HYDRO-E BLOCKS

A BLOCKCHAIN-BASED SOLUTION IN THE HYDROGEN INDUSTRY

HYDROGEN MARKET GROWTH

7.8%
The Compound Annual Growth Rate (CAGR)

Source: MarketsandMarkets

Green Hydrogen Market Evolution

H1 2024

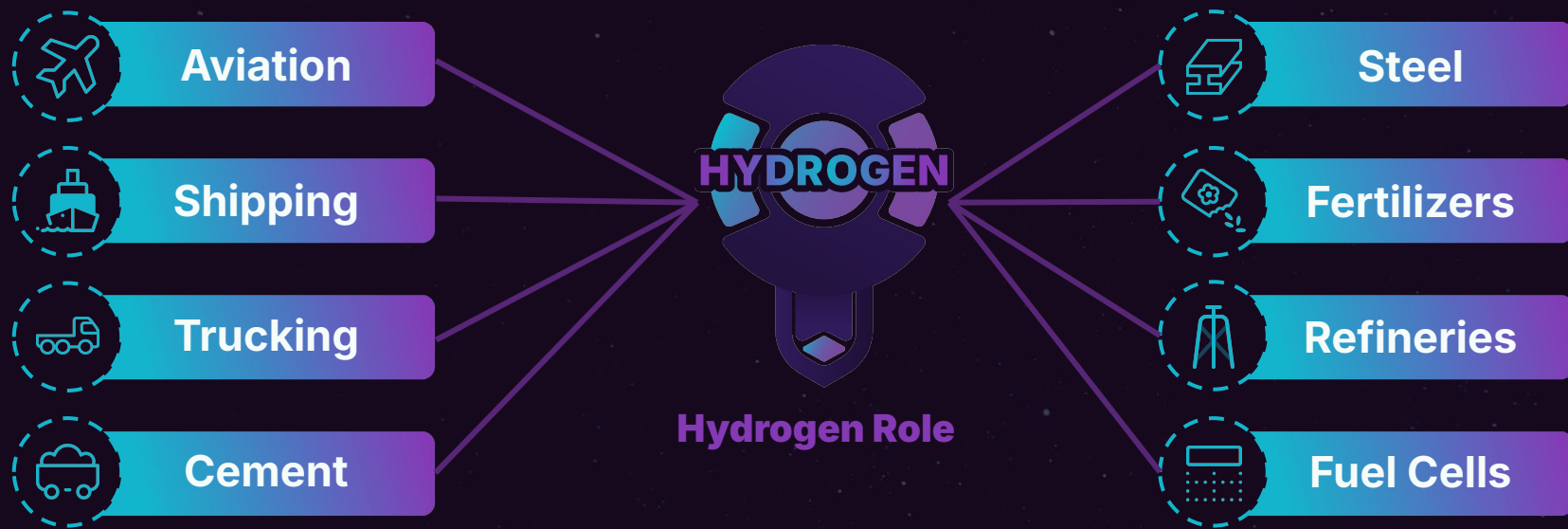| **531** Hydrogen & Synthetic Fuel Projects	**411** Electrolyzers Projects
500 GW Total Added Electrolyzer Capacity	**1.2 GW** Hydrogen & Synthetic Fuel Projects

Source: Delphi Data Labs

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CARBON INTENSIVE INDUSTRIES

Aviation

Shipping

Trucking

Cement

HYDROGEN

Hydrogen Role

Steel

Fertilizers

Refineries

Fuel Cells

20% global CO2 reduction by 2050

Ranging from 22% CO2 reduction for refineries to 95% reduction for steelmaking

Source: McKinsey & Company

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BLOCKCHAIN SOLUTION-FIT

A need for :

VERIFY

Carbon free/low
Hydrogen

SECURE

Transactions

CONFIDENCE

Within
stakeholders

OPTIMIZATION

Of Value Chain

Blockchain technology innovation potential is well-suited to respond to this **need**

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BOOK AND CLAIM SOLUTION

A simple way to track Hydrogen within the supply chain

Streamline the **verification** and **allocation** of low-carbon intensity hydrogen **credits** using blockchain technology

1 PRODUCTION & CERTIFICATION

2 BOOK

3 CLAIM

4 OPTIMIZATION

BOOK AND CLAIM WORKFLOW

1 PRODUCTION & CERTIFICATION

Estimate Carbon Intensity and provide a digital certificate

2 BOOK

Logging certificate in a blockchain based registry

3 CLAIM
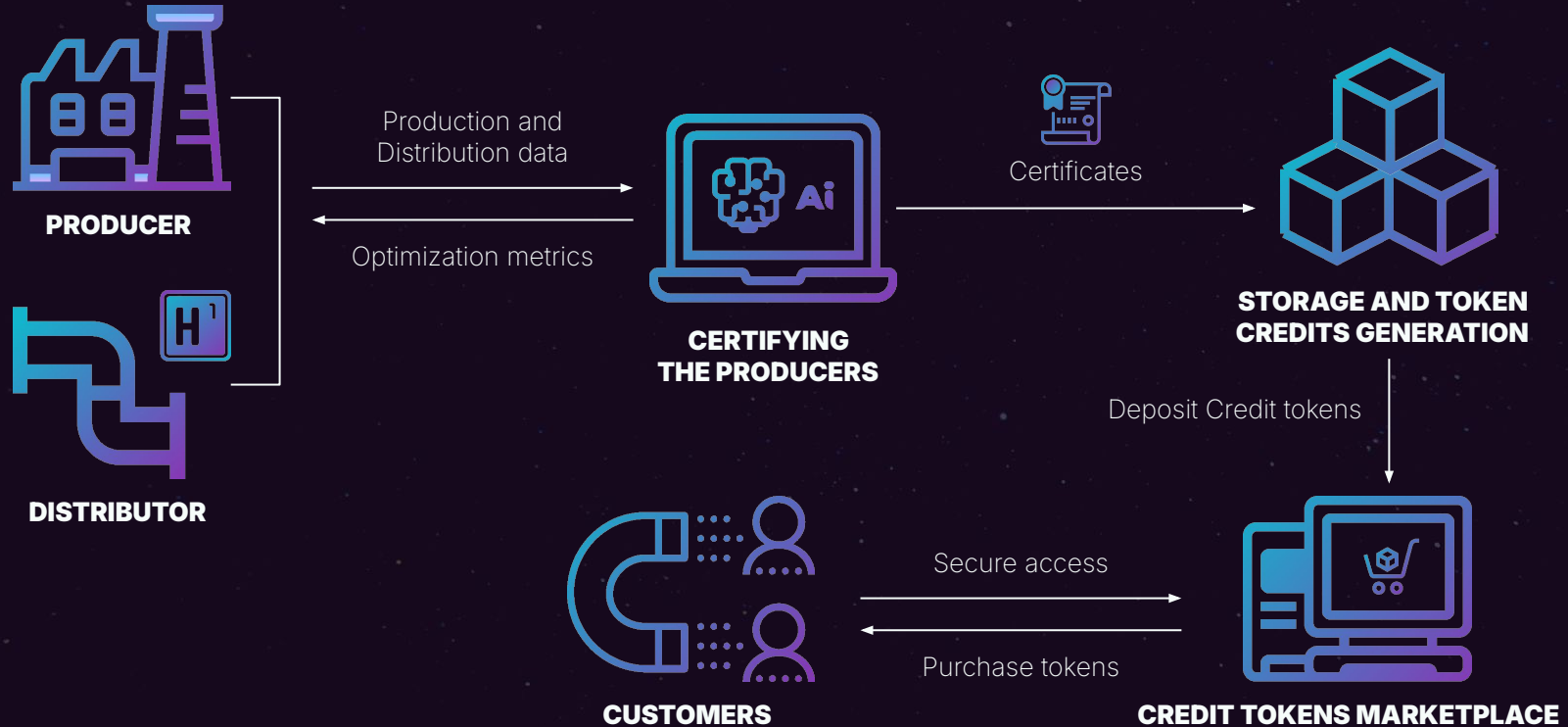
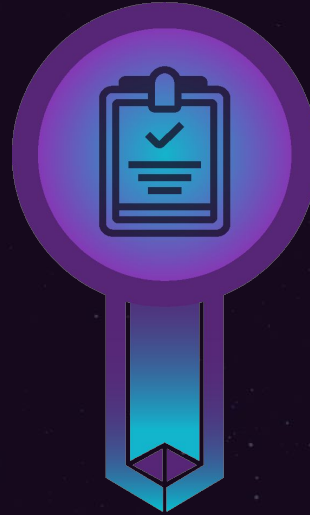Businesses and consumers buy **hydrogen credits** from the registry

4 OPTIMIZATION

We optimize Carbon intensity decisions within the value chain

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SOLUTION GENERAL **ARCHITECTURE**

OUR **VALUE PROPOSITION**

Ensures **Optimization** of the value chain for a less **GHG emissions**

We work with **Auditors and Certifiers** to ensure **confidence** within the supply chain

Through **Blockchain technology**, we connect actors within the hydrogen industry in a **Peer to Peer System.**

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MARKET ESTIMATION

- **Hydrogen Market value** = $242.7 billion in 2023
- Digital Solution is 15% of the market (TAM)

Source: IEA

15% Adoption

70% for production & Distribution Tracking

Digital Solution in GH2 Market

SOM — **$4 Billion**

SAM — **$25 Billion**

TAM — **$36 Billion**

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TEAM PRESENTATION

Driving Innovation

Marwen Chaabouni
Energy Specialist

Islem Hamzaoui
Data Analyst

Mohamed Ben Kedim
Blockchain Engineer

Ranya Ouni
Web Developer

Stefan Kermer
Business Advisor

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TRACTIO N

We won a **Web3 Hackathon** with over **100 students** and **25+ teams**

We Received a grant from **Dione Protocol** to **develop a Blockchain Solution**

Dione Protocol

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CALL FOR ACTION - PROGRAMS

Research Scale-Up

1. **Incubation/Acceleration Program:** Seeking resources, mentorship, and support.

2. **Investor Visibility:** Gain exposure and connect with potential investors to pre seed investment

3. **Grants/pre seed Investment:** We want to accelerate the development and deployment of our innovative blockchain solution for low-carbon hydrogen

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