

VERSION 1.3



SIGWO
TECHNOLOGIES

Encrypt. Protect. Store.



Featuring

JUPITER

For all your blockchain needs

sigwo.com

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Blockchain

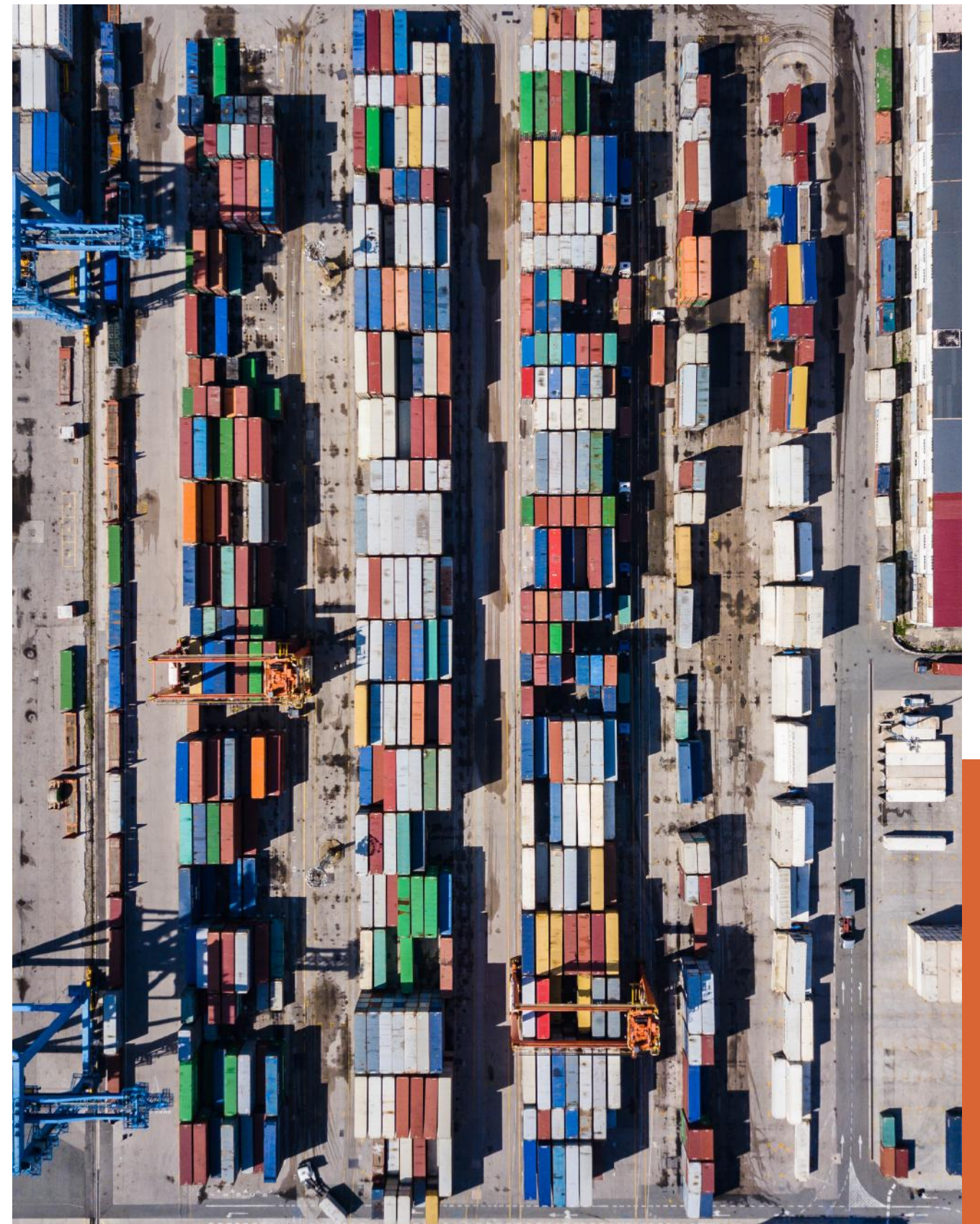
is cutting edge technology that has the ability to solve many fundamental problems in society.

At Sigwo Technologies, we strive to make this technology accessible to everyone and that is why we created *Gravity*, a versatile framework that interfaces with our blockchain, *Jupiter*.

Gravity allows us to build distributed applications (DAPPS) that solve issues involving trust, provenance, privacy, security and accountability, for businesses and consumers alike.

With *Gravity*, legacy applications can be upgraded to a blockchain-enabled web application with the capability of storing data in an encrypted, immutable and replicated fashion.

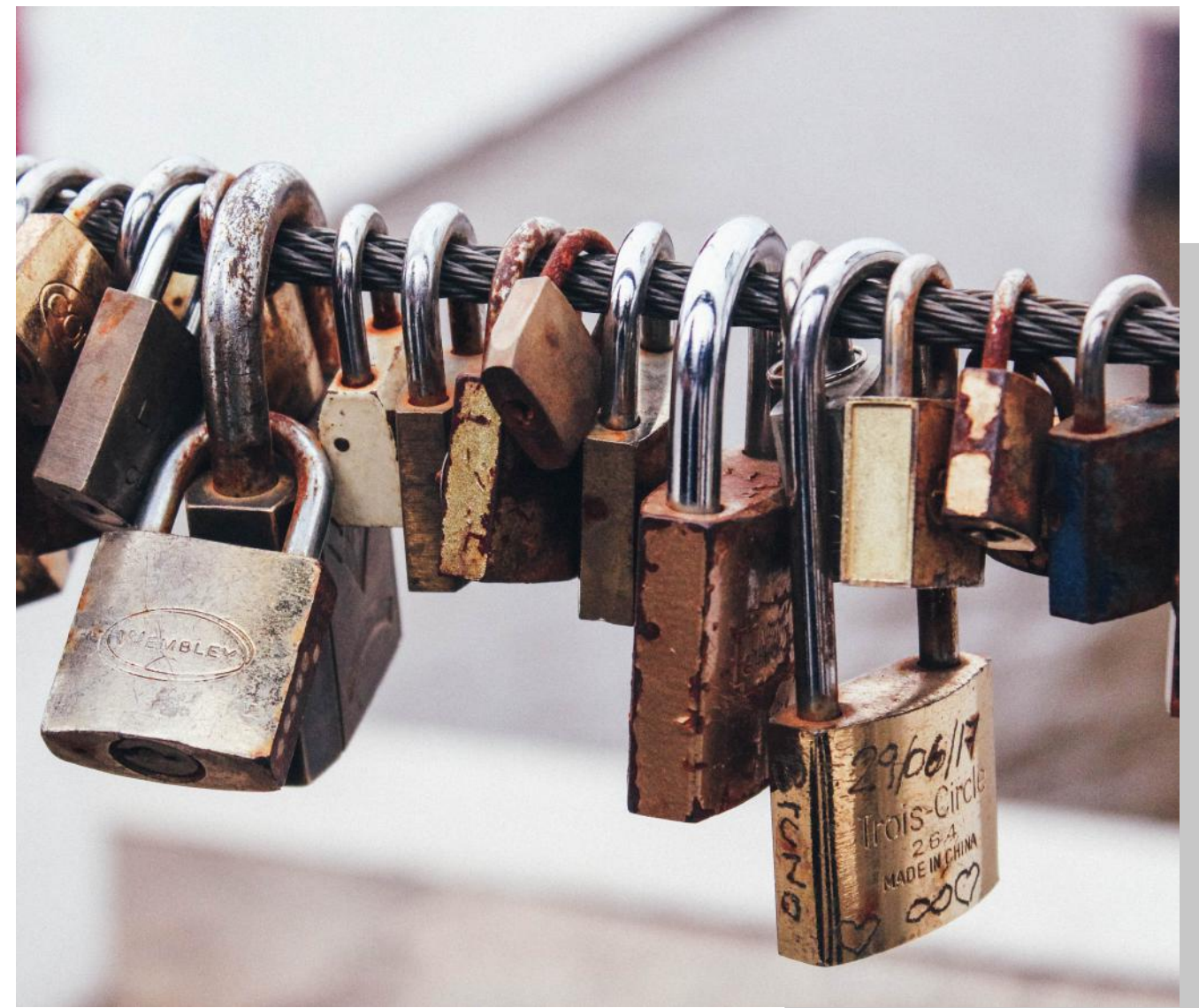
Our applications can be internal or external facing based on the clients and regulatory requirements.



JUPITER

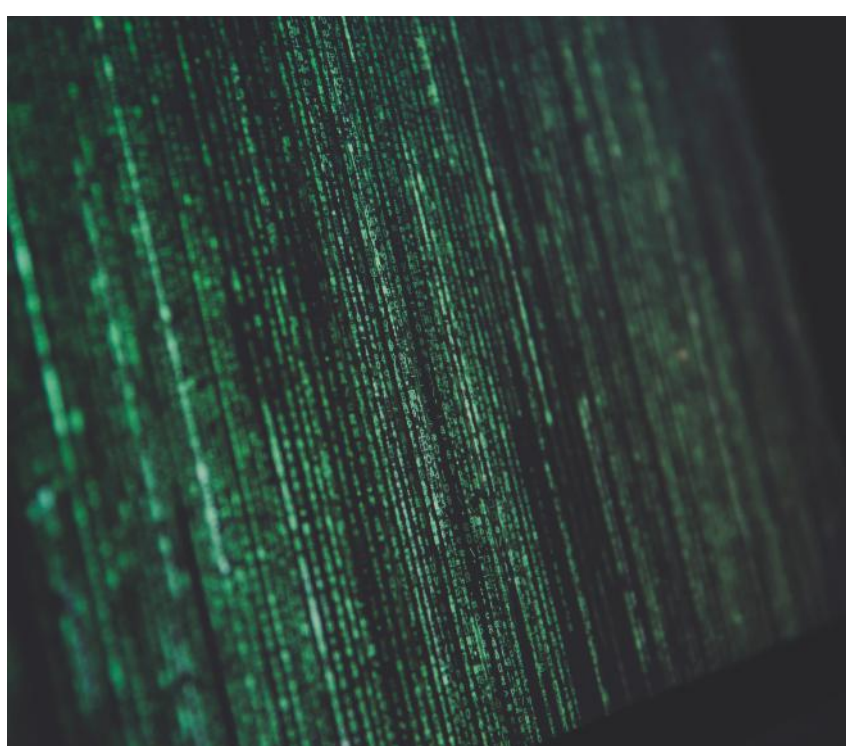
The open-source *Jupiter* software is the core of our operations. It powers our public blockchain, allowing anyone to participate.

Jupiter can also be deployed in a private network based on the clients' requirements for their approved users only.

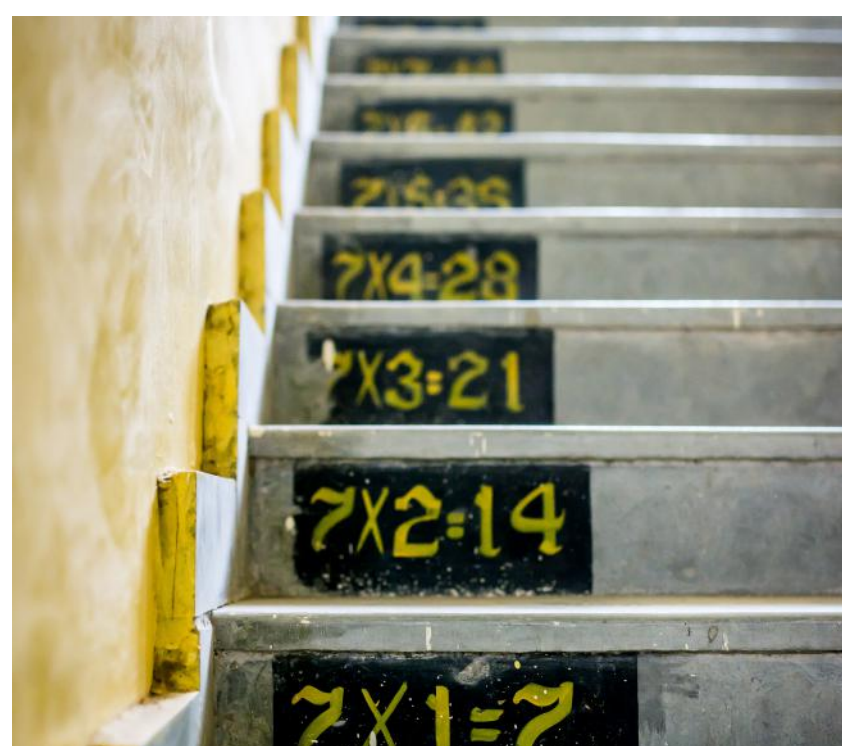


JUPITER

Key Features..



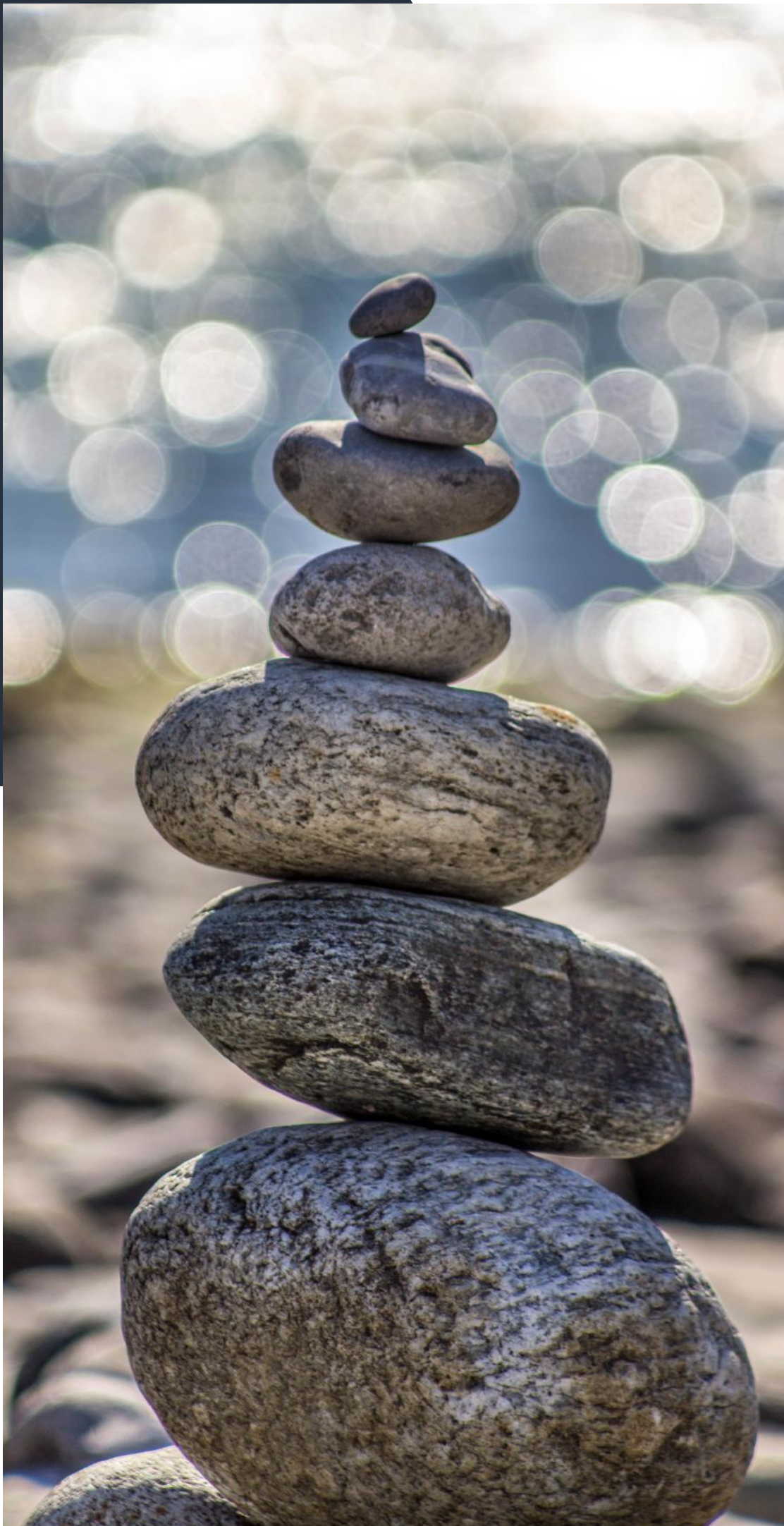
Data is always encrypted locally at the level of the application using military-grade encryption, then it is sent to processing nodes via SSL and encrypted using *Jupiter's* built-in protocol encryption before being stored.



Automatic data replication across nodes. *Jupiter* fully and automatically replicates data to any conforming node on the *Jupiter* network. A private blockchain is an alternative to store sensitive information whereby company policy or laws make it impossible to store them on the public chain.



Data is immutable, nodes are easily replaced. Every node in a public decentralized system or private blockchain has a consensus correct copy of the blockchain database. Data quality is maintained and agreed upon by consensus algorithms and stored in a computationally trusted decentralized database which allows full verification.



Accountability for information uploaded. Each transaction is created by an account on the blockchain. Every update or change to the information recorded is tracked and accounted for, tying the changes to an account. Each account is unique and mathematically trusted.

Our blockchain includes an ID system for associating users to accounts so that making changes or updates are provable by digital signatures. By using this feature we can build identify systems associated with voting, property ownership, utility billing and services enrollment. It also allows us to assign administrative rights for a particular Distributed Application (DAPP).

Voting. *Jupiter* has a built-in voting protocol. The voting template is thoroughly tested and hard-coded into the software which eliminates the need for potentially vulnerable smart contracts.

This template can be customized into voting and opinion gathering applications based on the clients' requirements. Voting and collaborative decision making via the blockchain just makes perfect sense.

Assets are digitally created on *Jupiter* and can be tracked in multiples (many of the same, non-unique assets) or in singleton non-fungible assets, meaning each asset is unique in some way. Serial numbers, lot numbers, or other proprietary identifying technique are traceable on *Jupiter*.

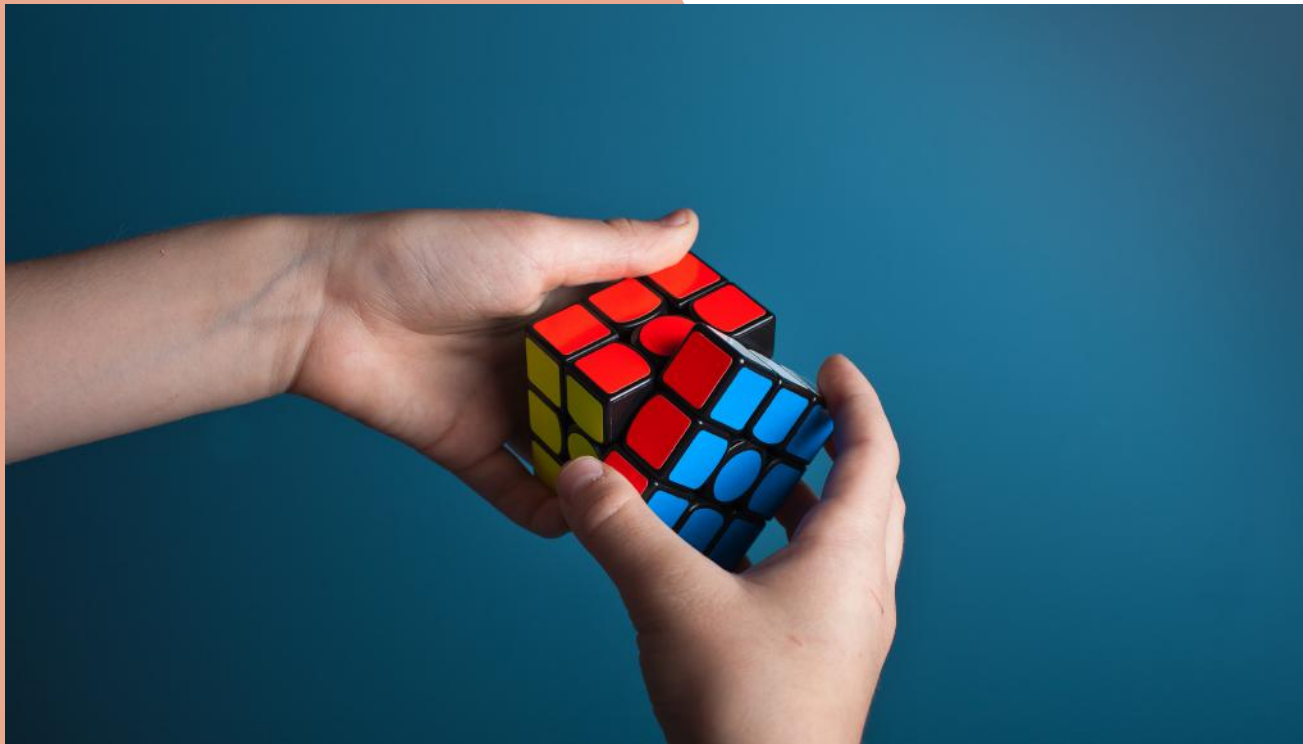
Once distributed to an account it is wholly owned by that said account until its owner sends it to another account. Simply create the type of asset, give it a name, and start digitizing your supply chain.

Examples of Assets :

A stable coin representing real world collateral (i.e. money , gold, etc) which is backing the asset.

An asset presenting a virtual collectable that is unique and can be traded with other accounts.

Smart-transactions



Smart-transactions allow the creation of a verifiable workflow and approval model using already available templates. When a task that requires approval is created, verified signers or approvers are assigned and notified of the task. This allows for group consensus over the task and the digital certainty of the signer.

Why are they better



- Smaller footprint in the blockchain as only values are stored. In comparison with Smart Contracts, the computations are stored as well causing significant bloat.
- Much safer and flexible as the variables can be changed as needed without any alteration to the base functionality. This will prevent previous transactions to be invalidated if changes are needed. Smart contracts, on the other hand, run this risk.



Example: A Reimbursements Approval

Alice takes Bob to lunch. Alice pays with her company credit card. Alice uses a custom *Gravity* DAPP to submit her receipt to the company approval chain to verify the transaction as a valid use of the company credit card. The smart transaction is created by Alice and she selects her supervisor. The finance reviewer is the default participant, so any new approval for credit card use is automatically sent to the finance department for review and approval. Once all approvers 'sign' the transaction, releases funds, and it is valid and is forever auditable by the company.

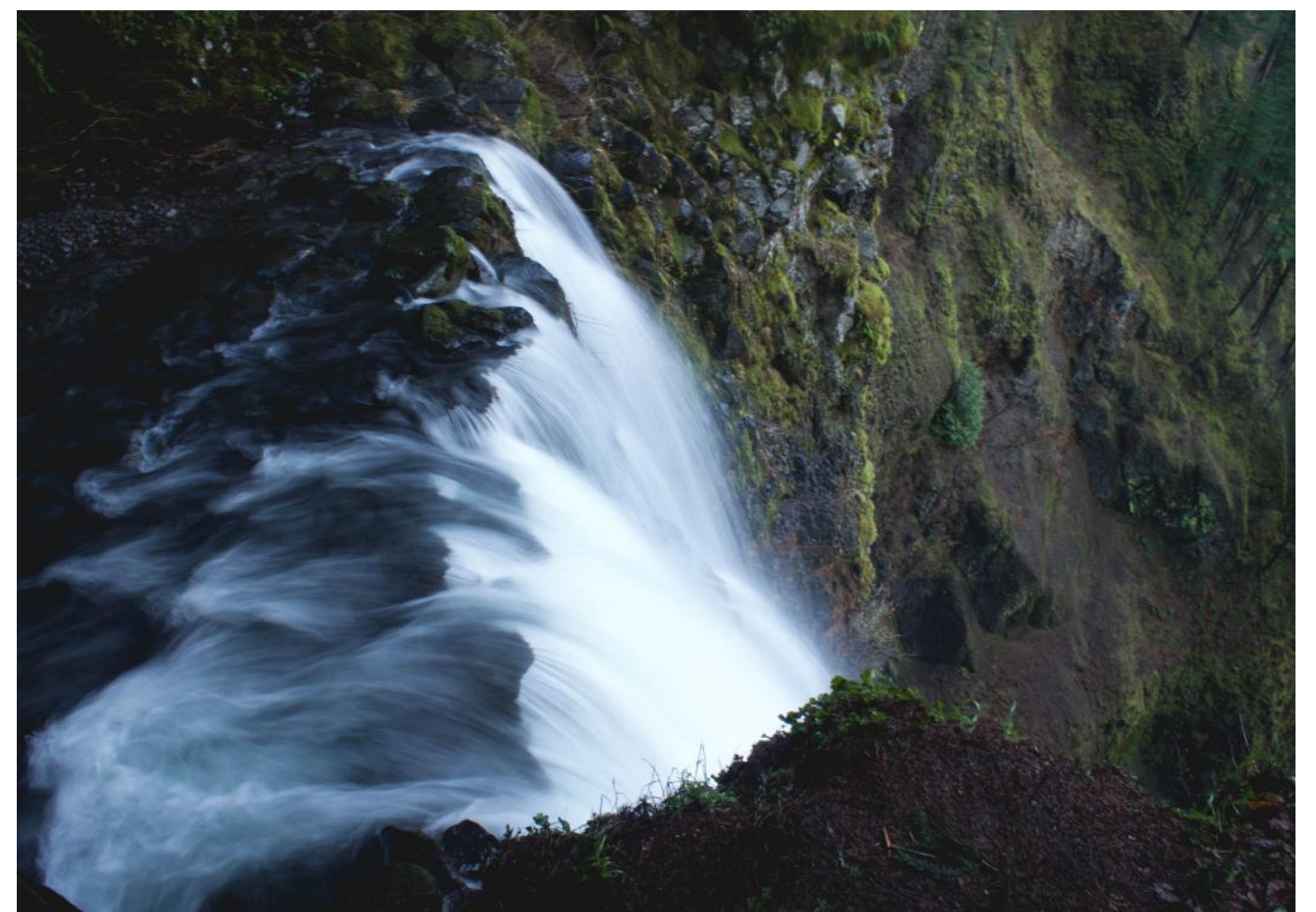
GRAVITY

Gravity is the framework that allows us to build custom DAPPs on *Jupiter's* blockchain. It was coded from scratch in React.js using AirBNB standards to ensure developers can easily understand the structure and start coding their custom distributed application. These applications can be attached to any *Jupiter* node on the network with replication of data stored.



Gravity has built-in AES encryption standard, account creation with tiered privileges and two-factor authentication (2FA) features. *Jupiter* tokens are needed for DAPPs to function as they are spent when each data entry is processed. Our clients are given *Jupiter* tokens to power their DAPPs for 1 year. We also offer a support package that ensures their DAPPs users will always have enough *Jupiter* tokens. This is in addition to technical support, updates and upgrades that we release to *Gravity*.

By using the *Jupiter* account system, DAPPs will allow administration tools and tiered features for the subscribers and users of the DAPP. Users of the DAPP will not need to interact with *Jupiter* tokens when using our DAPPs as the administration team tracks and allows for user account interaction. DAPP creators also have the unique ability to charge a subscription for fee-based access or simply create a free ecosystem and monetize the DAPP in other ways.



METIS

Metis is our flagship application built on *Gravity* and curated by Sigwo Technologies. *Metis* is a decentralized chat application. Think Telegram, but 100% private, decentralized, and fully encrypted GROUP messaging. *Metis* is not optionally encrypted. Every message is encrypted and can ONLY be read by the group participants.

The participants are invited by the group's creator. The creator can also remove participants when and if needed. *Jupiter* tokens are utilized to send and store *Metis* messages. *Metis* can be white-labeled with customizations and localization that you need for your organization. It is ideal for use in the military, government agencies, corporate. Try the *Metis* public beta today at

<https://metis.sigwo.tech>.



CALLISTO



Callisto is our voting template created with *Jupiter's* built-in voting protocol. We can build custom voting solutions for elections no matter the scale from general elections to stockholder meetings with any specified privacy requirements. Votes recorded on the blockchain are immutable and verifiable without any risk of tampering. Opinion polls and distributed governance solutions can also be deployed on our solution to increase the level of trust. View our demo voting application at

<https://demo-vote.sigwo.tech>.

We can help !

Metis and *Callisto* showcase the flexibility of the *Gravity* framework. We are ready to help with issues regarding trust, accountability and security faced by your organization. This would drastically reduce red tape, turn around times and cost, thereby increasing overall operational efficiency. **Talk to us to find out how we can build applications to help with your business.**

Project Enhash



We will be adding functionality to *Jupiter's* blockchain as we begin to fill more needs. One exciting function will be Project Enhash. Enhash is the codename for our 2nd layer protocol initiative. There are certain capabilities we want to harness on the blockchain without bloating the entire network. Storage and sharing files of a size larger than 1 MB on the *Jupiter* node infrastructure is currently not feasible as every single node will require a copy of the chain with the data included. This would reduce the number of node operators as a majority will unlikely be able to provide the required infrastructure and consequently affect decentralization.

The solution to this is the addition of storage 'Supernodes' using *Enhash's* additional protocol. Files uploaded would be encrypted and then stored in these supernodes while their hashes and URL will be recorded on the *Jupiter* blockchain. The files can only be decrypted by the uploader and parties with permission. Technical and coin collateral requirements will be announced at a later stage.



Steven Grove MO, USA

President, Founder, Developer

Steven is a diversified IT professional with 20+ years of highly technical experience and problem solving skills, and 5 years in blockchain technology. He has also served for over 19 years in the United States Army. He holds CISSP and ITILv3 certifications.

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David Mah Adelaide, Australia

Co-Founder, Business Development, Concepts

David specialises in conceptualising and implementing ideas on the blockchain. In 2016, he founded Wagerr, the first fully decentralised sports-betting blockchain. He is also a medical practitioner by profession and is exploring the role of blockchain technology in the medical field.

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Rafael Aguirre

Developer

Rafael is a full stack developer with expertise in PHP, Python, Ruby on Rails, React & Node.js. He has worked for various blockchain startups and plays a key role in providing value to Sigwo Technologies' clients.



Kyle Hensman

Developer

Kyle is a front-end developer with experience in HTML, CSS, JavaScript, PHP, React & Node.js. With a background in Linux server administration and a passion for UX/UI design, he continuously strives to provide simple solutions for complex applications.

OUR CLIENTS, PARTNERS AND EXCHANGES



When using Sigwo Technologies as a design or development consultant, DAPP creators will have the ability to purchase their Jupiter tokens directly from us. Sigwo Technologies will use the subscription revenue and purchase 70% of the needed tokens from the open marketplace.
