

From Strategy to Scale: Developing Hydrogen Hubs in China



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The world's leading net zero technology partner for enterprises, governments and organizations

Envision Energy is a world-leading green technology company, providing renewable energy system solutions for global enterprises, governments and institutions.

With "solving the challenges for a sustainable future" as its mission, Envision Energy keeps making renewable energy production, storage, and synergy less costly through technological innovation.

Encompassing three major business sectors-Smart Wind Turbines, Energy Storage, and Green Hydrogen Solutions, Envision Energy collaboratively constructs comprehensive solutions for energy transformation.

It also manages Envision-Hongshan Carbon-Neutral Fund and owns Envision Racing Formula E team, the Teams' Champions in FIA Formula E World Championship in 2023.



Inner Mongolia Chifeng Envision Net Zero Hydrogen Industrial Park



- Mass production green H₂, NH₃, MEOH and SAF
- The 1st stage of phase 1 was commissioned on Mar. 13th 2024
- Proprietary technology, 100% powered by renewables

5MM Ton

Green ammonia per year

200K Ton

Methanol per year

SAF is planned



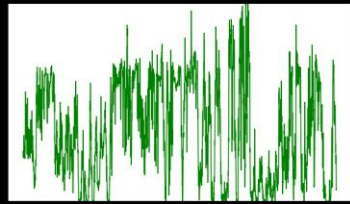
COP28 UAE

*Energy Transition
Changemaker
Award*

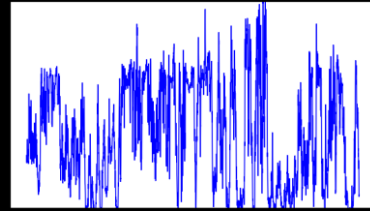
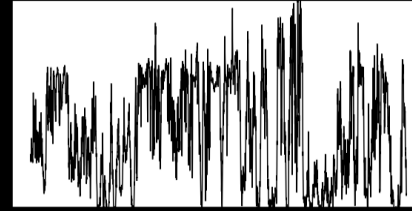


The Largest Off-grid Green Ammonia Project (320KTA) Onstream on 8th July 2025 in Chifeng, China

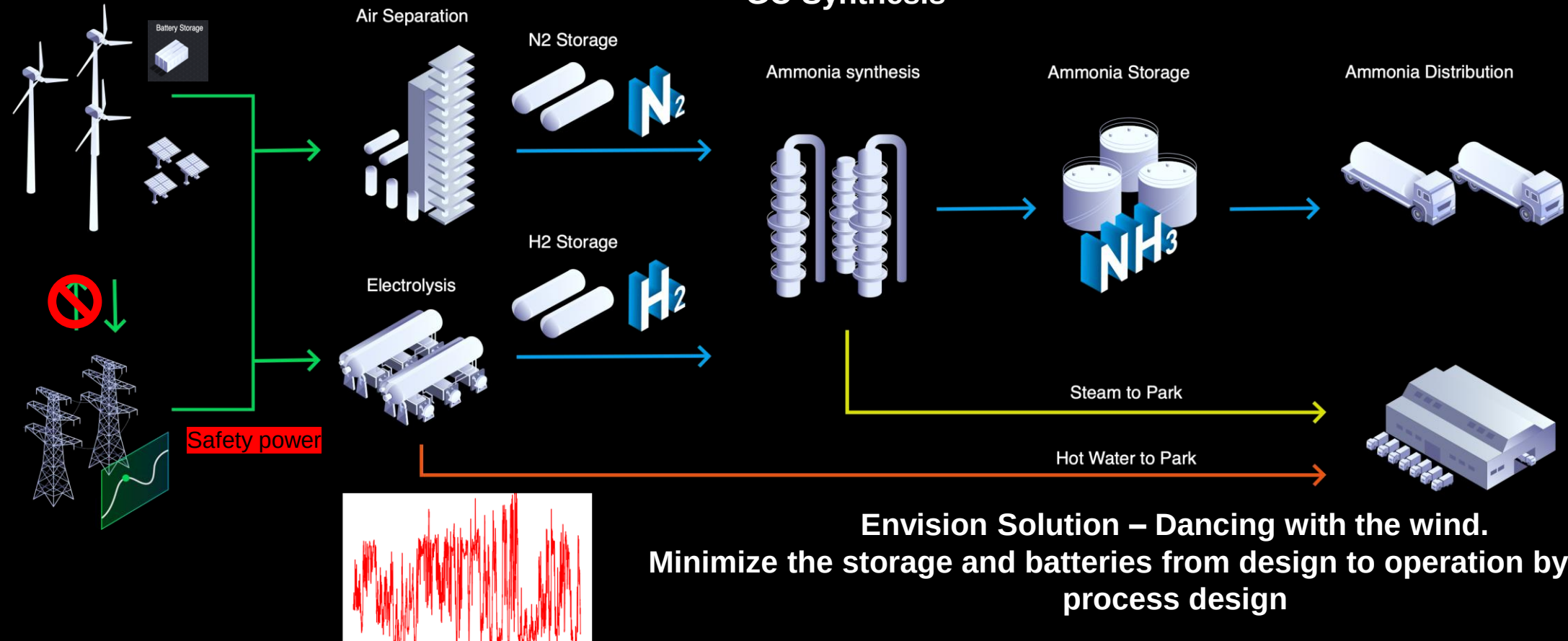




Renewable Power
Wind/Solar



GC-Synthesis



Envision Solution – Dancing with the wind.
Minimize the storage and batteries from design to operation by dynamic process design

Lack of Policy Support Creates Challenges for Green Hydrogen and Ammonia Adoption



- **EU / RED III**

RED III mandates 42% renewable hydrogen in industry by 2030 and 60% by 2035 — yet only 12 of 27 member states have written RFNBO quotas into national law.



- **IMO / NET-ZERO FRAMEWORK**

The IMO Net-Zero Framework targets net-zero shipping emissions by 2050, with 20–30% cuts by 2030 and 70–80% by 2040. Yet it still has not entered into force.

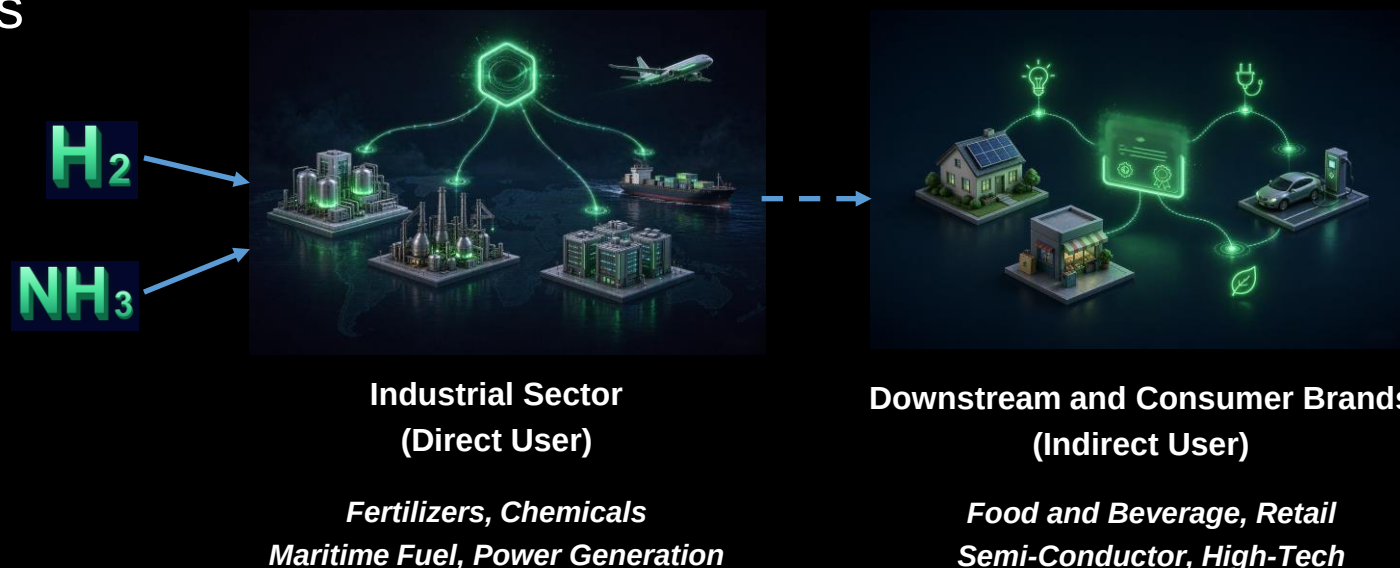


- **CHINA / DUAL CARBON GOALS**

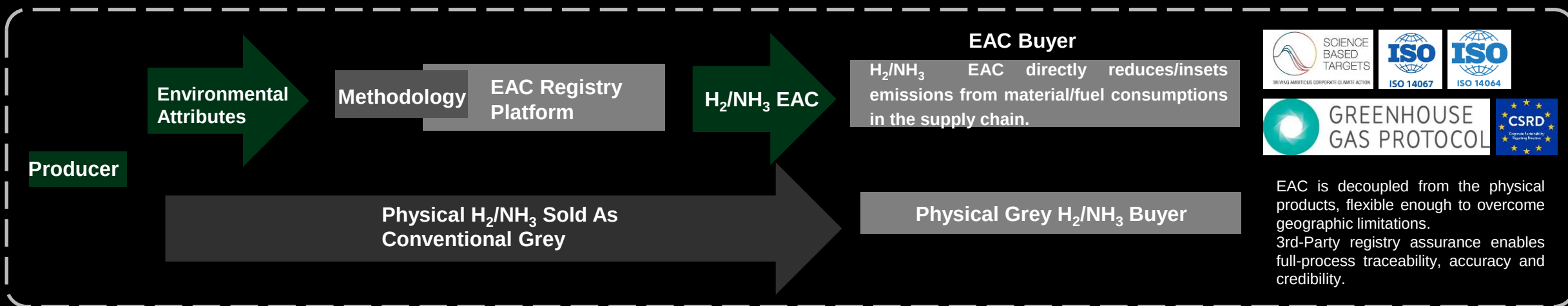
China Emission Allowance (“CEA”) as of today only includes power generation, steel, aluminum, cement. The chemical sector has not yet been included.

Environmental Attribute Certificate (EAC) Book & Claim Lifts Physical Supply Chain Barriers and Holds Greater Market Prospects

EAC is intended to support emerging efforts to reduce Scope 3 emissions by connecting verified low-carbon Hydrogen & ammonia production with downstream direct or indirect demands, before physical supply chains are available at scale.



Mechanism for Decoupling EAC from the Physical Products



Thank you