



Energy Traceability via Open Source Blockchain



Our track record

Deep energy, software and data engineering capabilities

1 Total energy assets managed globally



16.4 GW ¹

Sembcorp's energy portfolio from Europe to Asia



9.5 GW

Renewable Energy Assets

2 Industrial engineering



150+ Solar Sites



55 Fast Response & Flex Plants



20 Water Plants



8 Energy Storage Sites



Waste Management



15 Industrial Parks



50+ Wind Sites
(~2,000 turbines)

3 Deep software & data engineering



>600,000,000³
energy data points captured
daily from operating assets



>20 years of managing
high quality assets



> 221,200 blockchain
transactions recorded ²



>200 man-years of
engineering expertise

¹ Figures stated include acquisitions pending completion. These transactions are expected to be completed in the first half of 2023.

² since Feb 2022.

³ Including China assets.

GoNetZero™ 's Blockchain Stack



Enterprise-Grade Permissioned Blockchain

Open-source Ethereum Client by Linux Foundation

Well-suited for Enterprise Applications

Privacy

High Security

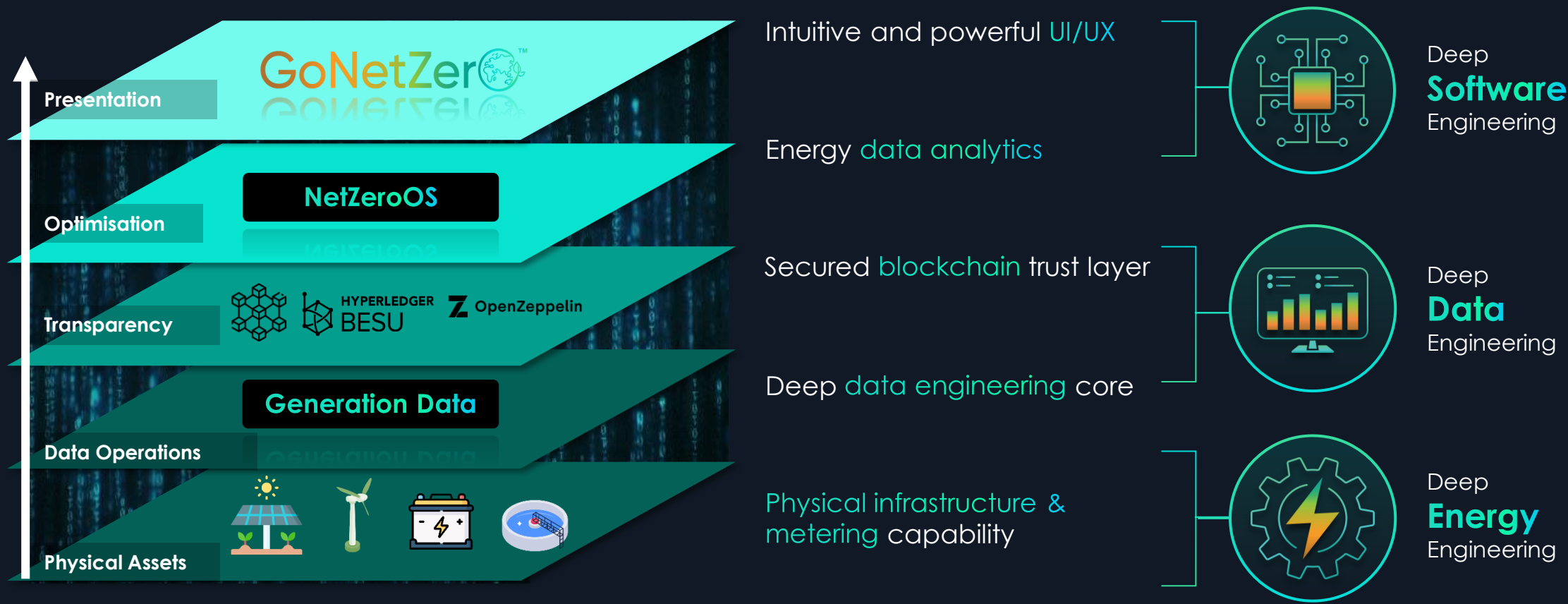
High Scalability

NetZeroOS: Smart Energy Asset Management

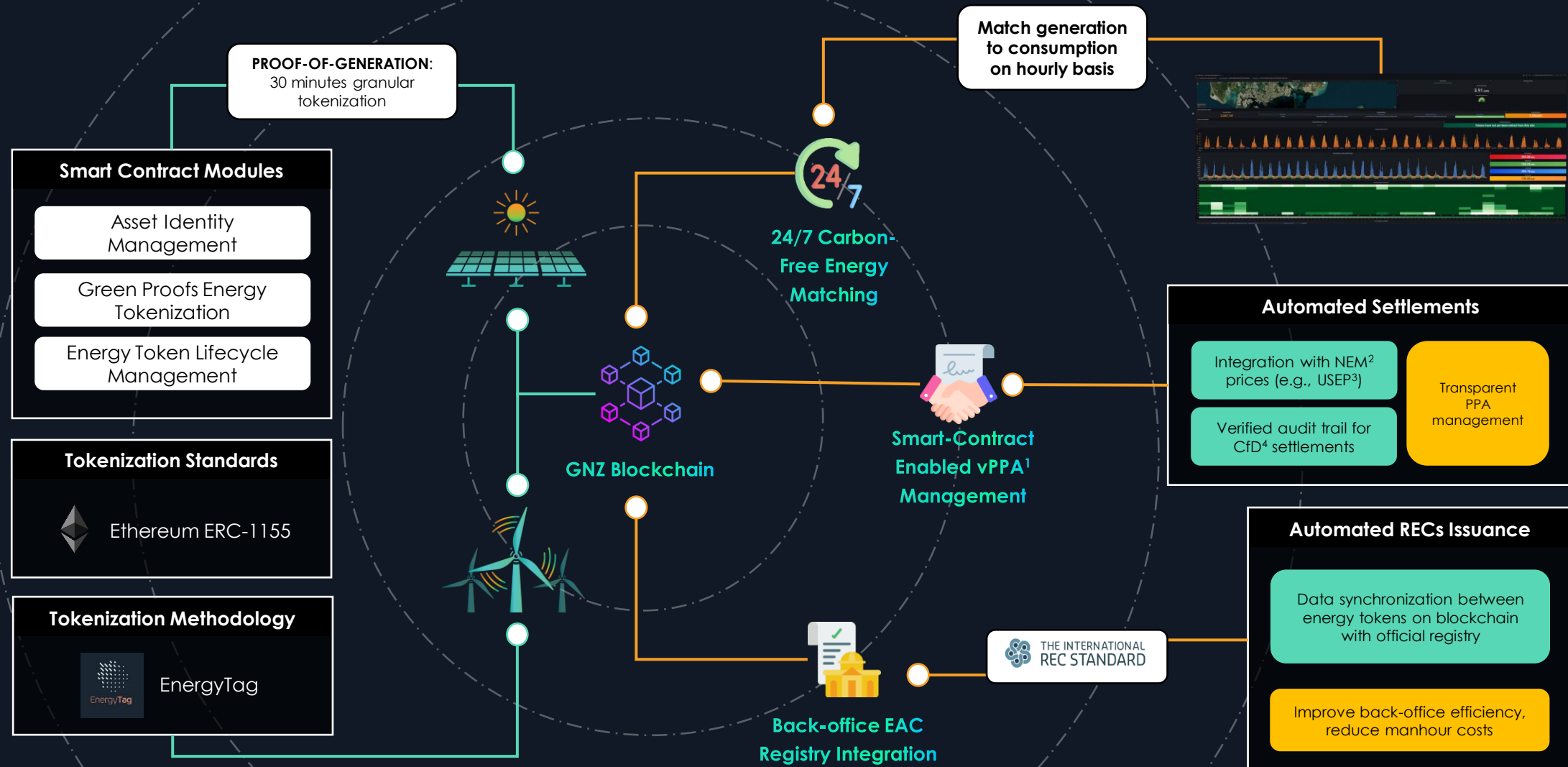


PROOF OF ORIGIN - BLOCKCHAIN TECH FOR RENEWABLE ENERGY ACCOUNTING

Tech Stack – Data & Science-based Approach to Decarbonisation



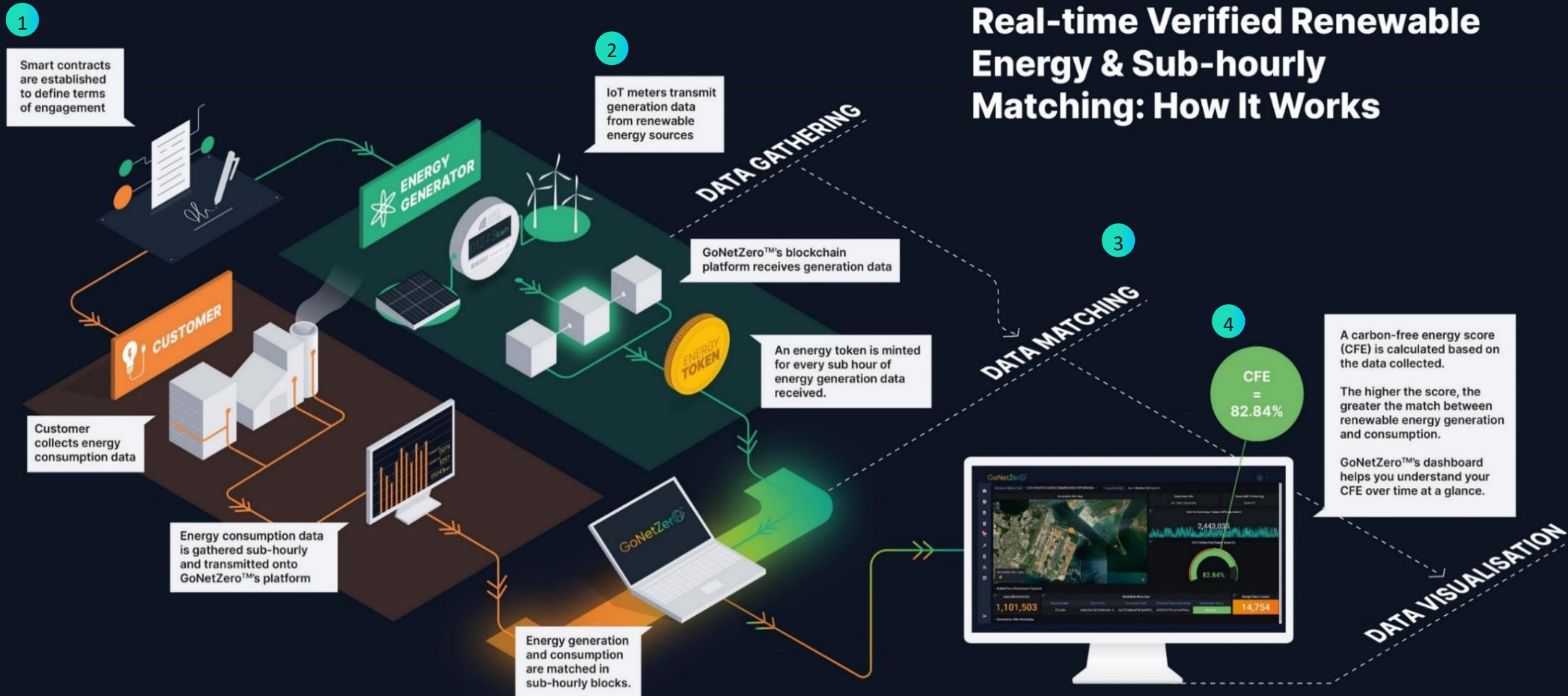
NetZeroOS: Proof-of-Generation using Blockchain



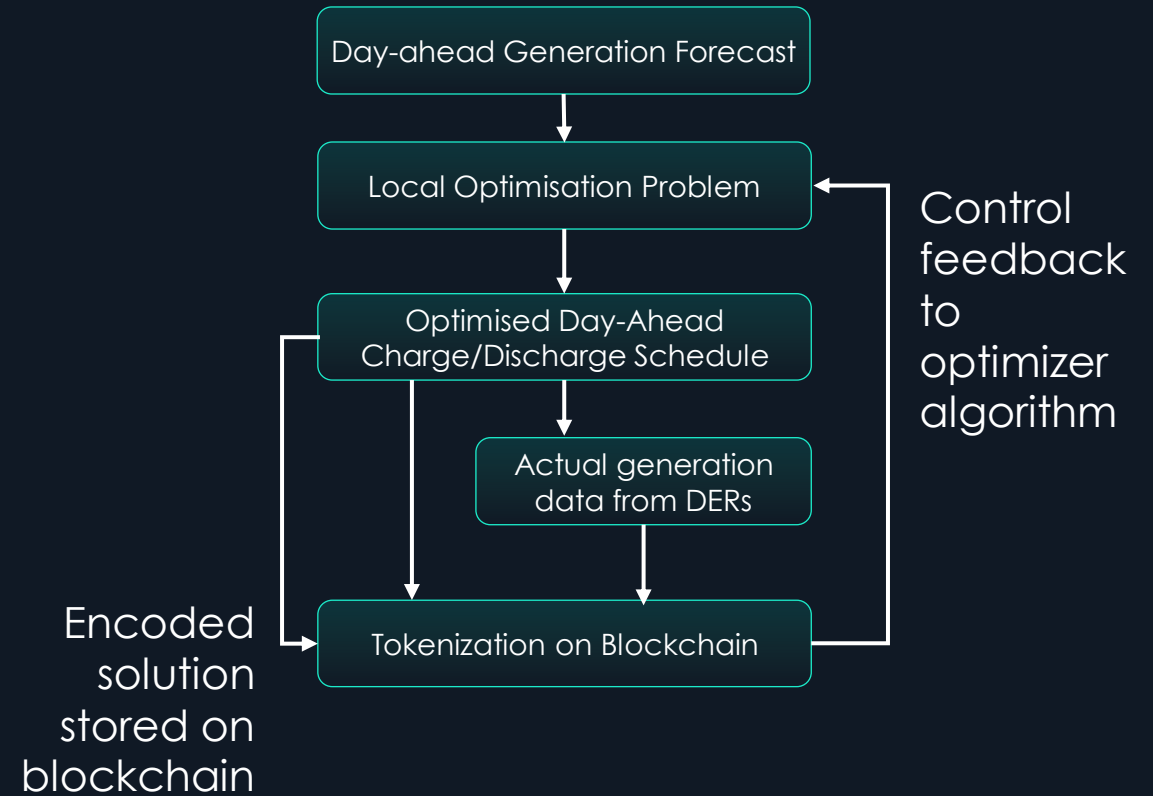
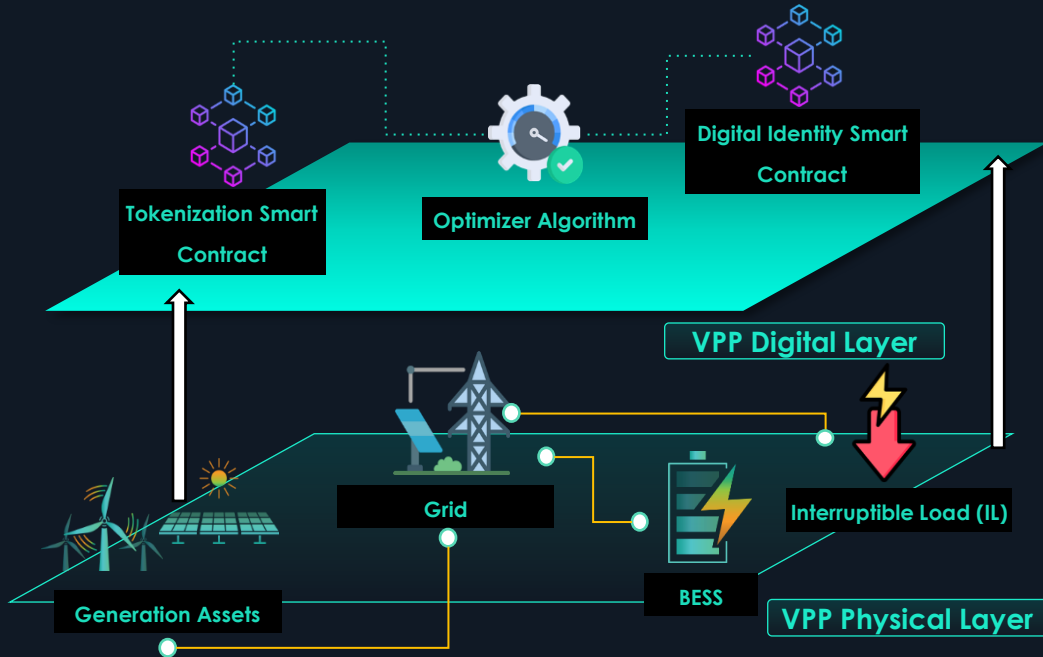
1) Virtual Power Purchase Agreement; 2) National Electricity Market; 3) Uniform Singapore Energy Price; 4) Contract for Difference

Towards 24/7 Carbon-Free Energy

Real-time Verified Renewable Energy & Sub-hourly Matching: How It Works

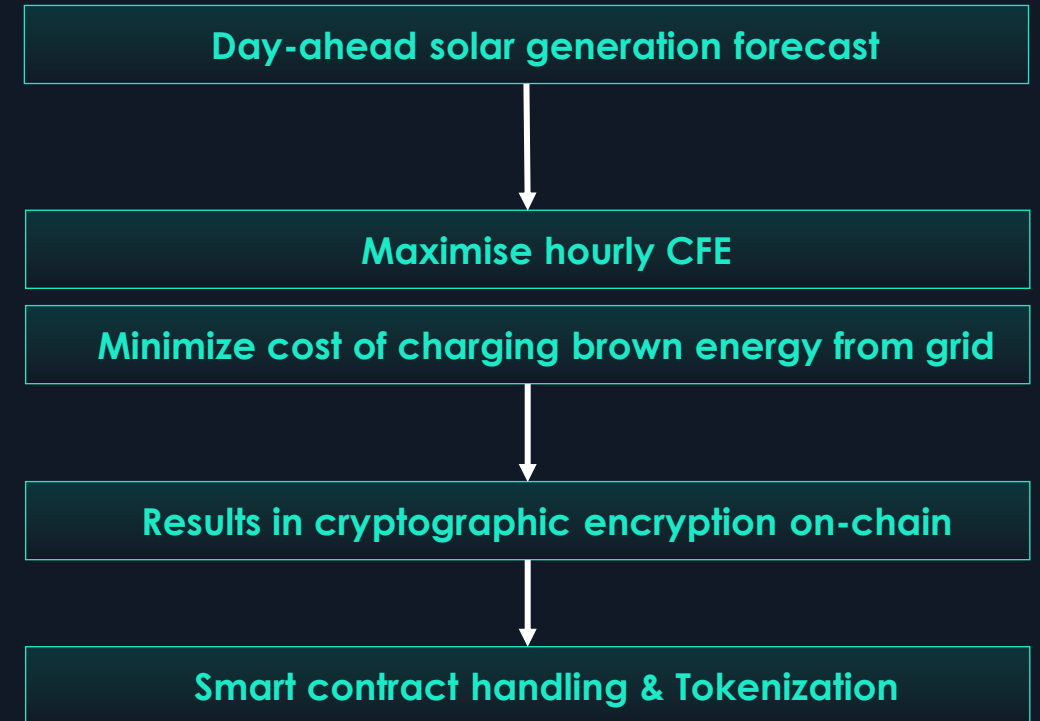
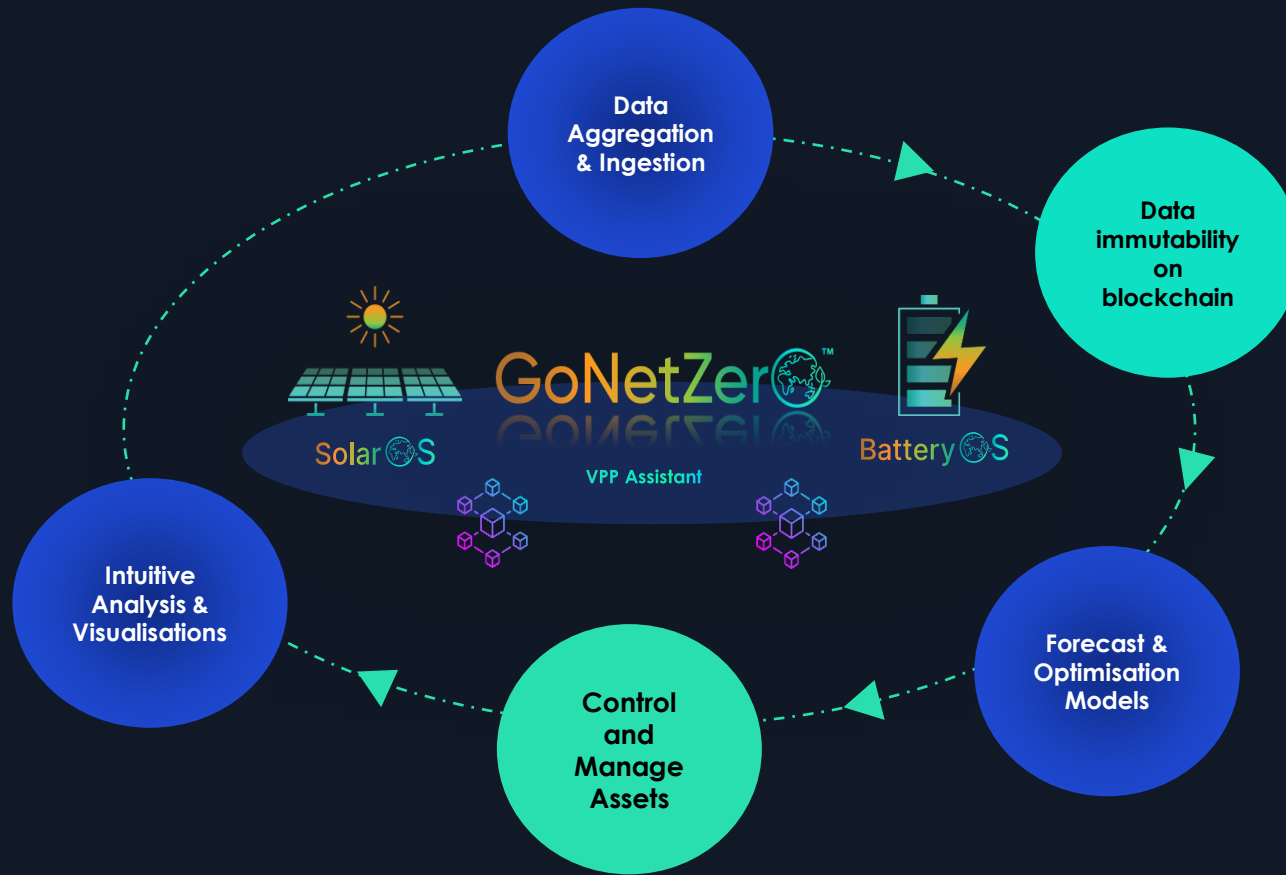


NetZeroOS: High Level Coordination



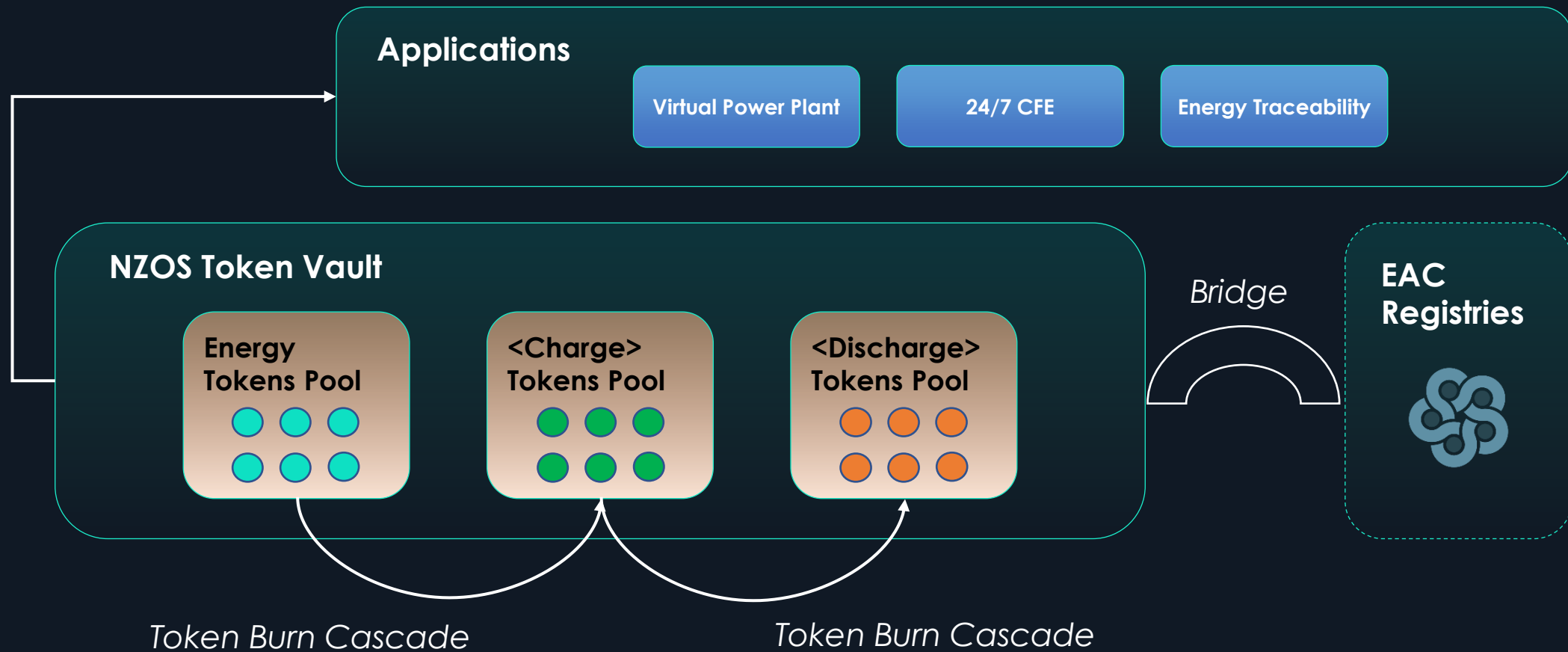
NetZeroOS: BESS Application

Plug & Play Software Digital Layer

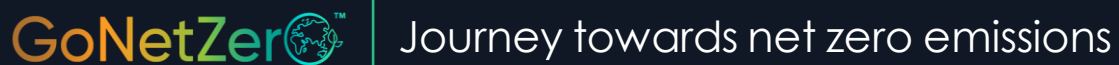


NetZeroOS: NZOS Token Protocol

Conceptual BC-Token Architecture

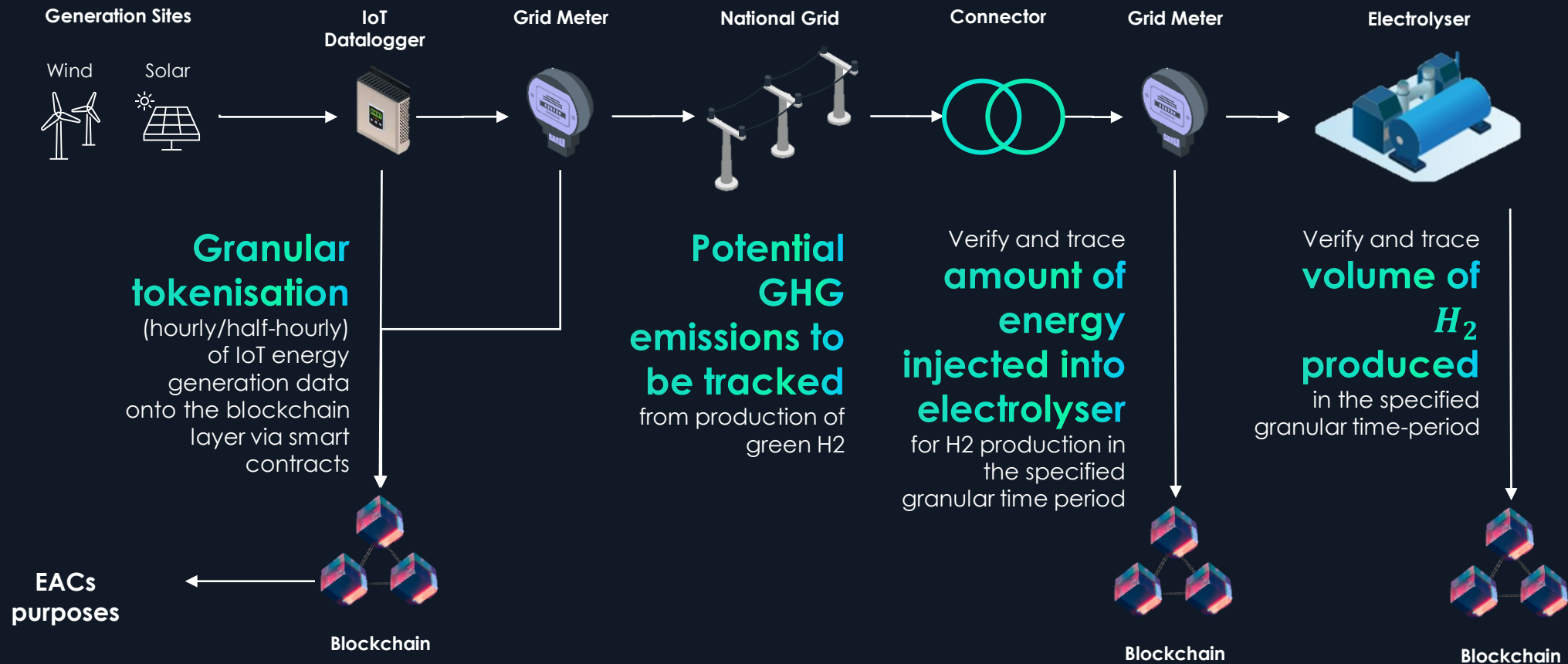


Smart Contract Powered vPPA Settlements



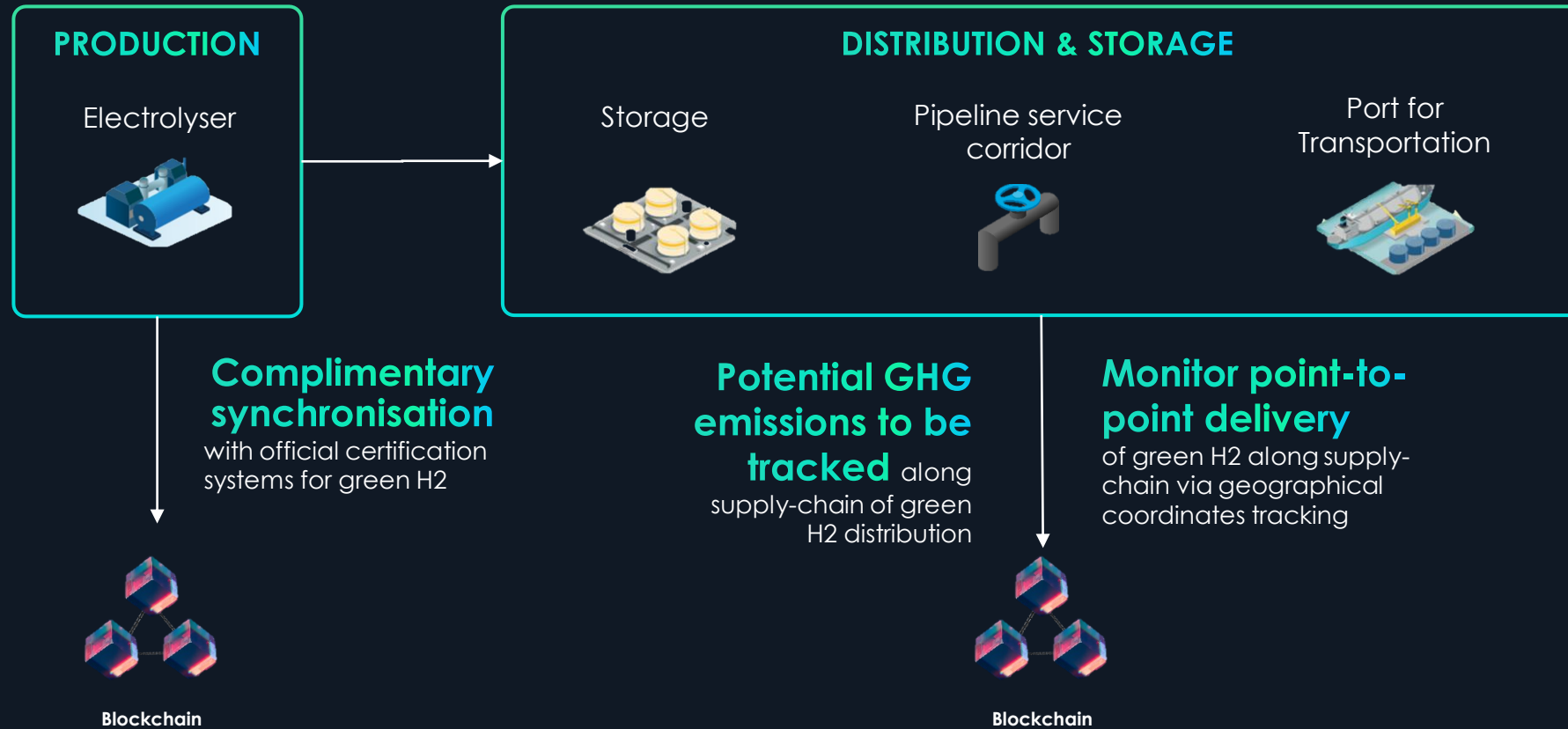
NetZeroOS: Green H₂ Application

1. Proof-of-generation



NetZeroOS: Green H₂ Application

2. Supply Chain Traceability



Thank You

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www.gonetzzero.ai



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