AIG®, Nike®, and The Smithsonian Institution. He has served in technology think-tanks, and co-founded companies that invented media technology from enterprise-level visual asset management, to narrow-cast marketing systems, to telepresence. Cliff's fertile imagination has been instrumental in the roll-out of products and brands you see every day.



Tracy Chapman SOCIAL MEDIA DIRECTOR

Tracy Chapman has 21 years of experience in search marketing, including search optimization, paid placement advertising, and social media consulting. She has worked for numerous companies in a variety of industries including medical, industrial, high technology, and homebuilding. Prior to founding Ignite Web Marketing Services, Inc. in 2001, she served as Internet Marketing Director for Wave Rock Communications and the Search Marketing Assistant for KVO Public Relations. She was also a co-founding member of SEMpdx, a Portland, Oregon Search Marketing organization.

Christopher Van Buren MARKETING DIRECTOR

Christopher has worked in publishing and information marketing since 1984 as a writer, publisher, and literary agent. He has written numerous books on technology, travel and self-help markets while spending eight years as an agent. His work is featured in numerous magazines in the United States and Brazil. In 2007 he became the Director of Business Development for a digital ad network, then went on to serve as Technology Director for a boutique ad agency specializing in Performance Marketing for natural health and beauty companies. His creative advertising strategies have included online coupon networks, micro-industry virtual events and distributed content channels and e-books.

Frank Thomas SYSTEM INTEGRATION DIRECTOR

Frank Thomas is an 20 year systems integrator. A Novell® Certified Engineer (CNE) and Microsoft® Certified Solutions Expert (MCSE), he developed server systems to support over 2,000 agents in two major cities with Telus Mobility® and developed server architectures for dozens of clients. As Technology Manager for Radiology Consultants Associated, he helped 12 clinics migrate from file and film to full digital imaging and patient management. He has experience in full software development, building web automation apps, and the use and integration of numerous web technologies. He holds a full certification with The Software Guild (Web Developer.Net). He brings diverse experience in developing Windows desktop applications and ASP.net web applications (SAAS® apps) to Unify Earth®.

ADVISORS

Joel Hundley PARTNERSHIP DIRECTOR

Joel Hundley has over 20 years of innovative partnering experience in creative and entrepreneurial communities. Joel has experience as a cross-border agent, consultant, investor and business partner in early to growth stage companies in the technology, gaming, animation, film, IoT, VR, MR, and AI spaces. His leadership and out-of-the-box thinking has paved the way for him to partner with many technology pioneers from the United States, Europe, Africa, India, China, and most recently, the Middle East. The leader of The Founder's Way[®] he translates his passion for advancing innovators and entrepreneurs into global strategic networks.

David C. Traub, Ed.M EXECUTIVE PRODUCER, GLOBAL BUSINESS DEVELOPMENT ADVISOR

David has 30+ years of experience as an award-winning executive producer of feature films, digital media products and games; social impact philanthropist/social impact producer; as a venture catalyst/investor, global business and economic development executive; philanthropist/social impact activist and as an investor and/or board member/advisor to over 35 startup, early stage, institutional, multi-national and government entities. Current non-profit activities include Advisory Board support for UNGSII and GCH Foundation (acceleration of UN's 17 SDGs, the global deployment of the SDG Network and SDG Labs (now serving 2M+ kids/day across 70 countries). On the commercial side David has facilitated more than 40 startups across the years, and is currently supporting companies across the domains of blockchain, cryptocurrency, cybersecurity, AR and media and EVs, and just enjoyed his first successful "Top Ten" ICO. Founding activities include AI-based evaluation tools and SDG-centric Venture Fund. David has his Masters in Education from Harvard's School of Education with parallel classwork at MIT's Media Lab, and undergraduate degrees with honors from UC Berkeley.

John Brownlee INTELLECTUAL PROPERTY AND PATENT ATTORNEY, SCIENTIST, INVENTOR

Mr. Brownlee has served for 19 years as founder and President of J. Brownlee & Associates Inc. a leading firm in intellectual property and technology development. His early career saw him develop a endoscopic laser eye surgery device, act as a research scientist on Mars lander missions and operate many national observatories tracking fast-moving near-earth objects with AI techniques on custom hardware he built. In the past 10 years his firm has acted as the exclusive technical and IP advisor on over \$200M of patent-rich transactions

and licensing programs focused on optics, large-scale computing, and distributed identity systems. As contributor to the early httpd web server (Apache) and Linux operating system, Mr. Brownlee's open-source expertise was sought by IP-rich companies like CMP Media®, Symantec®, Raytheon®, Bridgestone®, American Express® and British Telecom®. In 2001 the International Astronomical Union named minor planet 11652JOHN-BROWNLEE in recognition of his many contributions to scientific computing. Other projects include radio detection of imminent earthquakes, AI and cryptographic functions on cloud-based FPGA's, and celestial navigation on and near Earth. A present focus of his combined legal and technical research is extending blockchain techniques to higher dimensionalities including temporal/geospatial data, field-of-use rights, and the interconnection with existing legal models of property recordation. Mr. Brownlee's patent practice is certified by the National Association of Patent Practitioners, and is admitted to practice before the US Patent and Trademark Office. He was an active participant in the Institute of Navigation (satellite) and has formal education in geophysics, material science, and optical physics. His doctoral research demonstrated methods to use holography to increase performance of solar-electric generation as well as a real-time laparoscope for use in the detection of ovarian carcinoma in-vivo by machine vision without biopsy.

Scott Schechtel CREATIVE CONTENT MANAGEMENT

Scott has extensive experience using premium Wordpress themes and plugins. He has been responsible for the design and development on numerous site launches and rebuilds including all new imagery, site structure, hosting management and SEO management. He has experience on logo design, ecommerce projects, email marketing, database and client management. He also has extensive experience in using Photoshop, and the creation of HTML5 sites using Dreamweaver. Since 2001, his photography and articles appear in numerous outdoor magazines such as Backpacker Magazine and Cascades East. He has also built native mobile apps for the wine industry in Oregon using the Eclipse development software.

Cameron Wick PROJECT MANAGER

Cameron Wick has served in Hood River and Portland as an independent contractor, project manager and IT technician. He worked to develop and launch a number of physical and digital products in partnership with Bo Rinaldi's vision.

Adam Trombly SUSTAINABILITY ADVISOR

Adam Trombly comes to Unify Earth® while remaining Director of Project Earth for the Institute for Advanced Studies at Aspen. He is highly regarded as one of the most influential and unorthodox scientists of his generation. In 1980 Adam and colleague Joseph Kahn designed and applied for patents for the Closed Path Homopolar Generator, a potentially revolutionary design for super-efficient generation of electrical power. In 1982, International Letters of Patent were published by the International Patent Cooperation Treaty Organization. In 1983 Adam began to dedicate his efforts to Project Earth. The late R. Buckminster Fuller is quoted as saying, “Project Earth is a human design experiment. It will be incumbent on human beings throughout the Earth to become a living network, to demonstrate the power of working synergistically with their environment to insure a future worth living in.” Adam was awarded the RJ Reynolds III Endowment for his efforts.

Kevin Lay TELECOMMUNICATIONS ADVISOR

Kevin Lay is a mobile and embedded software architect and developer with over 30 years’ experience in internet protocols, telecommunications, and avionics sectors. Kevin designed and implemented an IPv6 mesh network for a fleet of 32 GPS space satellite vehicles for General Dynamics. He has also developed hashing algorithms for digital switches and internet routing hardware and has optimized embedded SHA-2 cryptography algorithms for network management servers. He was a principal software engineer for Lucent, Honeywell and GECO. Known for his ability to problem-solve, Kevin’s experience in enterprise and government-level software systems development, testing and deployment is exemplary. A graduate of Illinois Institute of Technology, he is currently developing mobile apps using augmented reality and pursuing the latest in quantum computing research and testing.

Burt Lo PROGRAMMING ENGINEER

Burt is a hands-on, seasoned technology veteran with over 30 years of active experience in programming, development, and systems design. Having produced solutions for a number of the most recognizable members of the Fortune 500, Mr. Lo’s expertise ranges across the software world. From custom Content Management Systems (CMS), Customer Relations Systems (CRS), and Content Delivery Systems (CDS), to enterprise optimization of mission-critical Microsoft® Dynamix, Microsoft® Sharepoint, and Drupal Platforms, he has delivered impeccable solutions to clients in nearly every major industry. Mr. Lo commands a deep understanding of the specialized technology needs intrinsic to the retail, manufacturing, marketing, publishing, sports, biotech, insurance, health care, medical billing, real estate and pharmaceutical industries— to name few.



Andrew Beinbrink UNIFY EARTH AMBASSADOR, SERIAL ENTREPRENEUR

Andrew has a diverse background ranging from being a former professional baseball player (Texas Rangers / Tampa Rays), to now the founder and CEO of a nation-wide college sports recruiting firm (SportsForce). Andrew also founded a non-profit whose vision is to transform the homeless epidemic world-wide. With 15+ years of battle tested entrepreneurship Andrew's strengths are creating innovative models for change, inspiring people to take massive action, and proven leadership skills, and an ability to execute a vision.

"What excites me most about the Unify Earth vision is there is a paradigm shift that is happening now with blockchain technology, political instability, and financial markets. We have an opportunity to be a catalyst of a global movement to change the world forever. Imagine if we can move from competition and greed to more cooperation, access, and abundance."

Personal Mission: "To help positively transforms as many lives as possible, and change the world forever!"

Vision for Future: "To Systematically Transform Global Epidemics related to Human Rights and Civil Liberties."

Rion De'Rouen CULTURAL ADVISOR

Founder of Team Light, Rion has been working as a goodwill ambassador and global change agent since 2009. A Summa Cum Laude graduate of California State University, Los Angeles with a degree in film, he opened his production studio, Anomaly Media, in 2009. He is gifted with the psychic ability to see beyond the constraints of the three-dimensional space we live within and focused with a mission driven mindset. He has traveled the globe touring, activating, gridding and clearing dozens of sacred sites including; Easter Island, Machu Picchu, Chichen Itza, the Pyramids of Giza, Tiwanaku. As a public figure, Rion seeks to assist humanity in activating their dormant DNA and raising the frequency of our reality. He comes to Unify Earth® with media platform of over 100K followers and is devoted to creating a social network and humanitarians projects.

Jason Stiles PERSONAL GROWTH ADVISOR

Jason Stiles spent 12 years as an elite pararescue team leader for the U.S. Air Force. The universe then stepped in and changed his destiny. After a light body activation in 2010, he engaged his multi-dimensional awareness and began to create high level healing and vibrational tools to assist in raising mankind's vibration on the planet. Jason is the Founder of iPyramids, a New Earth tech-based company devoted to promoting personal growth and healing. He and his staff research, develop and create self-help tools that aid in accelerating the hidden potential of every human. His motto is "These things we do for the highest good and ascension of the collective."



Conclusion

At Unify Earth® we are inspired by leaders and movements of the past; those whose legacies, whether entrepreneurial, governmental, military, corporate or organizational, have influenced our daily actions toward the aspirational ideals of a self-fulfilled, peaceful and compassionate present (and future) for all of humanity. We believe that the core message we bring is already established in the persona of every person on planet Earth. We believe that we have architected a global system that further establishes and creates a lasting impact on the world's largest, most secure and adaptable blockchain, Unify Earth® Network. With future-proof engineering, optimization for seamless systems integration and the creation of exchanges, unwavering humanitarian values and by always growing, learning and giving back to the global community, **Unify Earth® is architected for the future of all transactions, commerce and social impact to help unify and include all the world's citizens in this global village we call Planet Earth.**

