

Build Connect Transform



Energy Web at a glance



Energy Web is a technology company that builds **open source** digital technology to accelerate decarbonization

TECH COMPANY FOCUSED ON
**decarbonizing the
global economy**

TECHNOLOGY DEPLOYED AND IN USE BY
100+ energy
companies
ACROSS 17 TIMEZONES

~45 team
members
WITH HUBS IN THE UNITED STATES,
WESTERN EUROPE AND AUSTRALIA

Business model =
SOFTWARE SERVICES, LICENSES,
GOVERNMENT CONTRACTS, AND PHILANTHROPY

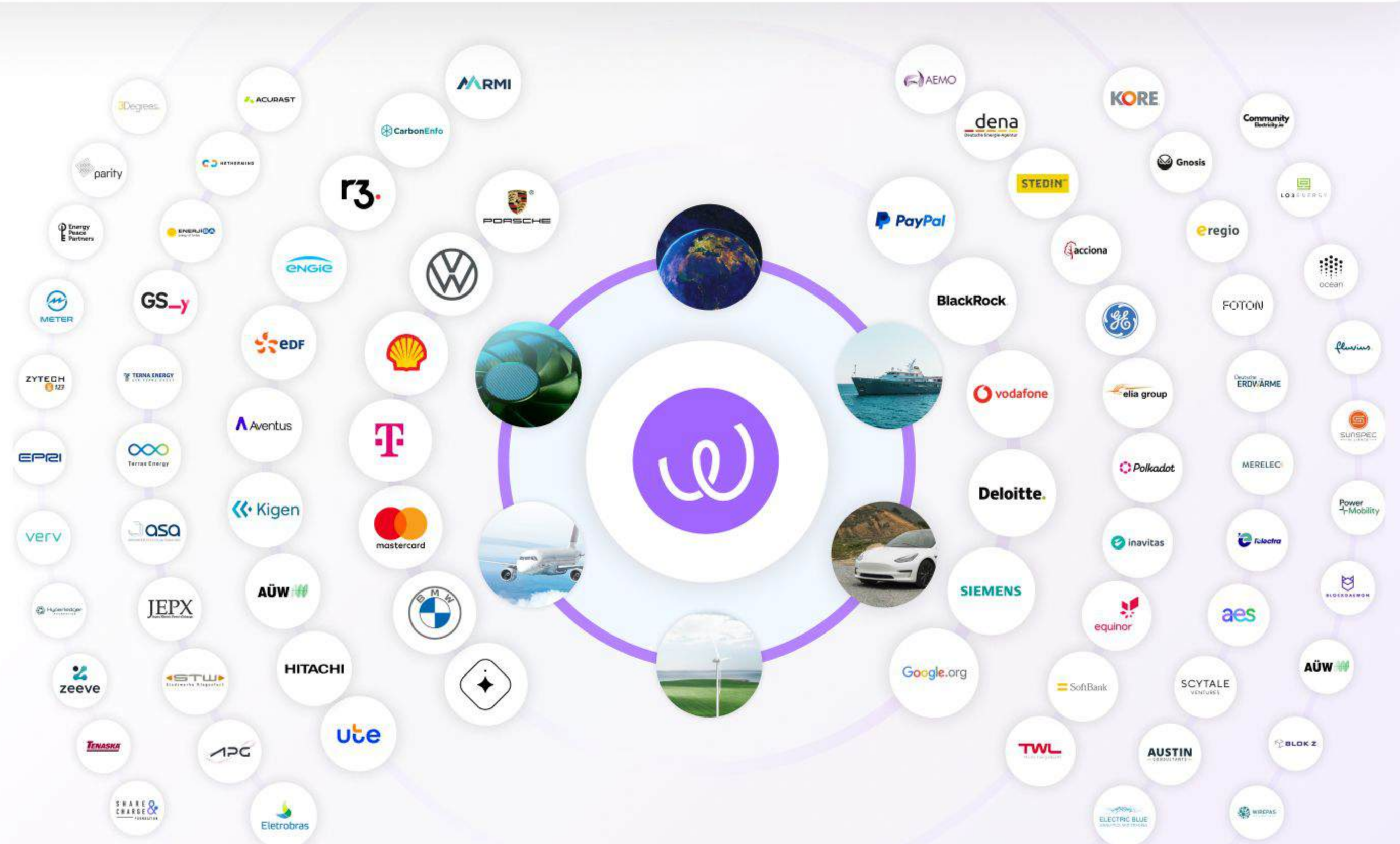
Energy Web's Global Ecosystem

VISION

Our name is our vision - an interconnected Energy Web empowering a sustainable, decentralized, and resilient global energy future.

MISSION

Energy Web unites policymakers, leading enterprises, and innovators to collaboratively accelerate and transform global energy markets through Web3 technologies. We pioneer market standards, drive regulatory innovation, and unlock unparalleled liquidity, efficiency, and compliance-shaping a trusted digital infrastructure for the energy transition.





Solutions



Introducing Green Proofs

Green Proofs is a comprehensive software solution for companies to demonstrate that they and their products are sustainable.



LAUNCH GREEN PRODUCT REGISTRIES

WHAT IS GREEN PROOFS?

Who it's for and focus areas



Launch Green Product Registries



Design and launch your own product registry

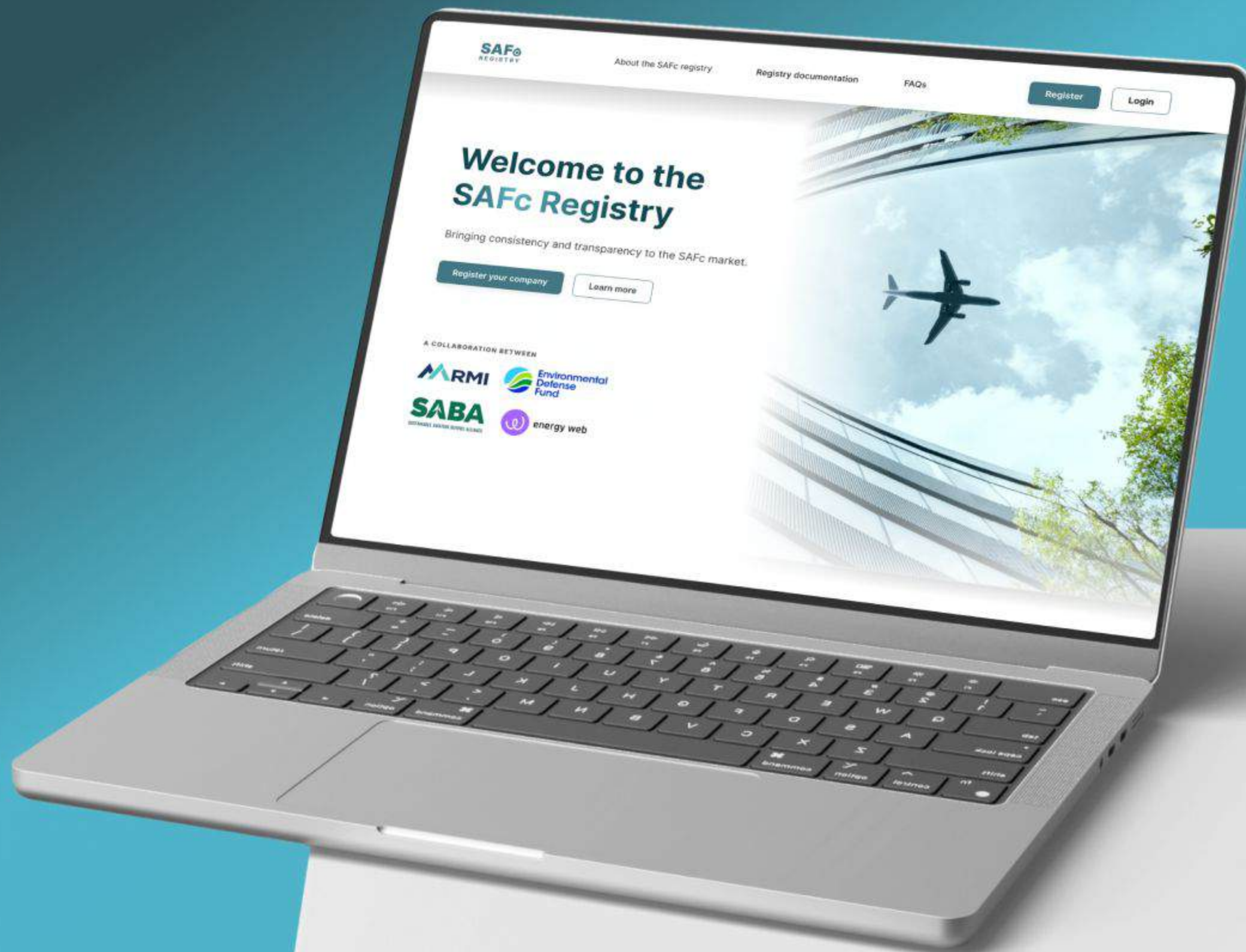
- Deploy registries to scale markets for emerging green commodity types.
- Enable transparent, scalable, and credible tracking and book-and-claim schemes.
- Help participants securely

Source and sell green products

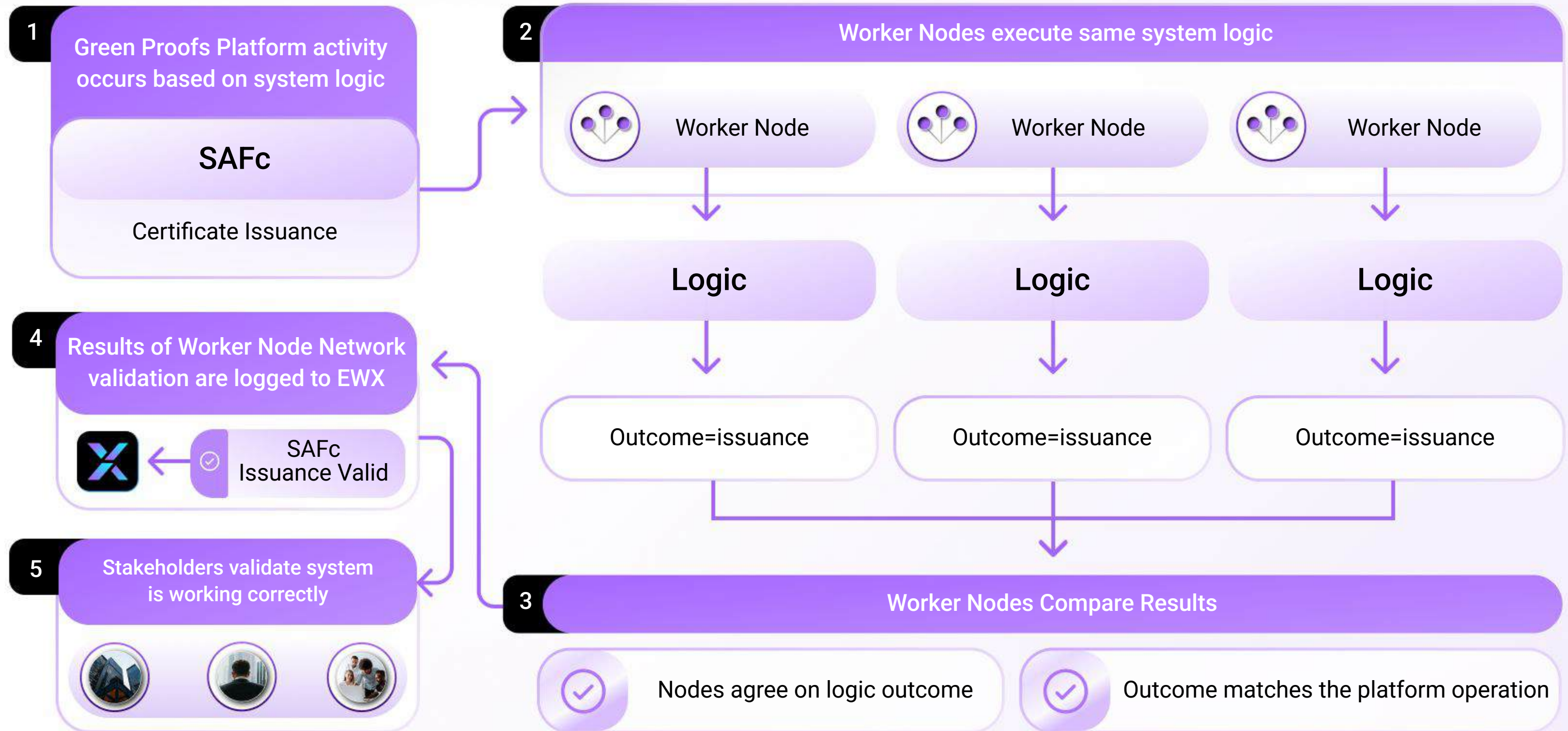


SAFc

Boost eco-friendly
aviation fuel demand



SAFc Registry Use Case



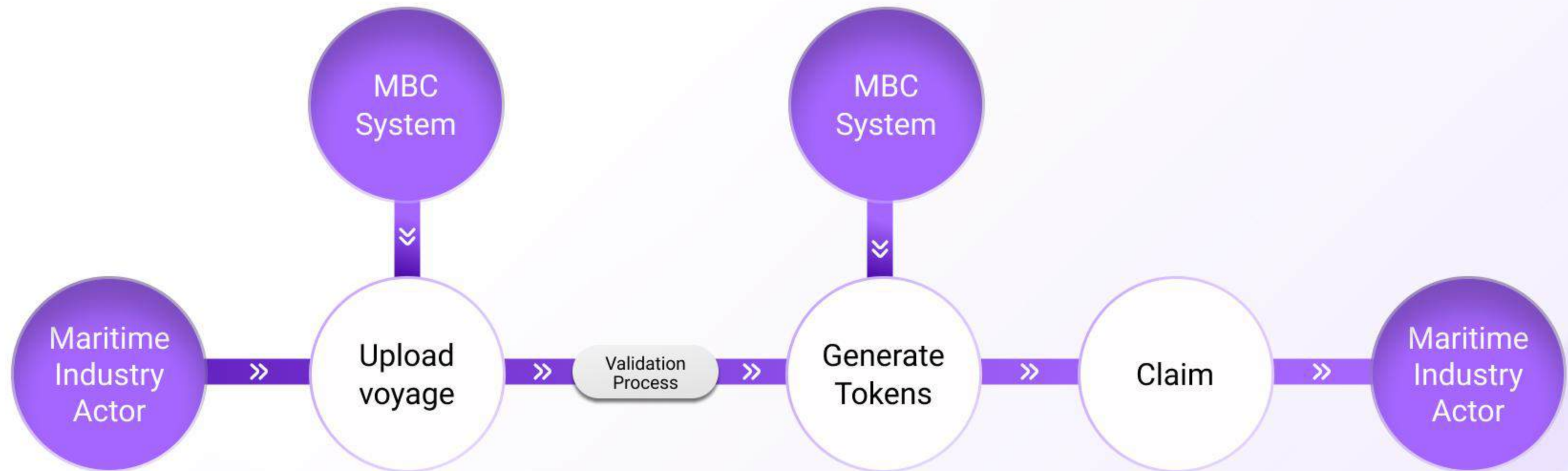
Maritime Book and Claim (MBC)

Simplify the process of registering the usage and ownership of sustainable fuel for all the actors involved in the shipping part of the supply chain.



MBC Registry Mechanism

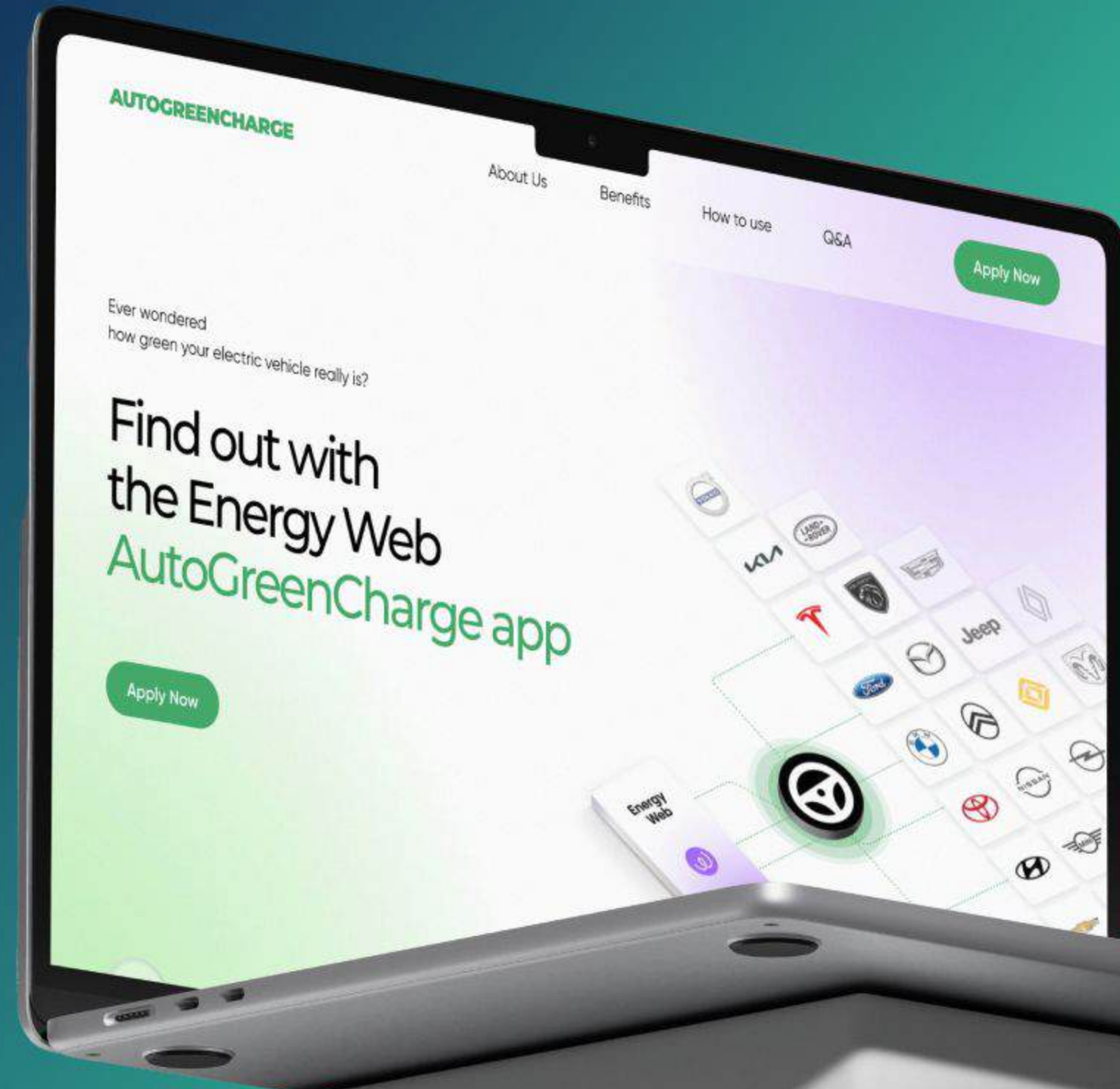
The road from the country of assemble to your home is rather a complex one.



GP4EV

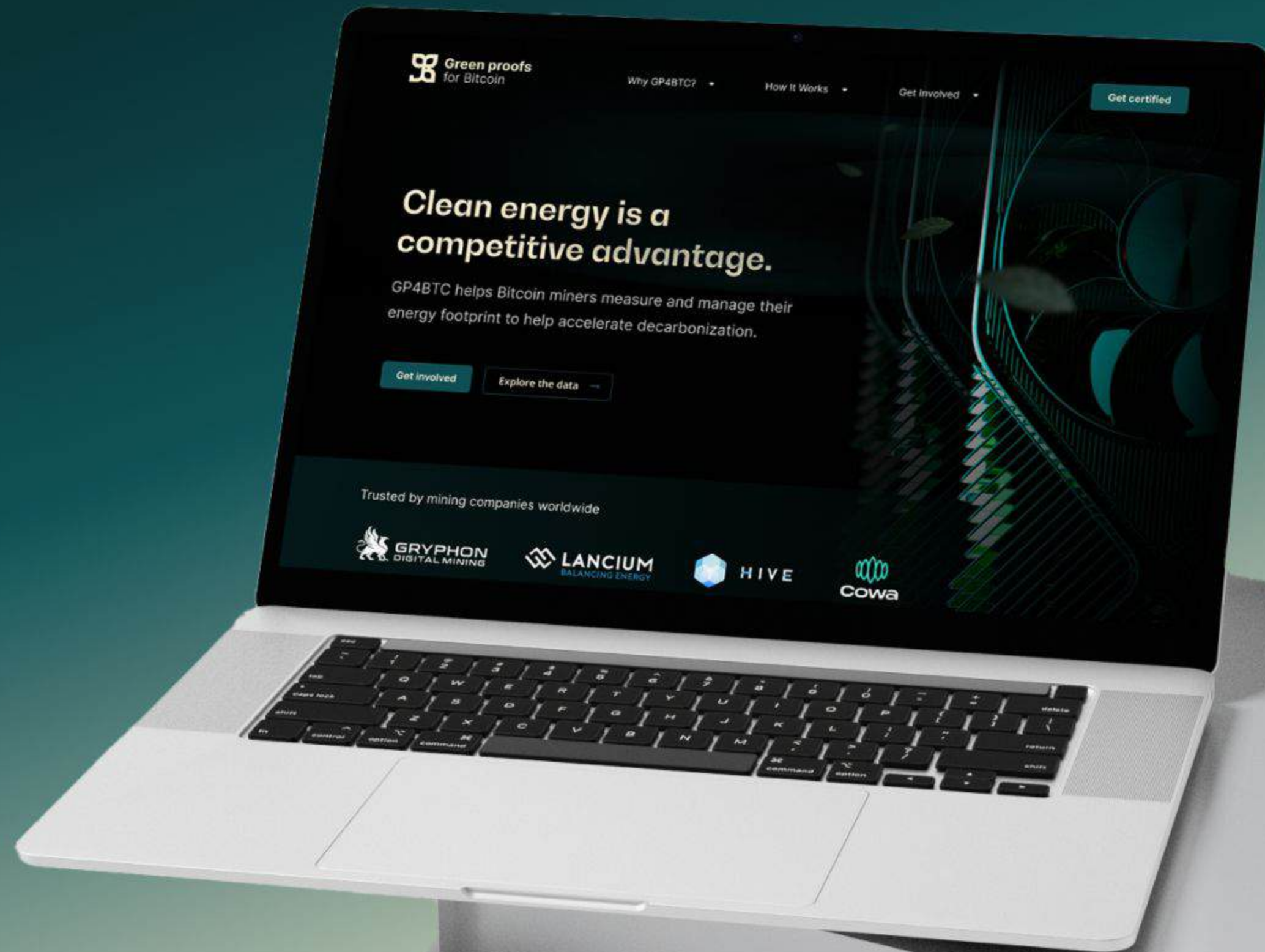
Powering E-Mobility with
Green Charge

AUTO
GREEN
CHARGE



GP4BTC

Reducing Bitcoin-adjacent
emissions



Green Proofs for Bitcoin (GP4BTC)

Green Proofs for Bitcoin helps companies reduce emissions associated with their crypto activities



Green Proofs for Bitcoin (GP4BTC)

What we need

Industry agreement on what constitutes climate-aligned mining

Method to measure alignment of mining companies with this definition

Ways to meet/drive investor demand for climate-aligned mining

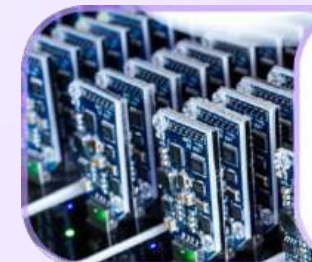
Ways to reward climate-aligned mining



Green Proofs for Bitcoin



Shared framework for assessing climate impact of mining operations



Independent miner evaluation services

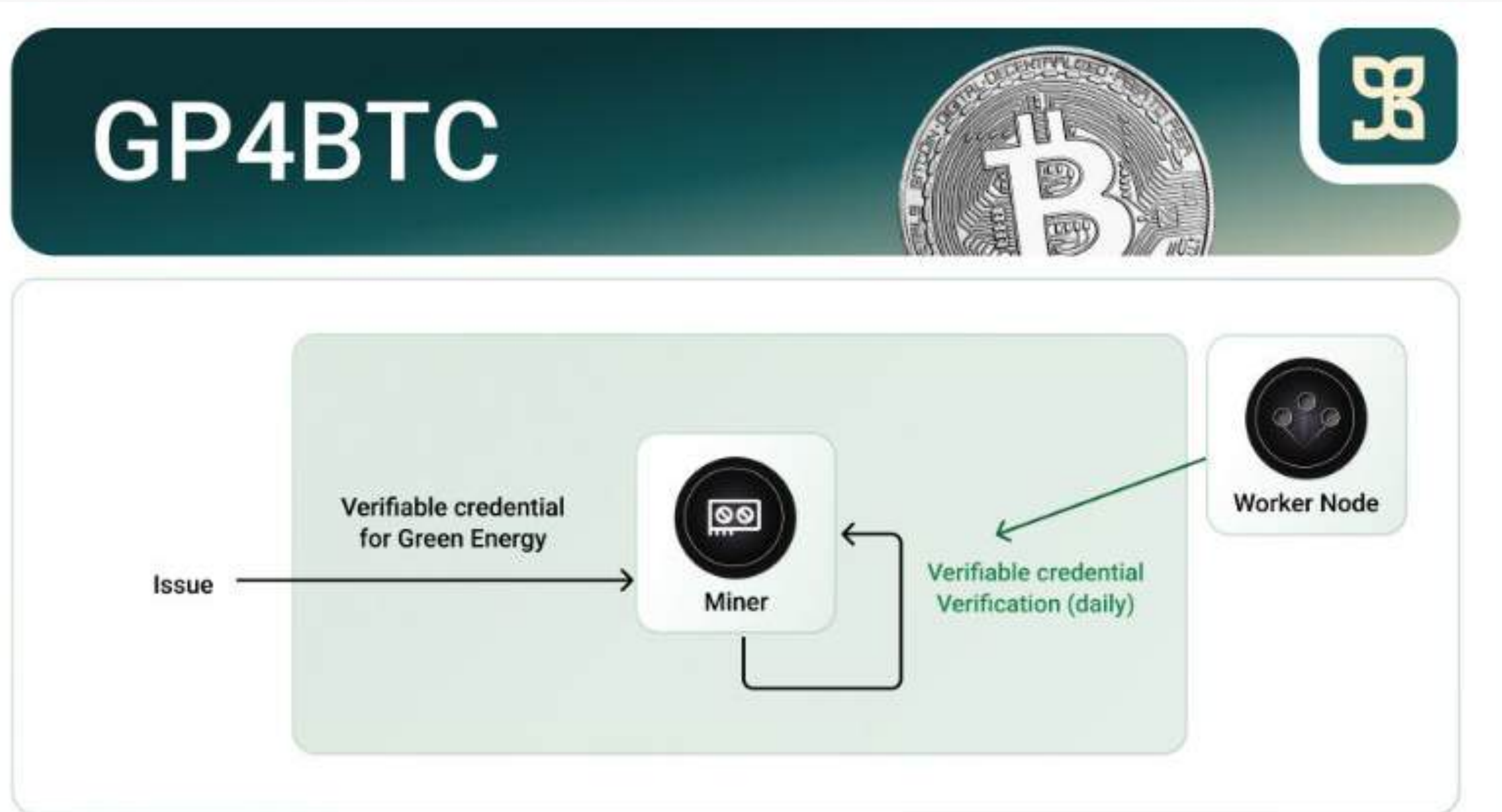


One-stop shop for market participants to discover and do business with climate-aligned miners

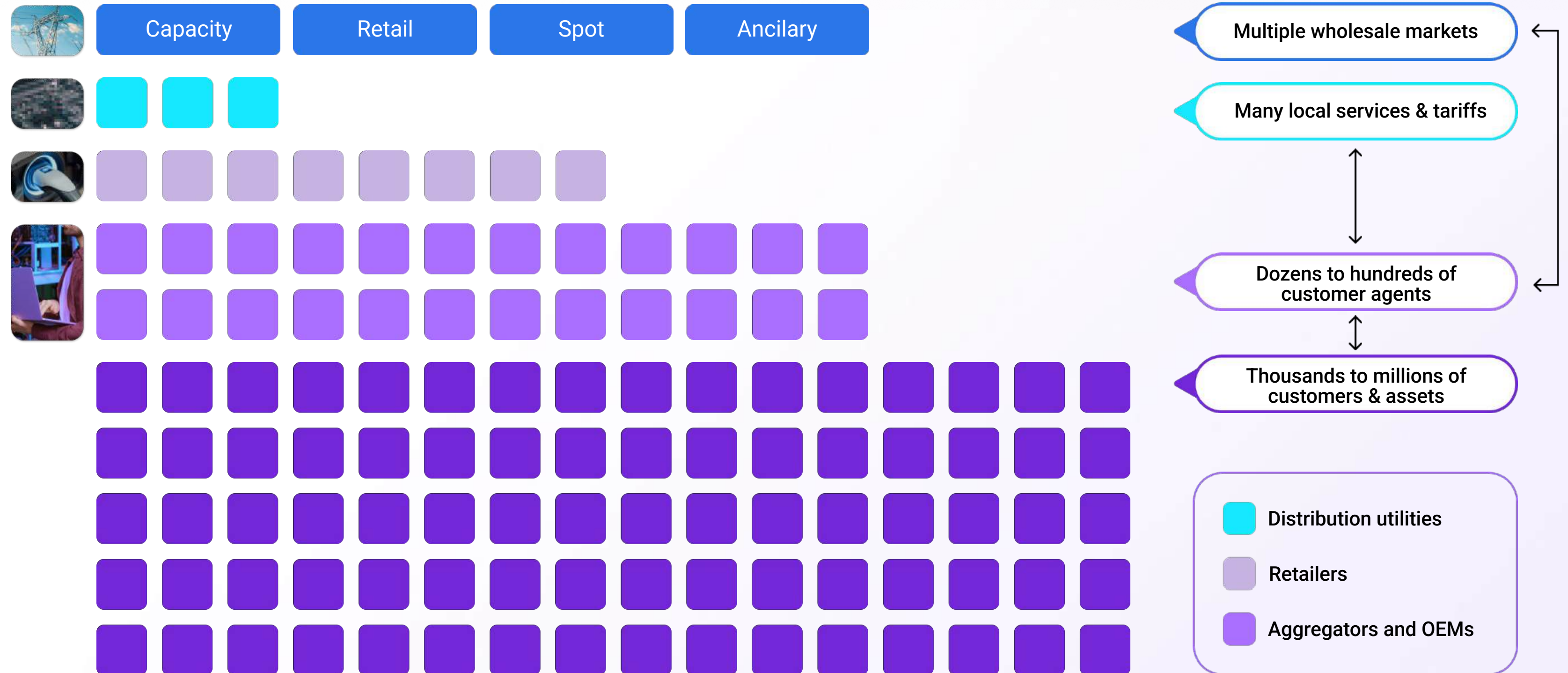


ROI for climate-aligned mining

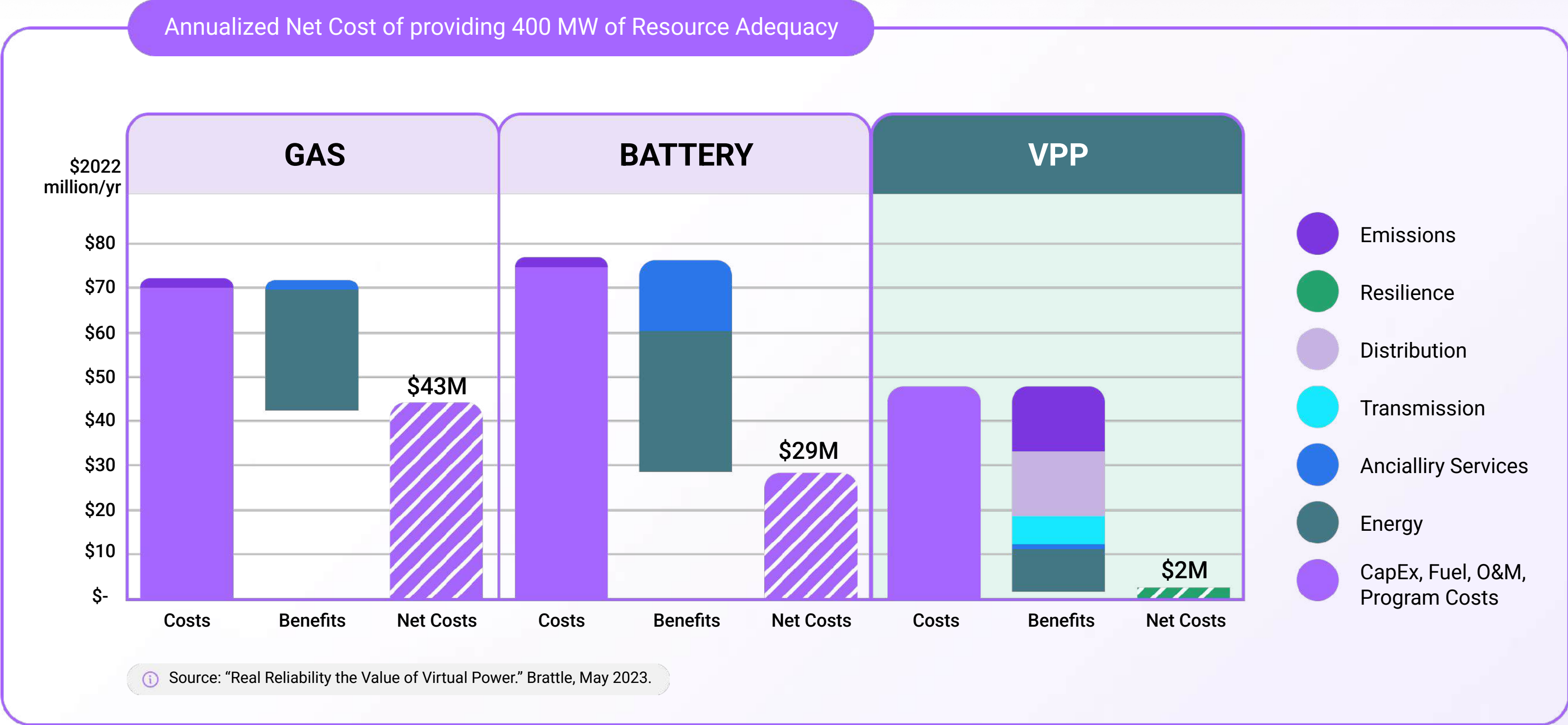
GP4BTC Use Case



More DERs, more renewables = increased complexity



DERs can become powerful tools



Australia moves to full Production Environment

Project EDGE is moving to a nation-wide demonstration phase



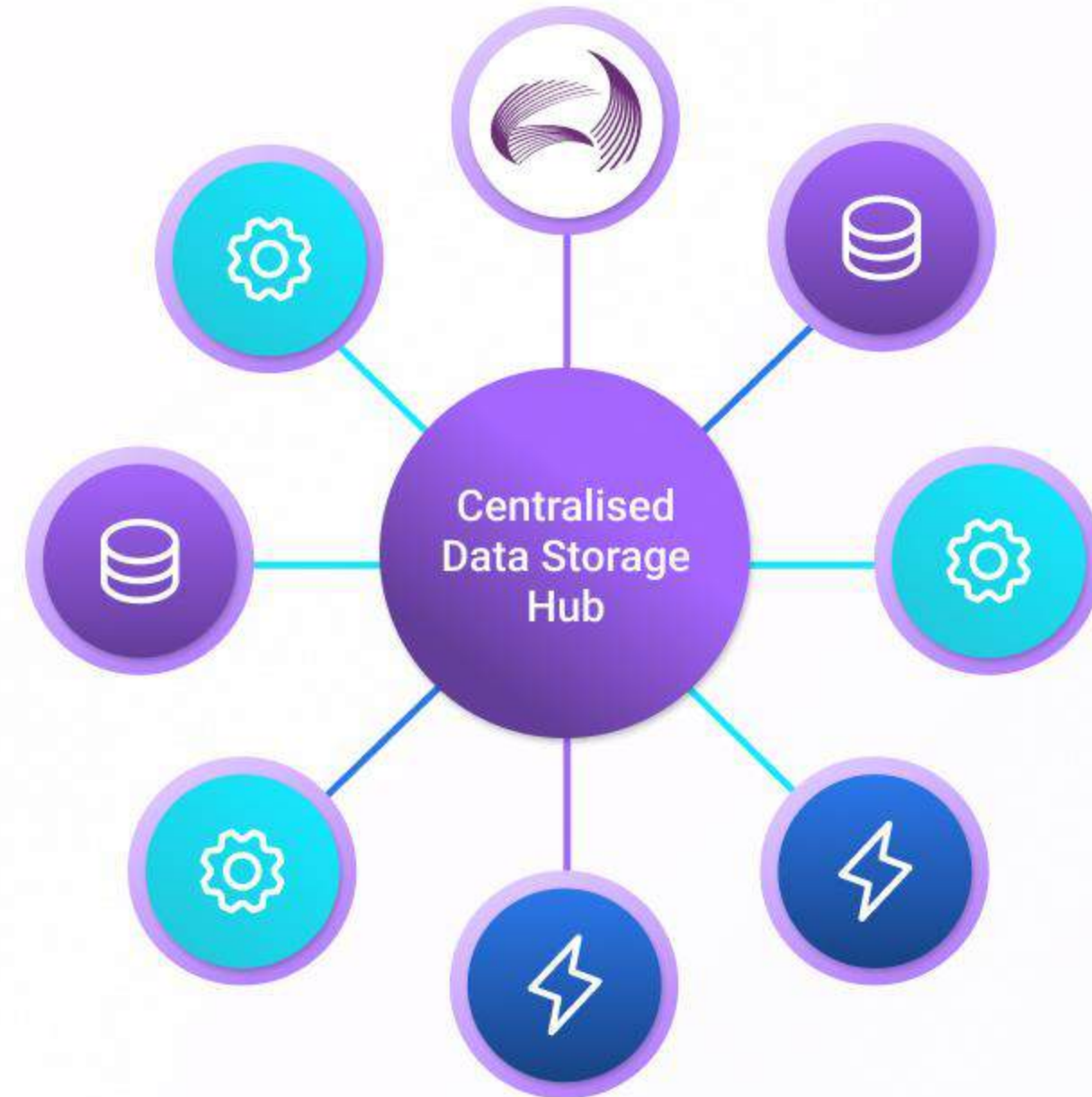
EW Digital Spine's Architecture

Centralised Data Hub

Standardizes integration and security

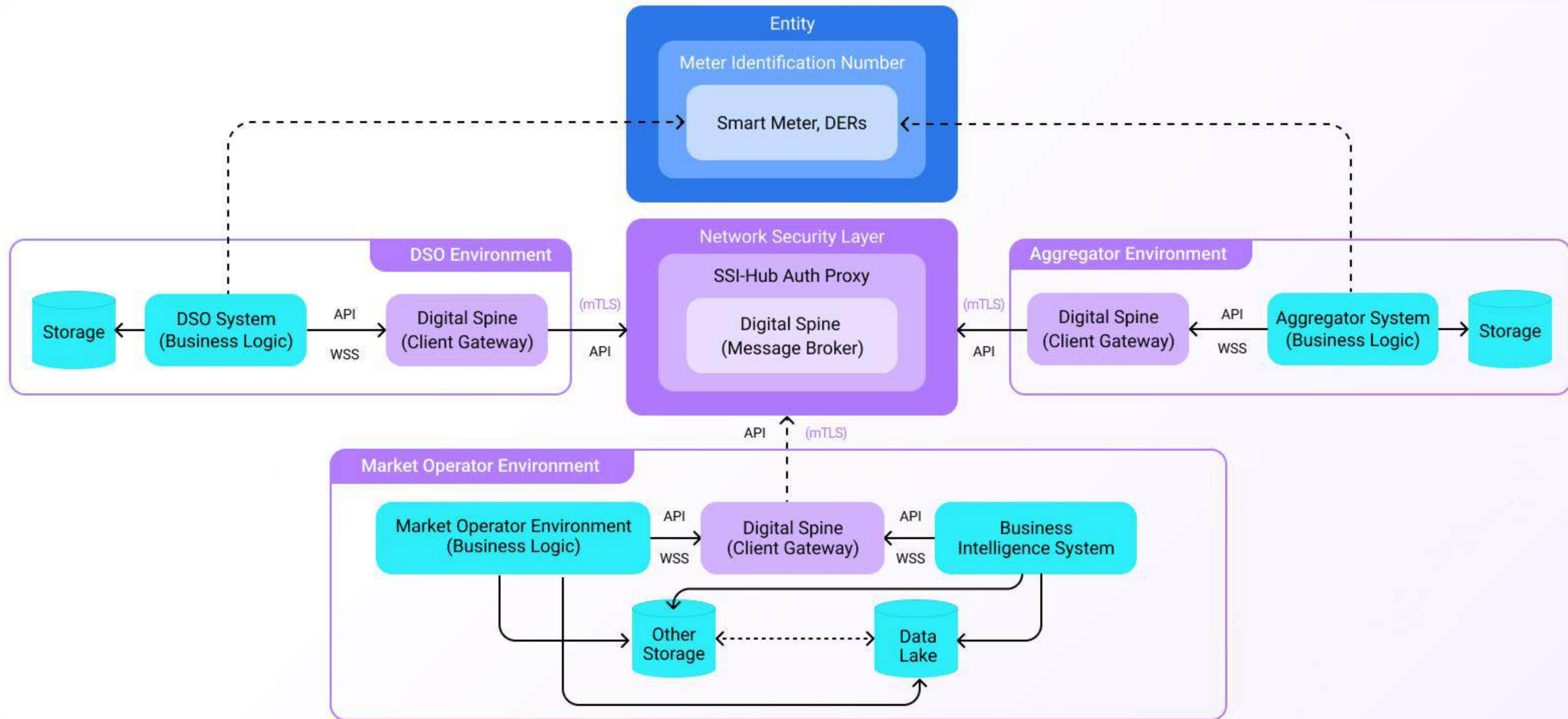
Adds significant IT and security burden to central administrator

More rigid and difficult for participants to organically develop independent applications.

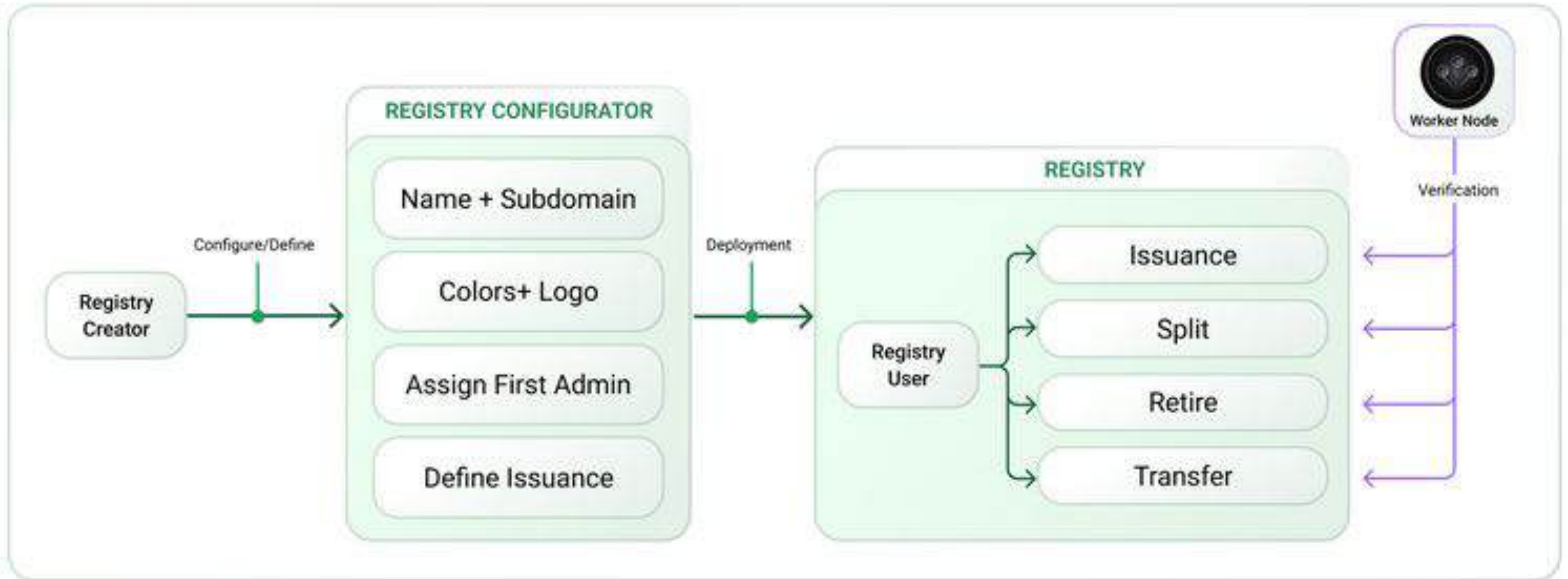


High-Level Diagram (Ecosystem)

Digital Spine serves as a data exchange platform in the Market Operations Ecosystem



Green Proof as a Service



Worker Node Networks - Overview



Worker Node Networks are distributed computing networks that securely execute sensitive business operations.



In Green Proofs, Worker Node Networks (WNN) create cryptographic proof that environmental claims obey relevant rules and standards.



Worker Nodes ingest data, execute business logic, & compare the outcomes with the network.



When the WNN agrees on an outcome, the consensus is logged on the EWX blockchain.

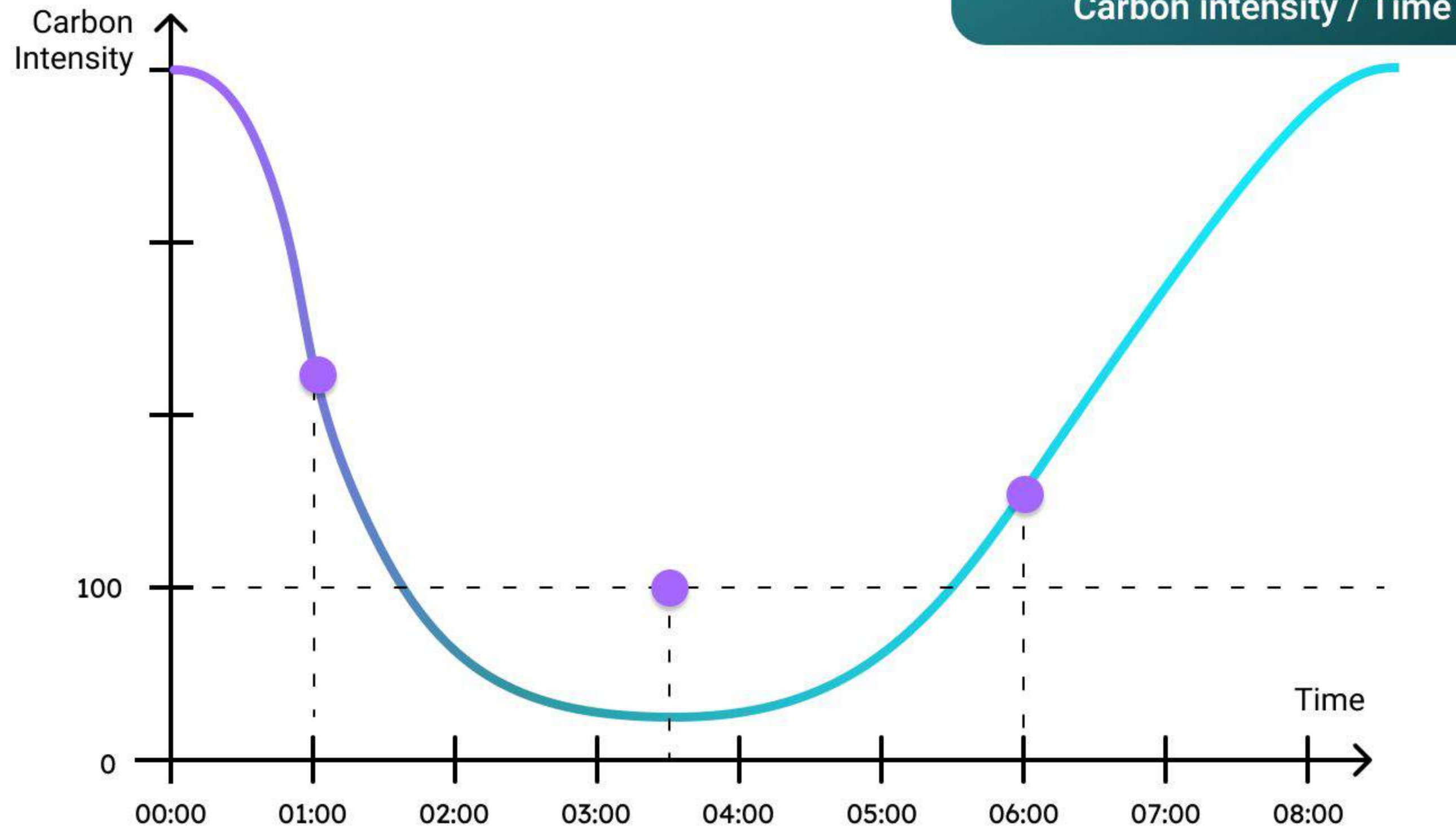


Green Proofs WNN execute the same logic for business operations (certificate issuance, transfer, retirement, etc) as the platform, then compare their results to platform operations.



Outcomes are logged to EWX as an audit trail for stakeholders, making environmental claims credible.

Typical carbon aware software approaches



Introduction to the Initiative

Objective

Establish a standardised, ecosystem recognized decentralized Identities and verifiable credentials infrastructure for next generation energy use cases and platforms.

Vision

Drive seamless interoperability across diverse energy systems, promoting identity and data sovereignty to enhance operational efficiencies, reduce entry barriers, ensure regulatory compliance, and support new business models.

Outcome

A robust governance framework overseeing standardized schemes, data models, and processes, along with the development and delivery of the technology infrastructure necessary to support a secure, interoperable credentialing ecosystem for the energy sector.

Use Case - 1, Unique Identification of Assets & Verifiable Attributes



Use Case - 2, Data Spaces for Sovereign Data Exchange

