

EMPOWER HUMAN POTENTIAL

We are not dreaming of a better Internet.
We are building it.

A glowing blue globe with a network of lines representing the internet. The globe is shown from a perspective that curves away into the distance, with a network of bright blue lines crisscrossing its surface and extending into the dark space around it. The lines are of varying thickness and brightness, creating a sense of depth and connectivity. The overall color palette is dominated by deep blues and bright cyan highlights.

THREEFOLD

The InterNOT

**We Don't Need
Another
Painkiller**

**"More than half of the world
doesn't have its own Internet."**

**Cybersecurity threats are
unstoppable, with current
solutions acting as painkillers.**

**Unsustainable costs & energy
usage with classic Tier 3 & 4
datacenters. Investment model
broken.**

**Centralized clouds can't
deliver on requirements
needed for edge use cases.**

**Centralized cloud infrastructure
is creating economic and
cultural imbalances.**

**Current Cloud platforms are
too complicated, proprietary
and expensive.**

WE BUILD ON A SUCCESSFUL TRACK RECORD

Our team has built some of the world's most advanced Internet and cloud technologies that were later acquired by some of the biggest names in the space for a cumulated **+USD 600 million and +44% IRR** for our investors.

2005



Data reduction and capacity optimization software for disk-based backup.

ACQUIRED BY:

VERITAS

LATER SOLD TO:

Symantec

Market Cap: USD 17 Billion

THE CARLYLE GROUP

Market Cap: USD 8 Billion

2005



Managed dedicated hosting services for complex Internet infrastructures.

ACQUIRED BY:

verizon **terremark**

LATER SOLD TO:

EQUINIX

Market Cap: USD 34 Billion

2008



Belgium's largest hosting company.

ACQUIRED BY:

telenet

Market Cap: USD 8 Billion

2009



Automation of cloud computing deployment, full data center virtualization.

ACQUIRED BY:

Sun
microsystems

LATER SOLD TO:

ORACLE

Market Cap: USD 205 Billion

2015



Object storage software for public and private cloud data centers.

ACQUIRED BY:

H G
S T

SUBSIDIARY OF:

WD **Western Digital**

Market Cap: USD 25 Billion

OUR TEAM HAS SET NUMEROUS WORLD RECORDS



World Records for Web Hosting (1997-2002)

Our team started the internet hosting and datacenter business in Europe. We hosted some of the largest websites in the world including UEFA, Nasa, World Cup.



The FIRST Backup Data Duplication system in the world (2005)

The advances we made in this field brought up to 100x benefit compared to the status quo running in datacenters at the time



One of the FIRST Cloud Systems (2008)

We were one of the pioneers of cloud computing in general. Terms like Virtual Private Datacenter were invented by us.



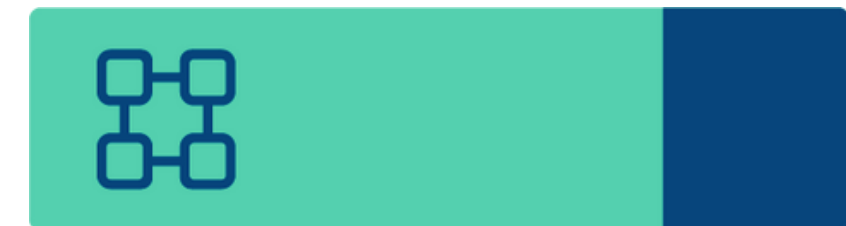
The FIRST multi-site consistent database (2010)

This was a major technological achievement, we invented a method to store data in a database over multiple sites in such a way data could never be lost, corrupted or order of updates changed.



The FIRST unbreakable and distributed storage system (2012)

We delivered a system to store zetabytes of information in such a way not even a quantum computer can hack it, and the data can never be corrupted. This system was 10x more energy efficient compared to any alternative.



Probably the FIRST proof of block stake blockchain (2017)

This blockchain was sustainable and scalable and allowed people to transact their stake as well as their digital currency in same transaction, which still to date is novel.

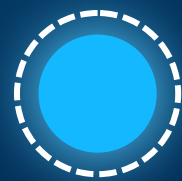
Evolution of The Internet

1960



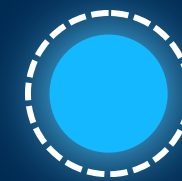
Originally the Internet was a free, trustworthy, and peer-to-peer network where collaboration and open communication flourished, laying the foundation for a decentralized vision which we aim to restore today.

2000



Between 2000 and now, the Internet has lost its authenticity, becoming increasingly insecure and dominated by commercial interests, compromising the original vision of a free and open digital space.

2024



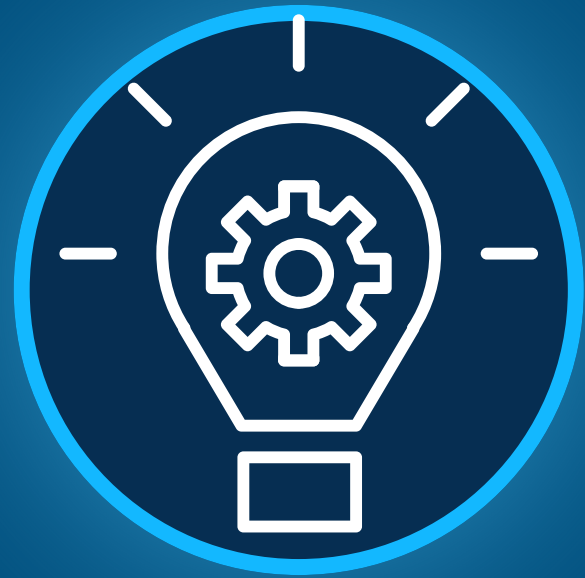
We're pioneering a new, autonomous cloud engine that is ultra-secure, green, scalable, and easy to use, offering a fresh approach to the requirements of a better sovereign Internet.

CYBER SAFETY

ANTIDOTE TO THE
CYBERPANDEMIC

THREEFOLD
EDGE & AI CLOUD





A TRILLION-DOLLAR CLOUD & CYBER SECURITY MARKET

Antidote for CyberPandemic

Trillions of USD are lost each year because of the CyberPandemic. Our solution offers a pro-active different approach to this problem.

AI & Edge Workloads

This Trillion USD market needs a different engine which is more scalable, secure & reliable.

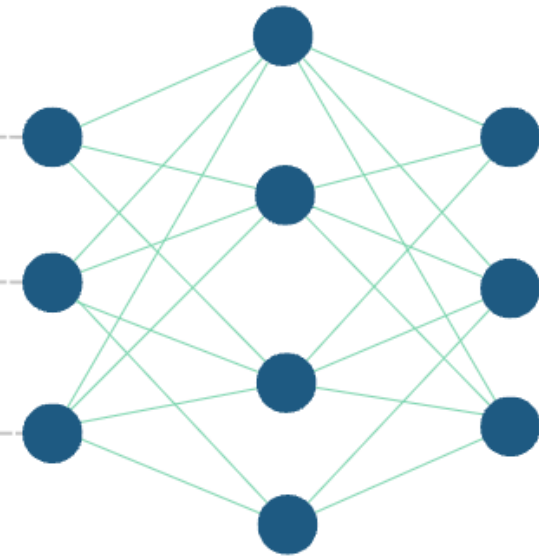
Sovereignty

Countries are looking for solutions which are sovereign and allow them to restore the huge imbalance created over the years.

The **Three** Layers of the Internet



Compute & Storage



Network Connectivity



Applications

(server, blockchain, web, AI, ...)

THREEFOLD CLOUD ENGINE

has the capability to fix the Cloud and Internet in relation to Security, Energy Usage, Inequality, Complexity, Latency, Scalability, Reliability ...

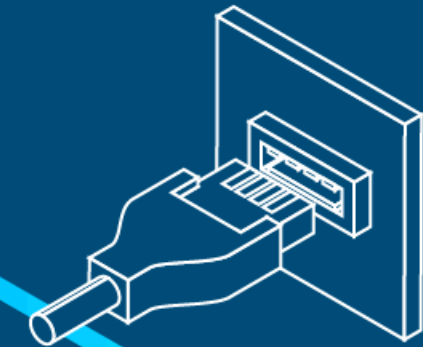
OUR CLOUD NODES ARE PLUG & PLAY

The 3Node, powered by our operating system Zero OS, provides compute, storage and network capacity.



ELECTRICITY

Simply plug the 3Node into an electrical outlet.
No Technical Expertise needed



INTERNET

Connect to the Internet to generate compute, storage and network to the world.



3 INVENTIONS Make It Possible

A new Bare Metal Operating System

supports all required Web2 and Web3 workloads and allows millions of nodes to operate in full autonomous mode providing lower cost, better energy efficiency, more reliability and security

A Quantum Safe Storage System

capable of storing data indestructible, efficient, and ultra-scalable. Previous versions of this system are widely used to store Zetabytes of information by large organizations.

A Quantum Safe Network System

Mycelium can look for the shortest path, has a built-in naming & CDN (Content Delivery) system, can survive disaster and network cuts much more efficiently as is possible today.

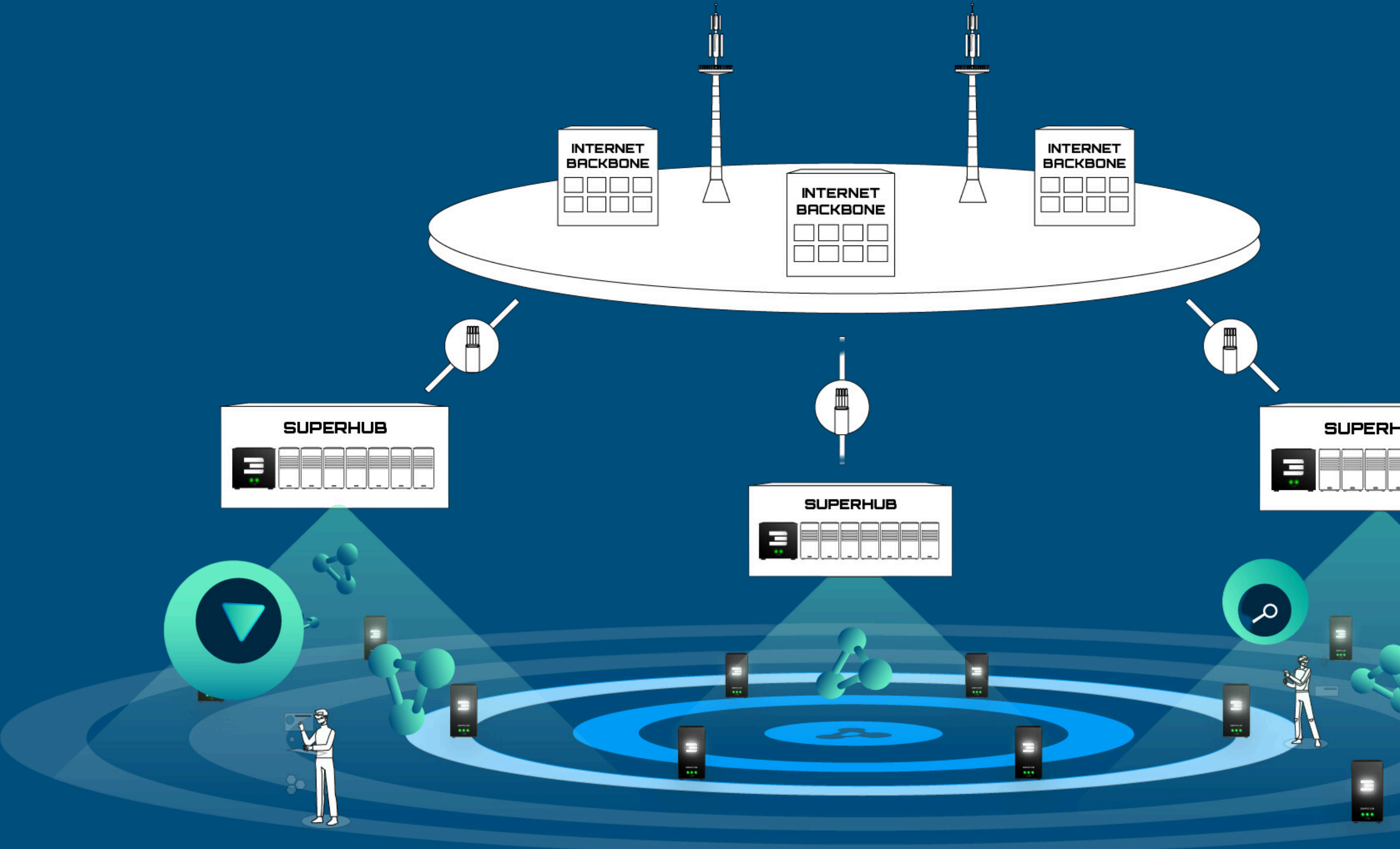
Seamlessly Effective Infrastructure

Telco tower, 4G+/5G Telecom infrastructure

Supernodes placed in strategic locations with high connectivity and bandwidth.

Smaller edge nodes connected at the edge to expand a distributed grid of compute, storage and network capacity.

Our infrastructure can scale to billions of users while saving up-to 70% on cloud and telco opex & up-to 90% on energy



Ideal growth partners include OEM & Telecommunication (Dacenter, 5G, Fiber, Satellite, ...

BASE LAYER FOR ANY EDGE & AI WORKLOAD



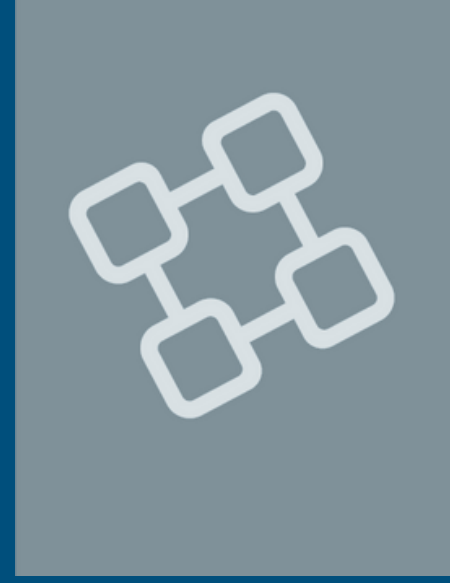
AI

decentralised
Infrastructure
for AI Workloads



WEB 2.0 & 3.0

build and create
distributed apps.



BLOCKCHAIN

true decentralised
infrastructure



METaverse

faster gateway to
the metaverse.



IOT

operate millions of nodes with
more security, scale
and affordability.



Interconnected 3Nodes providing AI & Edge Cloud Capacity

FOR DEVELOPERS & SYSTEM ADMINISTRATORS

Developers

Any AI, Web experience can be created faster, more secure, sovereign and scalable.



AI, Metaverse, Web 2 and Web 3 Layer

System Administrators

Any application which runs on linux can run on the 3Nodes using Zero OS our self healing planetary scalable Operating System.



Interconnected 3Nodes
providing AI & Edge Cloud Capacity

ADOPTION

“BE THE INTERNET”

50M USD



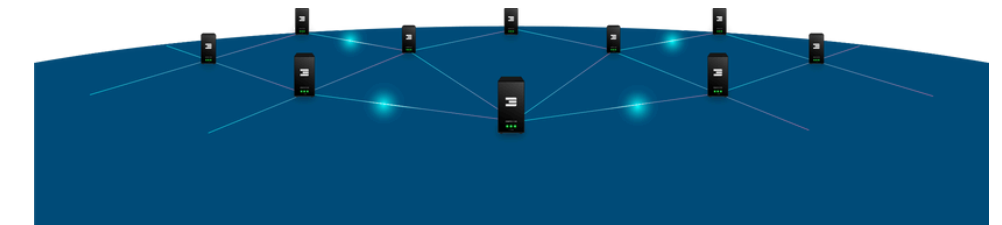
50m USD has been invested by our community and investors.



Community is constantly adding capacity to the decentralized Grid.



Offices, homes and data centers serve as basis for secure Edge & AI Cloud Capacity



60.000 CPU cores & 25.000.000 GB of storage live today.

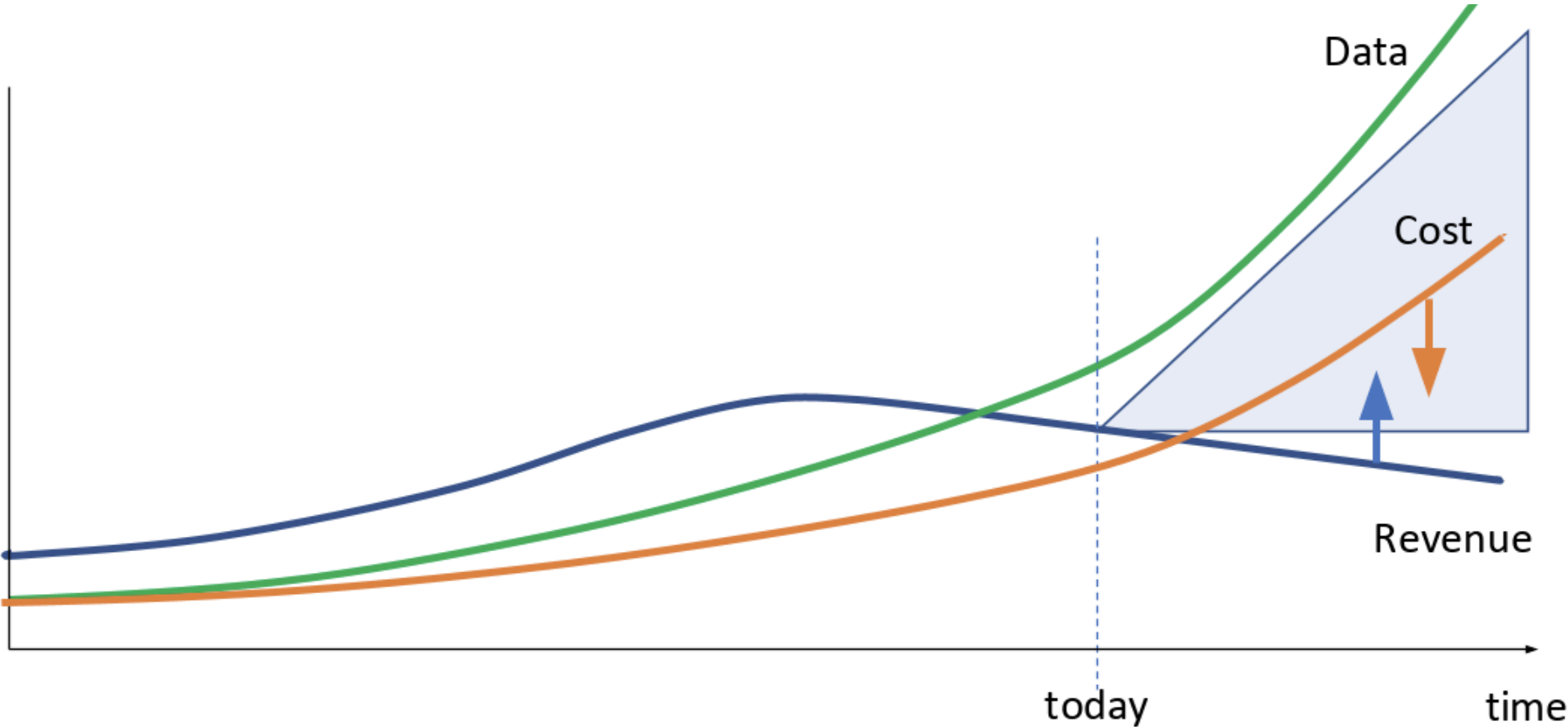


Countries: are planning to deploy our internet solution nation wide.

 <https://dashboard.grid.tf/#/tf-grid/node-statistics/>

TRACTION

THE MARKET IS MOVING towards the edge



data processing is moving to the edge 20% in 2018 to +-80% in 2025.

The need for sovereign, autonomous and energy-efficient infrastructure is growing exponentially to service emerging IT workloads and ESG requirements.

Market size and use cases

- edge computing will grow to an annual spend of \$250B by 2025 ¹⁾
- the edge market will continue to grow by at least 10% per year¹⁾ driven by industry verticals.
- Edge computing reduces latency and improves efficiency – essential to all emerging IT solutions (e.g. 5G, IoT, Gaming, etc.)

e.g. Industry vertical use cases

 climate	→ climate change will cost companies \$1.3T by 2027 ²⁾	impact of edge computing: more efficient demand forecasting, schedule management, route optimization can significantly reduce costs ¹⁾
 supply chain	→ cost increase to buyers by \$120B due to environmental risks by 2025 ³⁾	

¹⁾ McKinsey: Tech Trends Outlook 2022 Edge-Cloud
²⁾ forbes.com ³⁾ CDP: Global Supply Chain Report 2020

WE RESOLVE CENTRALIZATION ISSUES



HACKER SAFE

Centralized data centers allow hackers to easily jeopardize data due to a **single point of attack**. **Global cybersecurity damage crossed USD 6 trillion in 2022.**



SAFE IN CONFLICT

Centralized data centers are susceptible to attacks during conflict. **An entire countries ICT systems can be jeopardized if their data centers are damaged or compromised.**



PLANET SCALABLE

The current infrastructure has limits to how fast and how far it can expand, it's also not self-managing (autonomous) requires human oversight, **Leaving +3 billion people unconnected.**



UNBREAKABLE

Most current IT systems are **too complex and centrally managed** (by people) which leads to unsafe and suboptimal security and reliability.



SUSTAINABLE

Current storage and compute systems are too power hungry. They now **consume a large part of the world's energy**. They are a huge burden on the planet.



100% DATA SOVEREIGNTY

Where a country's data is stored is now critical to its sovereignty. Many nations are now looking for local storage to minimize manipulation by data-hosting countries.

USE CASE 1: THREEFOLD GRID

+60
COUNTRIES

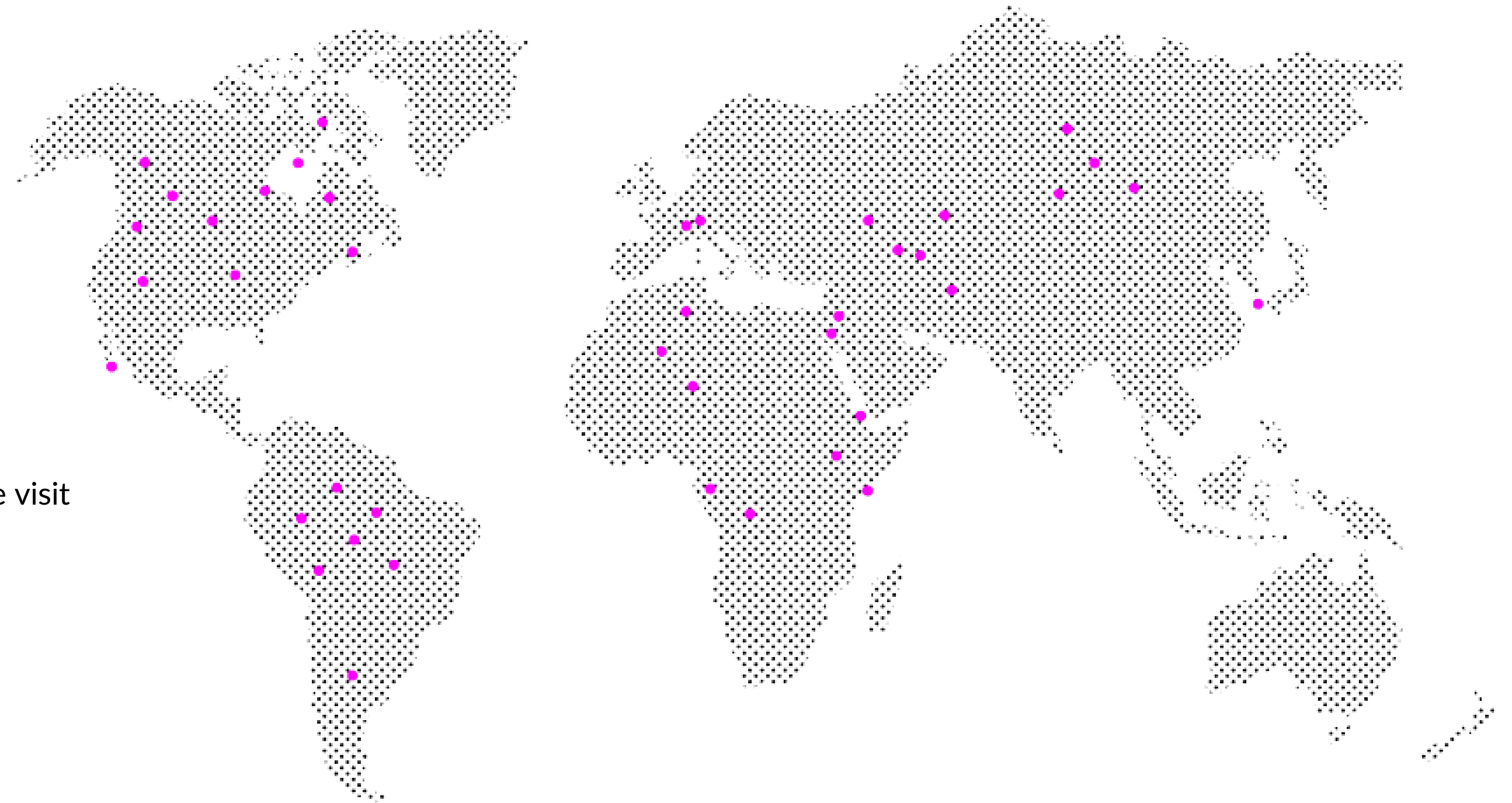
20PB
STORAGE

+2k
FARMERS

60K
CPU CORES



For more information please visit
<https://stats.grid.tf>



USE CASE 1: THREEFOLD GRID

The screenshot displays the ThreeFold Grid dashboard interface. At the top, the navigation bar includes the ThreeFold logo, a currency converter (1 TFT = 0.02 USD), a 'GET TFT' button, the network name 'Mainnet', and a user profile section showing a balance of 8184.981 TFT and a locked amount of 120.552 TFT. A left-hand navigation menu lists 'TFGrid', 'Deploy', 'Farms', 'TFChain', and 'Manual'. The main content area features a 'Live and Operational' world map with glowing nodes. Below the map are four summary cards: Capacity (32.74 PB), Nodes (2569), Countries (61), and Cores (63968). To the right, there are several utility cards for 'Your Profile', 'Deploy Virtual Machines', 'Deploy Applications', 'Deploy Orchestrators', 'Explore Grid Capacity', and 'Explore Grid Nodes'. A large section at the bottom right is titled 'The Layer Zero for a Decentralized World' with a 'Learn About The Grid' button. The footer contains the ThreeFold logo and tagline, a 'Take Action' menu (Buy the Token, Start Farming, Governance), an 'About Us' menu (ThreeFold, Blog, News Room), a 'Contact' menu (Main Chat, Farming Chat, Grid User Chat), a chat icon, a version indicator (2.4.2), and a 'Dashboard Logs (22)' link.

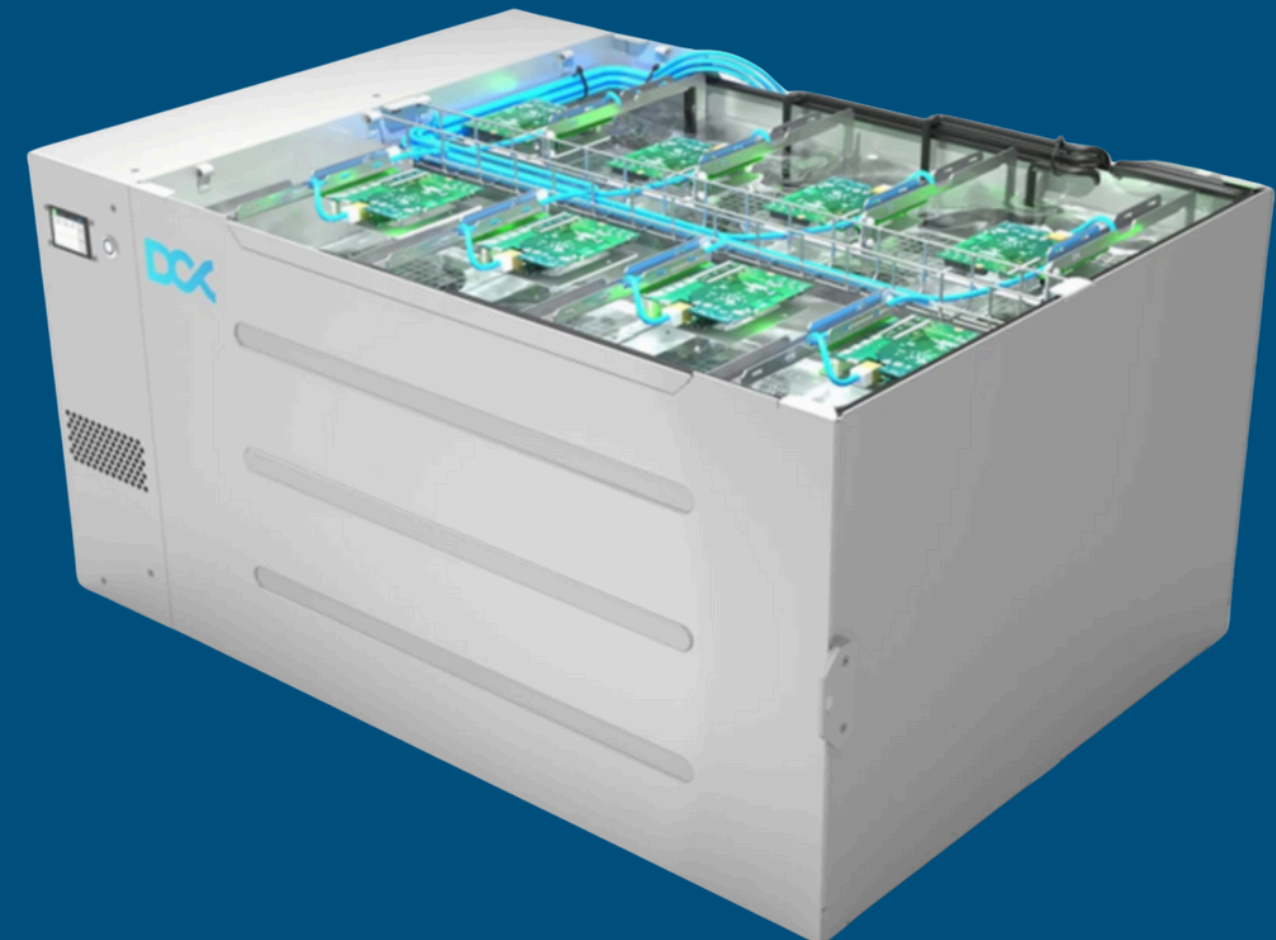
<https://dashboard.grid.tf>

USE CASE 2: TIER-S DATA CENTERS (SUPER HUBS)

Our technology allows us to build data center solutions with significantly better CAPEX & OPEX

BENEFITS

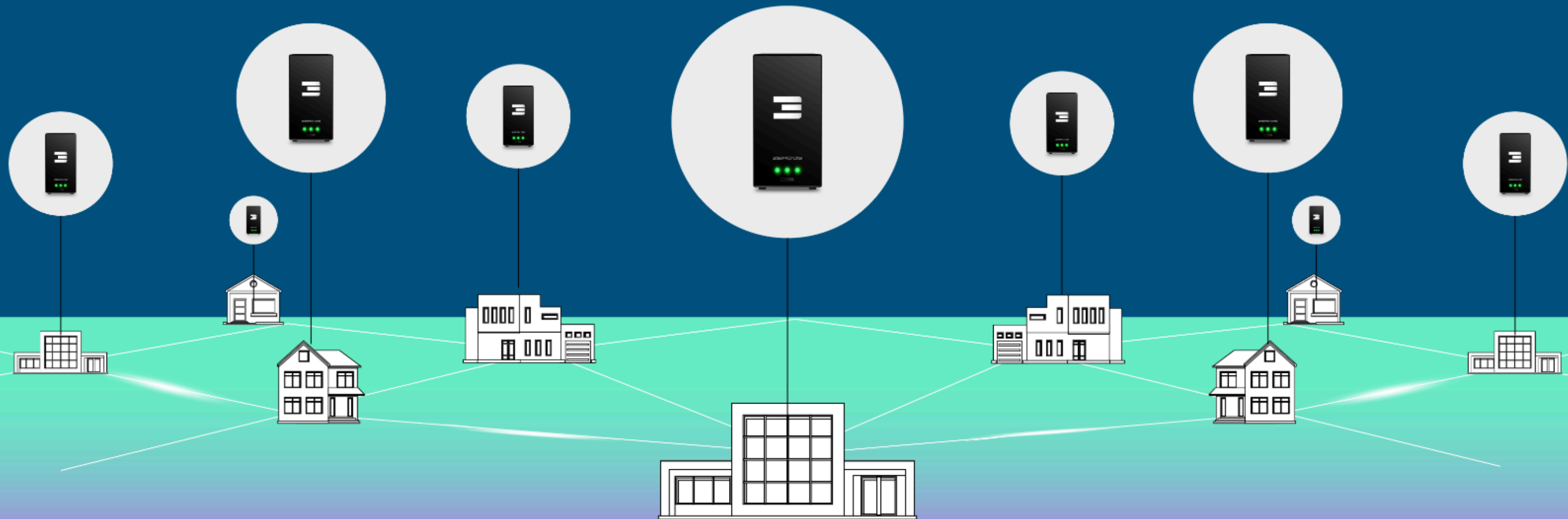
- SECURITY
- SCALE
- SUSTAINABLE
- AUTONOMOUS



USE CASE 3: TRANSFORM YOUR COMMUNITY INTO A DECENTRALIZED DATA CENTER

Each homeowner becomes a generator of Internet Capacity.

NEIGHBORHOOD CLOUD



USE CASE 4:

Deploy Sovereign Cloud in Countries

Expand cloud infra through OEM and Channel partners, e.g. a Government and/or Telco.

BENEFITS

- ECONOMIC GROWTH
- SOVEREIGNTY
- SUSTAINABLE
- NATIONAL SECURITY

PRIME

Sovereign internet: A game changer to Tanzania startups ecosystem growth

Saturday, January 20, 2024



By **Jacob Mosenda**
Education writer/journalist with The Citizen
Mwananchi Communications Limited

IMPACT

"Allowing billions to access a fair and equitable Internet."

"Empowering communities and nations to control their digital futures."

"Building a more connected and resilient global network."





THREEFOLD PROJECT INCA
EXPANSION TO THE PLANET

THREE EXPANSION METHODS



OPEN SOURCE MOVEMENT

“BE THE INTERNET”

Everyone can host a 3Node in any residential and public place and earn income while jointly creating a sovereign AI & Edge cloud. They become Threefold “internet farmers” or can join a Farming pool

INCA TOKEN (DePIN)

TFGrid Generation 4.
Launch with partners.



INFRASTRUCTURE PROJECTS

“FUND THE INTERNET”

Any telco, government, enterprise can deploy autonomous edge clouds or even be integrated in real estate projects. Better alternative to Tier-3 Datacenters.

INSTITUTIONAL & PROJECT FINANCING

Billions of USD is possible.



PUBLIC FUNDRAISE

“OWN THE INTERNET”

Co-Own Decentralized Infrastructure projects structured as Farming Pools. Each Pool has predicted income and support defined use cases & location.

PUBLIC SECURITY TOKEN OFFERING

TBD Funding Amount

INVESTMENT OPPORTUNITIES

DePIN

Decentralized Physical INfrastructure



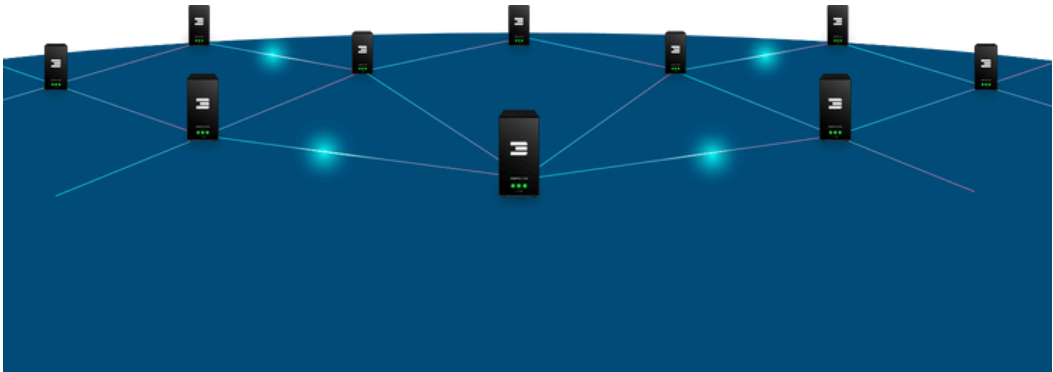
DIGITAL CURRENCY TOKEN

Our open source decentralized effort expanding to millions of nodes. DePIN flywheel as basis for expansion capability. expanded by independent people and organizations. Gen 4 Token to be designed for maximum impact.

**INCA TOKEN
LAUNCH Q4 2024**

STO

Security Token



PUBLIC TOKEN OFFERING

Let's together invest and build our own Cloud & Internet. Together with Telecom Operators, Channel Partners, Governments, this allows us to deliver green scalable, automated and safe decentralized AI & edge clouds.

**PROJECT FINANCING
+ FARMING POOLS Q1 2025**

IP

Intellectual Property



SHARES IN TECH COMPANY

TODO...

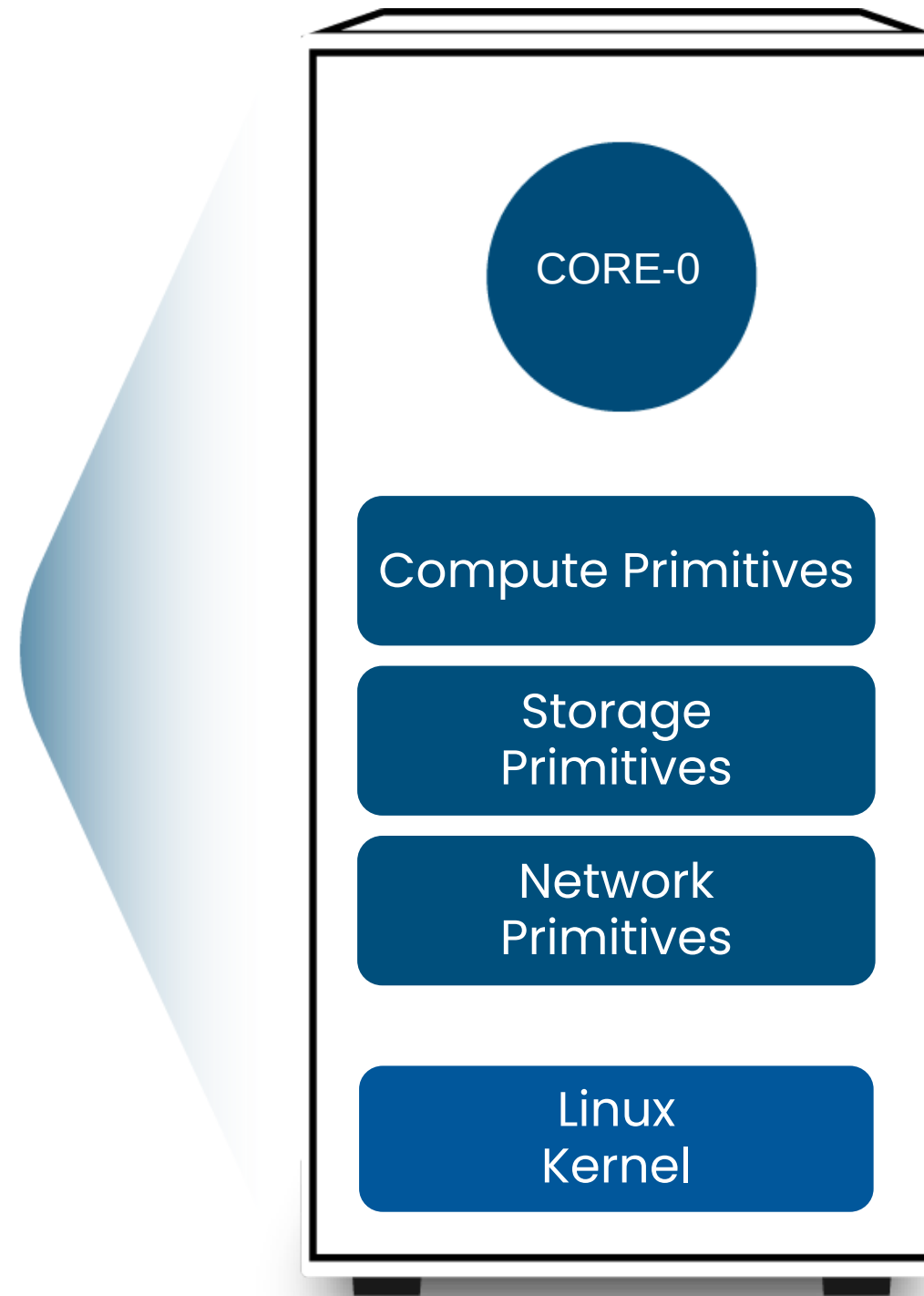
Investors get return, OurWorld gets funding for next decade.

**"SAFE" INVESTMENT INSTRUMENT
IN OURWORLD HOLDING**



TECHNOLOGY

ZERO OS A LIGHTWEIGHT REDESIGNED STATELESS AND SECURE OPERATING SYSTEM.



CORE-0

First process launched on the Zero-OS. This process kicks off all activities on the node and allows the full OS to be booted over the network maintaining full integrity and hacking surfaces.

Hardware Support

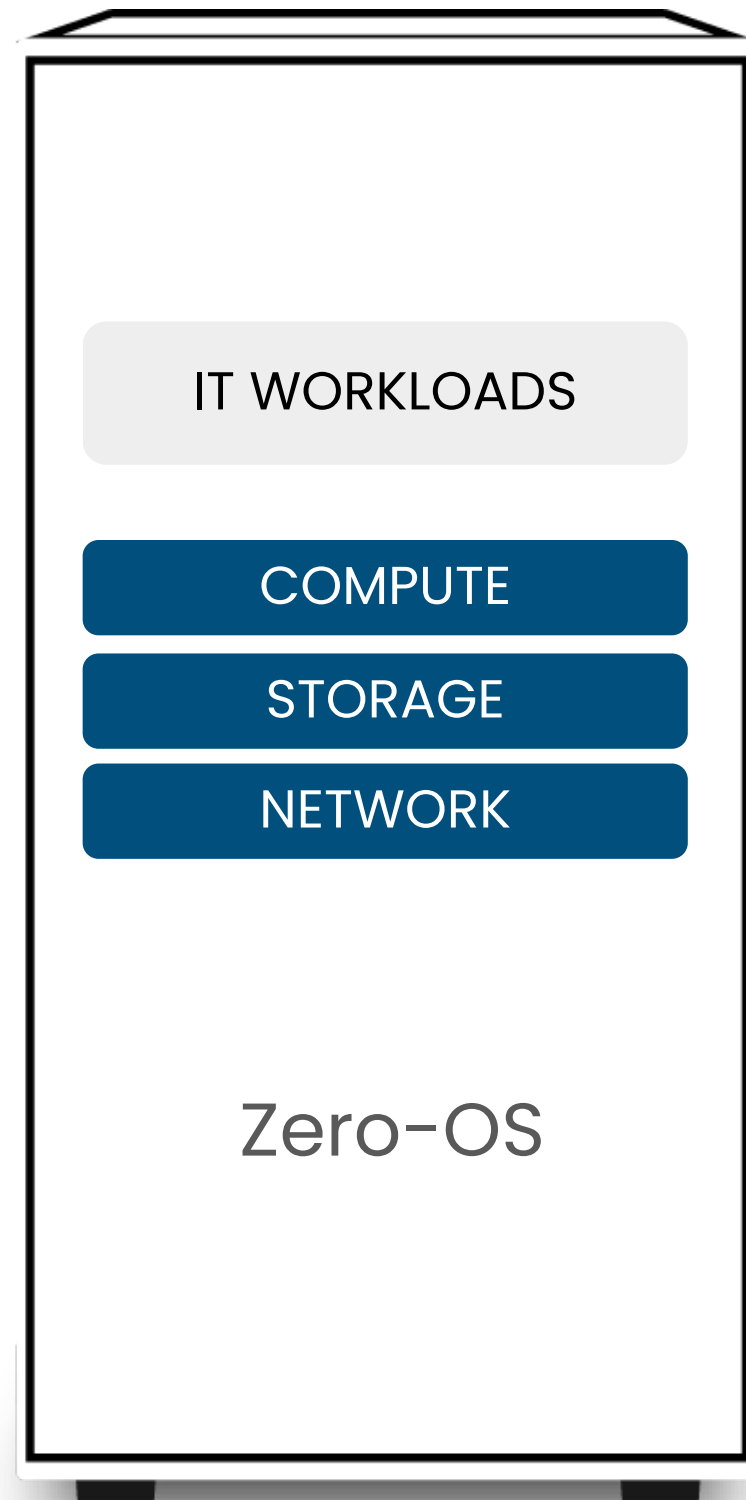
Support for INTEL, AMD or ARM based CPUs. Support any amount of GPU/CPU/Memory

Kernel

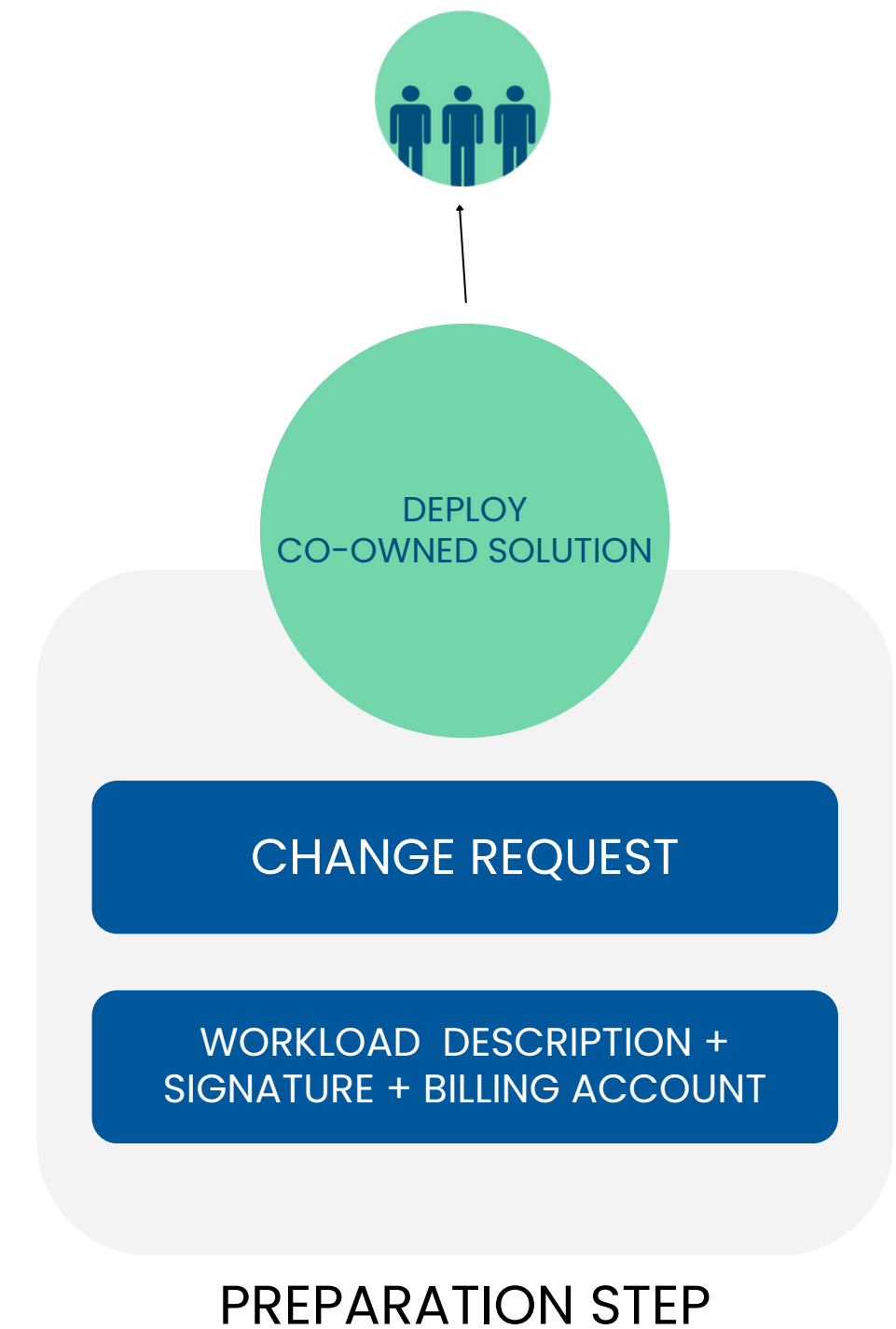
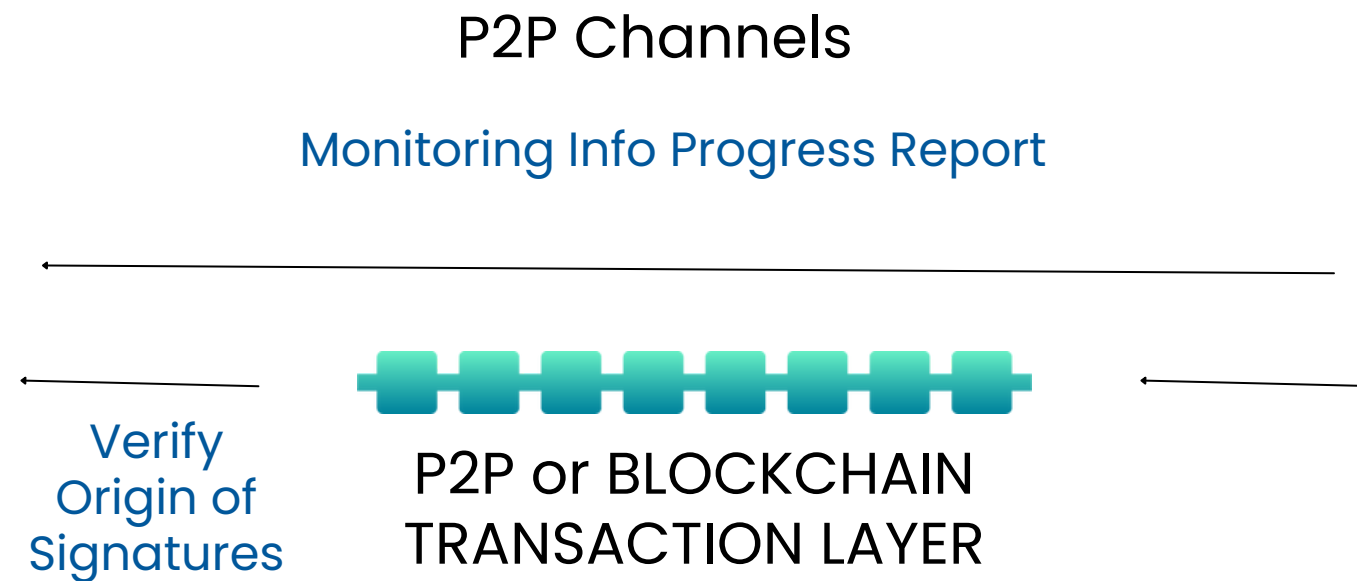
Zero-OS uses the well known Linux kernel because it has device drivers for almost any hardware that exists.

DEPLOYMENT BY IT CONTRACT

Secure Reproducible Verified Authenticated

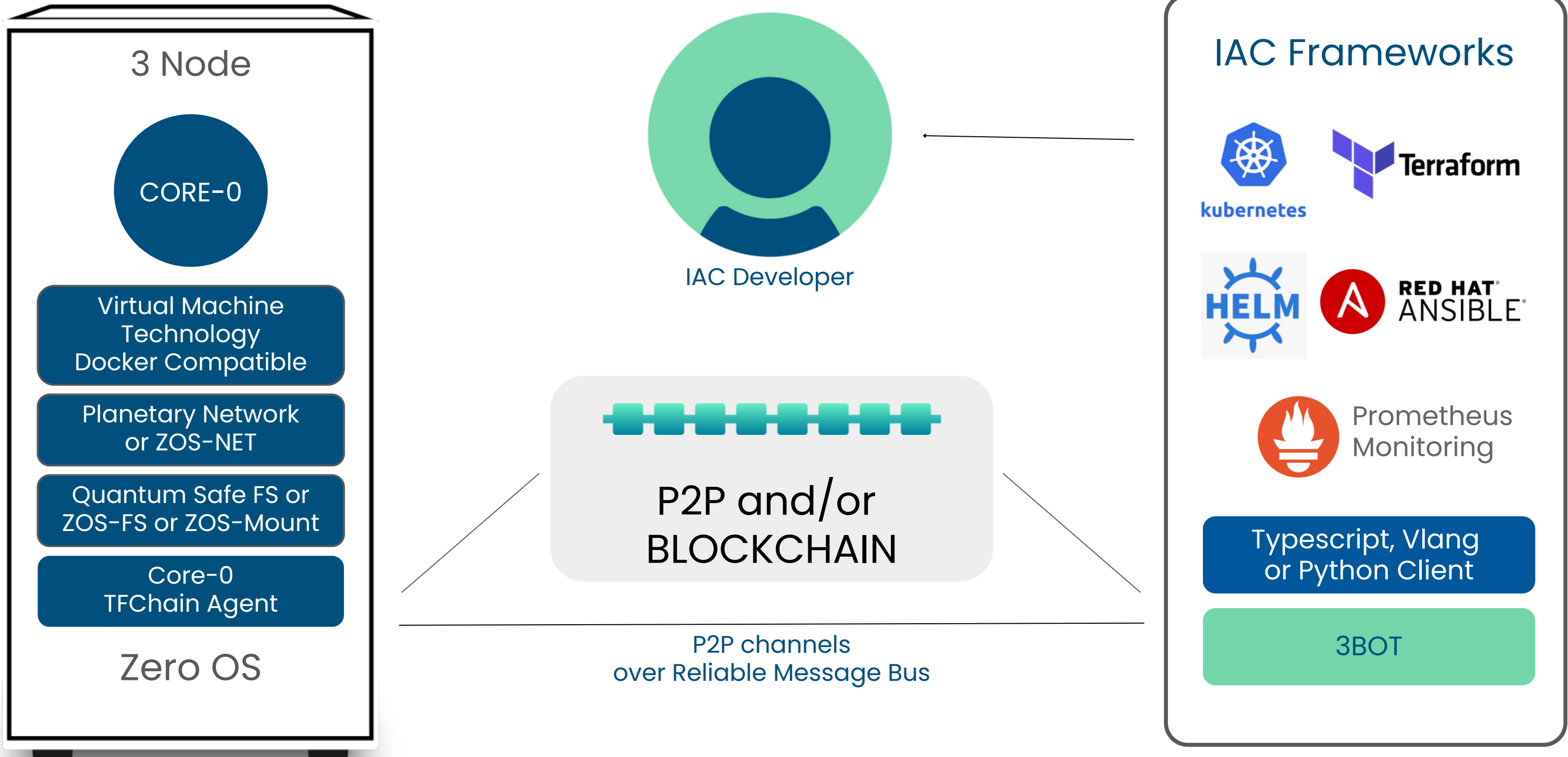


Human/Machine Consensus
SMART CONTRACT LAYER



Compatible with the World

IAC (Infrastructure Code)



QUANTUM SAFE STORAGE

PLUGS INTO ANY INTERFACE

S3, Filesystems, IPFS, ...

ULTRA SECURE

NOT even Quantum Computers can hack into your data. Data can never be lost nor corrupted.

PEER-2-PEER

No centralized services in the middle.
Be in Control where your data is.

ALWAYS CONSISTENT

Storage algorithms cut up files into pieces dispersed over multiple nodes/sites. Only 16/20 are the pieces is needed to recover

SELF HEALING

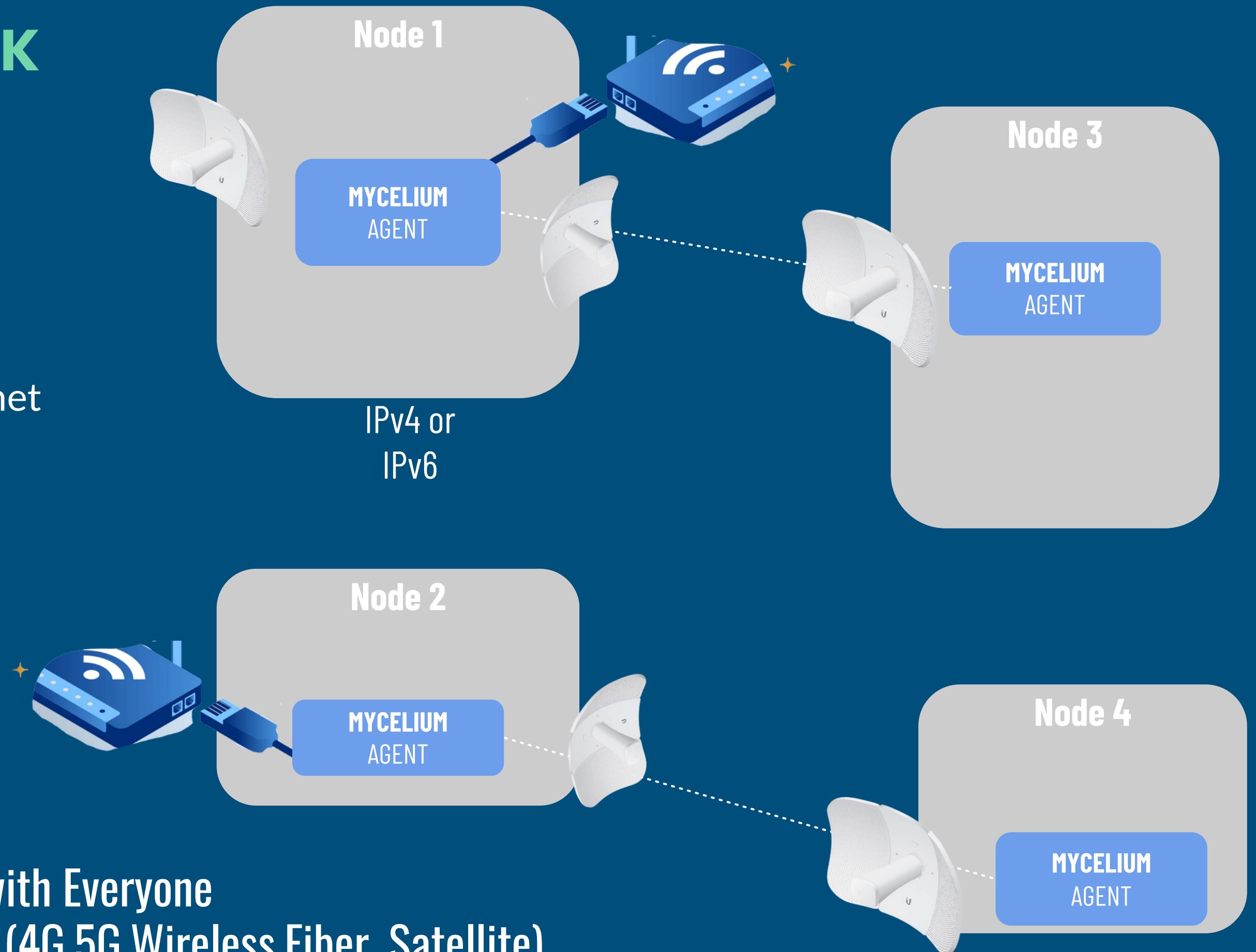
Storage layer will detect data corruption automatically and recover immediately.



MYCELIUM NETWORK

a safe mesh overlay network

- shortest path routing, can hop over nodes of friends
- works on top of current Internet cables (fiber, ADSL, 4G, 5G...)
- Quantum Safe
End 2 End encrypted
- Every user has unique IPV6 address linked to private key



Connect Everything, Everywhere with Everyone
Using any Connection Technology (4G,5G,Wireless,Fiber, Satellite)

THE PATH TO **AUTONOMOUS CLOUD**

	THREEFOLD CLOUD	Blockchain Protocols	Centralized Data Centers
Number of Transactions per Second	unlimited	limited	unlimited
Response Times	< 50 ms	+ 100-2000 ms	varies by location
Sovereign	yes	often not	mostly not
Blockchain Secure	yes	yes	no
Potential for Self-Healing	yes	no	no
Digital Currencies Ecosystem	optional	yes	no
Privacy / Security	high	low	medium
Featureset	comprehensive	limited use cases	wide but complex
Cost Efficiency	yes	better than cloud	expensive
Empowers Decentralized Web	yes	yes	no
Energy Efficient & Green	upto 10x better	diminishes with scale	no
Reliable (can withstand cable cuts, wars, ...)	yes	no	no
Experience	30 year experience for world record projects	blockchain as swiss army knife does not work.	high

ENERGY EFFICIENCY EXPLAINED

Our technology stack unlocks hardware space for IT workloads while reducing storage overheads from 400% to less than 20%. By removing any forms of intermediaries and automating the infrastructure via smart contracts, we achieve up to 90% energy savings depending on workloads.

Nodes are turned off when unused and turned on demand.

