

# Token-Catalyst

Energy-Backed Digital Asset of a New  
Type

# Core Concept

- Token value is based on a catalyst's ability to produce hydrogen and electricity
- Catalyst = Token – Capital Savings + Hydrogen + kWh Production
- Backed by physical potential, not stored energy

# Initial Stage Function

- Concept validation via demonstration setup
- Token reflects a reliable, liquid energy asset
- Catalyst is the token's underlying collateral

# Physical Infrastructure

- Catalyst: a physical system generating  $H_2$ /electricity
- Examples: electrolyzers, fuel cells, micro CHP
- Parameters: power, efficiency, certified energy sources

# Token Mechanics

- Tokens issued based on confirmed catalyst capacity
- Data secured via API/IoT/oracles
- Token burn upon energy usage

# Advantages

- Value = Energy Equivalent
- Blockchain transparency
- Liquidity on secondary markets

# Roadmap

- M1: Architecture and legal setup
- M2–3: MVP and smart contract
- M4: Pilot installation
- M5: Token test issuance
- M6: DAO formation
- M7+: Scaling up