

Envision Energy-Green Hydrogen and Green Ammonia Business

Presentation in AEA Meeting

Envision Group aspires to solve the challenges for a sustainable future, and create a world of beautiful energy

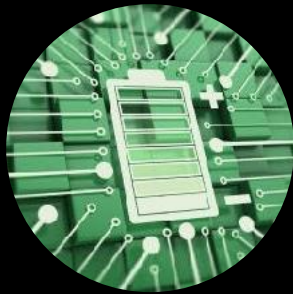
Envision Business



Envision Energy
World's champion on wind turbine and energy storage



Envision Digital
World's largest AIoT operating system EnOS™



Envision AESC
Leading battery supplier with best safety track record

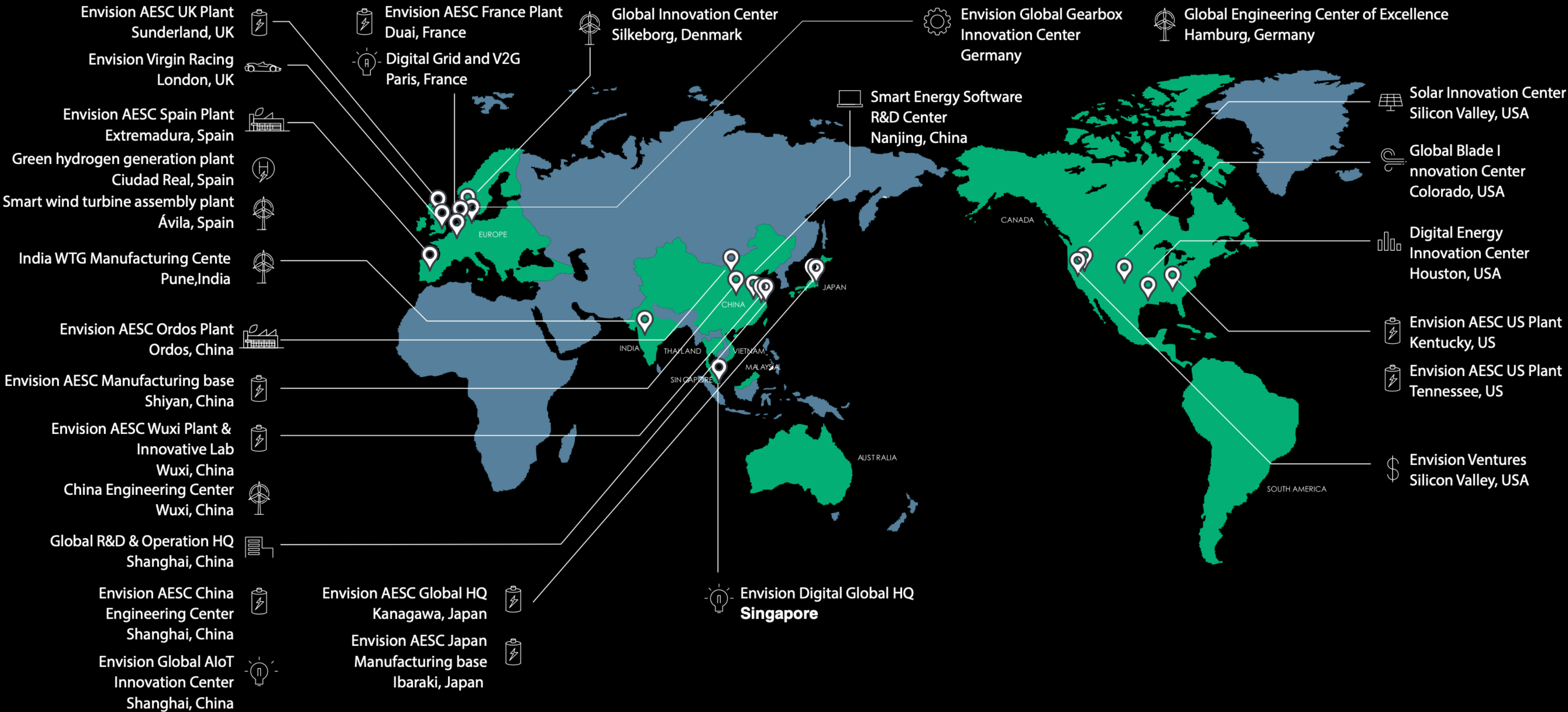


Envision Ventures
Leading global green tech investor



Envision Racing
Top 5 in 2021 Formula E World Championship

Global Innovation & Production





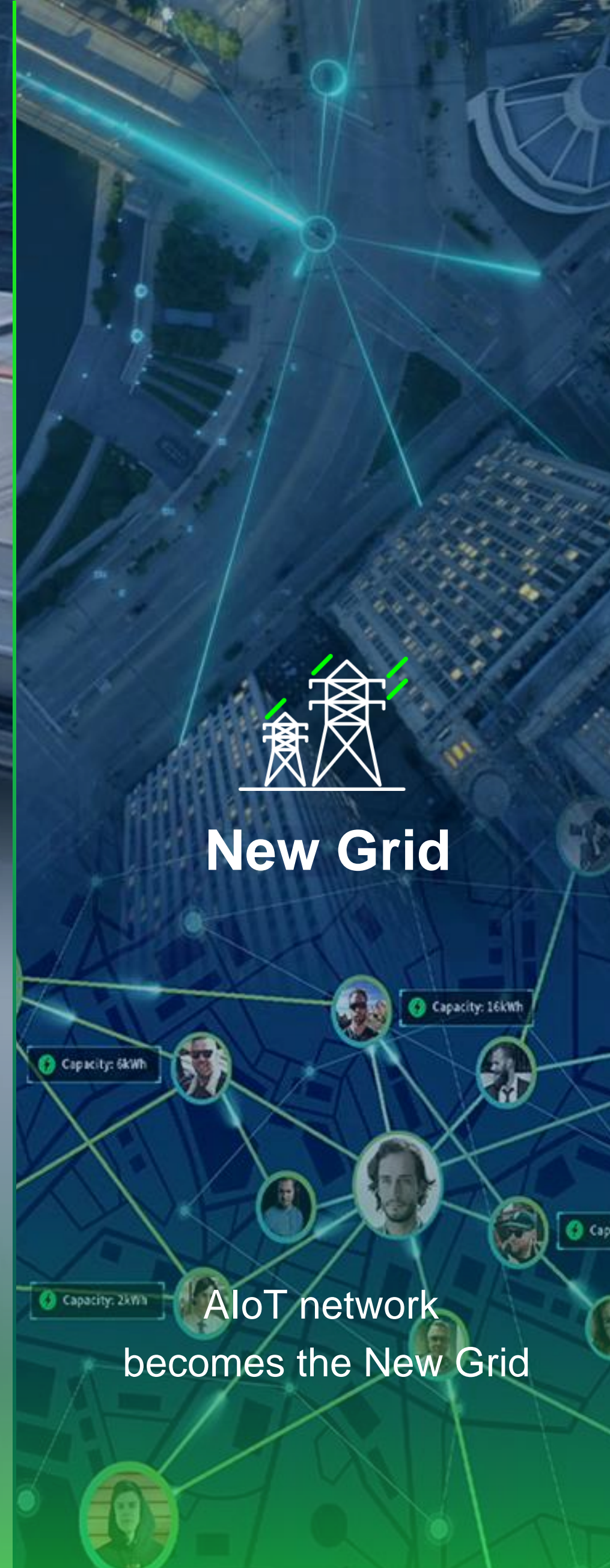
New coal

Wind and solar power
become the New Coal



New Oil

Batteries and hydrogen fuel
become the New Oil



New Grid

AIoT network
becomes the New Grid



New Infrastructure

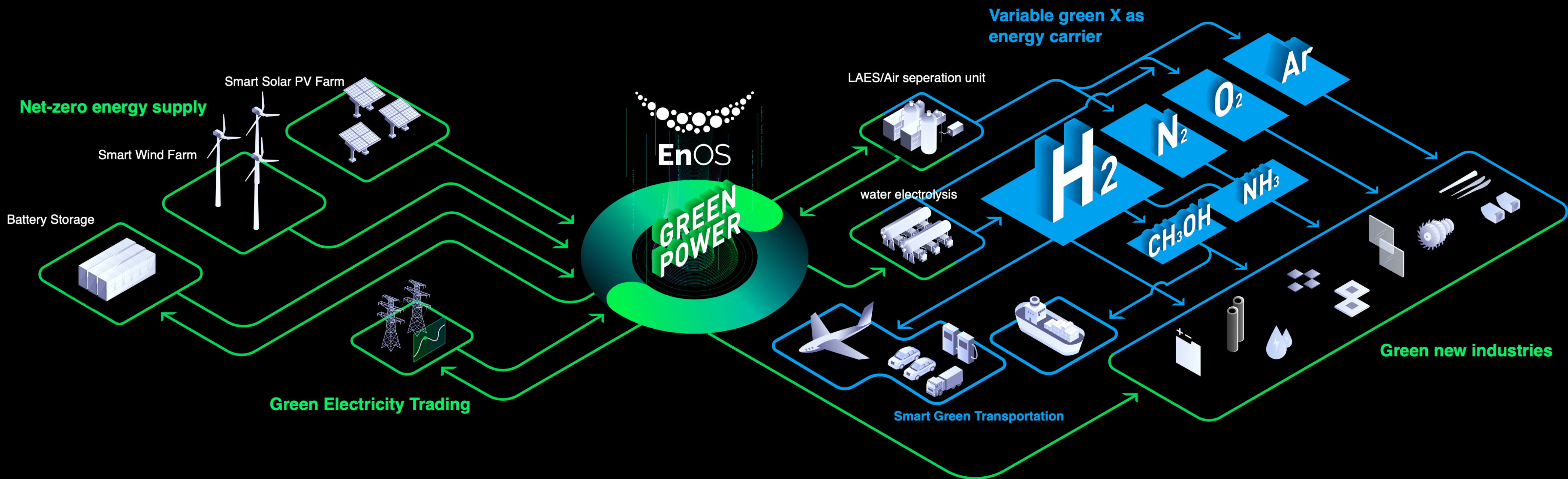
Net-zero Industrial Park
becomes the New
Infrastructure



New Industry

Promote the construction
and cultivation of green
“New Industry”

Provide the Integrated Full Value Chain Solution



Targeting for Decarbonization at Scale



Advanced equip. & system

- Water electrolyzer (AEL, PEM*, AEM*)
- Electrolyzer system (including gas management, cooling system, electrical components, advanced control system etc.)
- Liquid air energy storage system

Note : * not ready for market



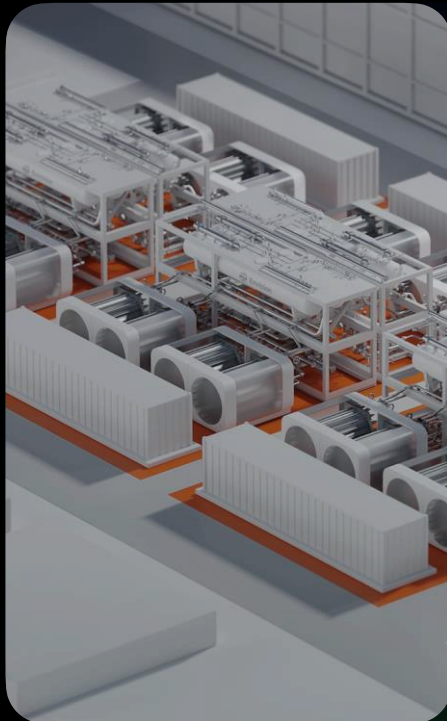
Turn-key Solution for P2X Plants

- Joint working task force with EPC company, provide turn-key solution for P2X projects
- Scope includes green H2, green NH3, LAES, etc.



Operation & Maintenance

- Strong expertise and experience of operation and maintenance of P2X plant



Chemical Process Design Solution

- Process Design Package for Green Hydrogen, Ammonia, Methanol, Methane, Liquid Air Energy System
- Especially for plant requires dynamic behavior to be coupled with renewable energy



Sales & Trading

- Sales and trading of green hydrogen and green ammonia
- Diversified collaboration models



Investment

- Facilitate decarbonization
- Net-zero tech partner and investor
- Value added

Envision Hydrogen

Targeting for decarbonization at scale



Power to Power

- Not one renewable electron should go to waste. Green hydrogen enables renewable energy to be accessed by anyone at anytime.



Power to Mobility

- Hydrogen fueling stations for fuel cell-powered buses, cars, trains, forklifts, trucks and other vehicles.



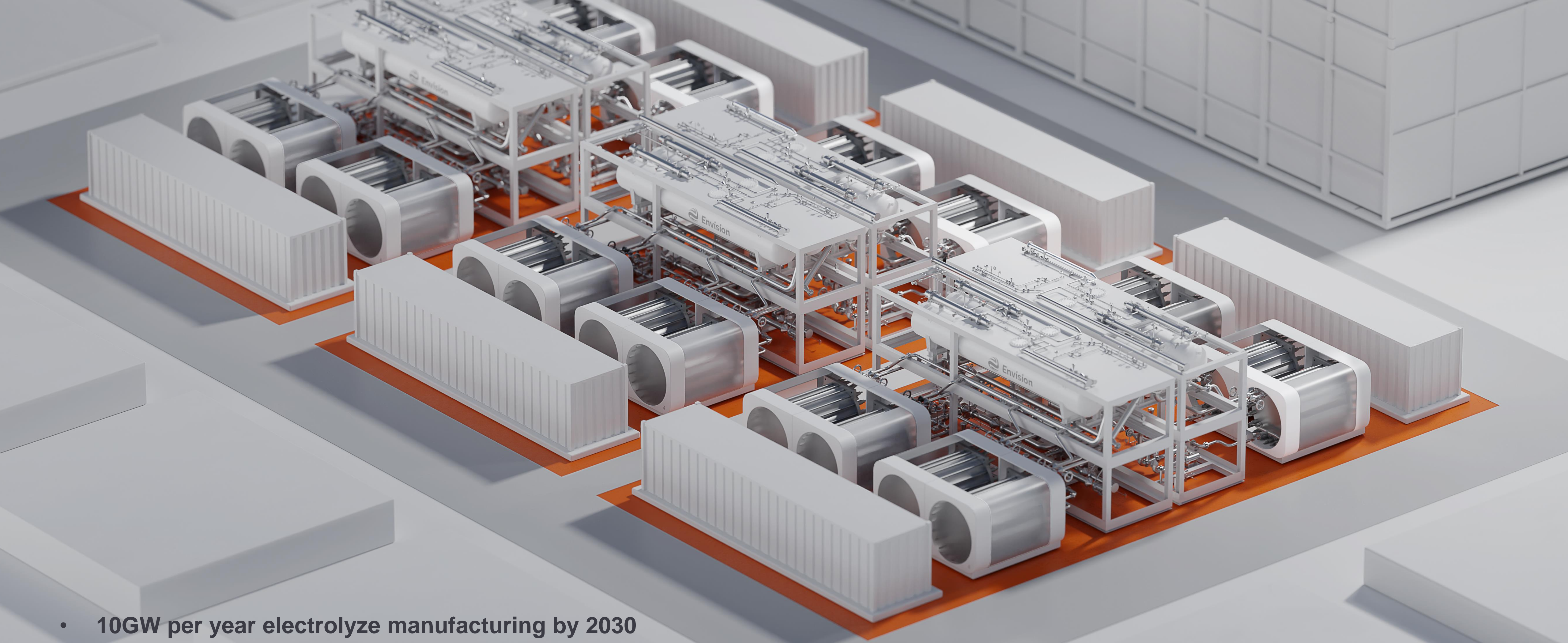
Power to Gas

- Blending green hydrogen into existing natural gas pipelines is a simple solution to decarbonizing heating of buildings.
- Produce atmosphere by renewable power.

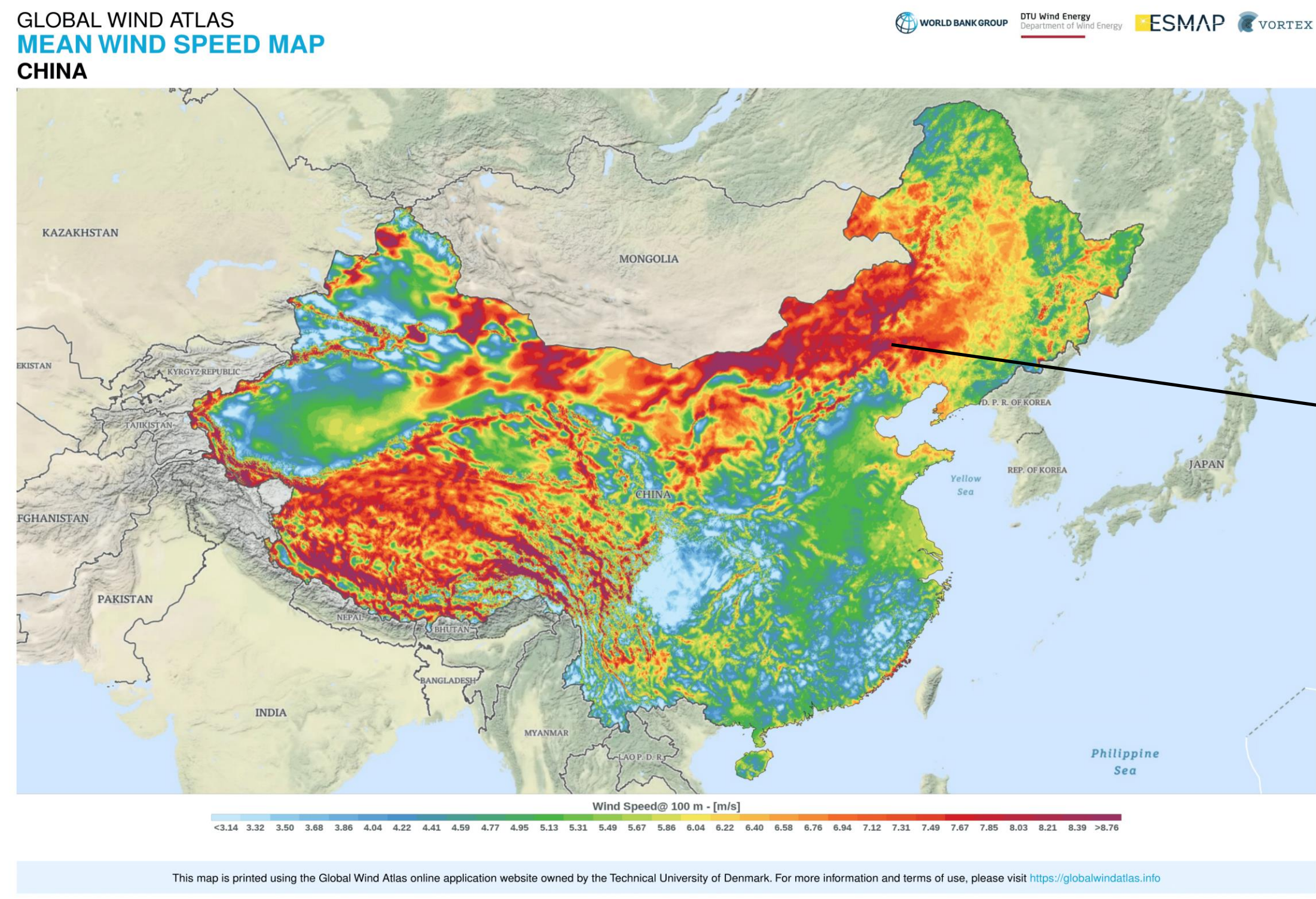


Power to X

- Refineries and chemical, steel, and fertilizer producers can reduce their carbon footprint with green hydrogen.



- 10GW per year electrolyze manufacturing by 2030
- ALK, PEM and AEM
- Turnkey solution for large scale green hydrogen and green ammonia plant
- To the most competitive green hydrogen supplier in the world



Green Hydrogen and Ammonia Project in China

1520_K
1520K ton per year Green Ammonia

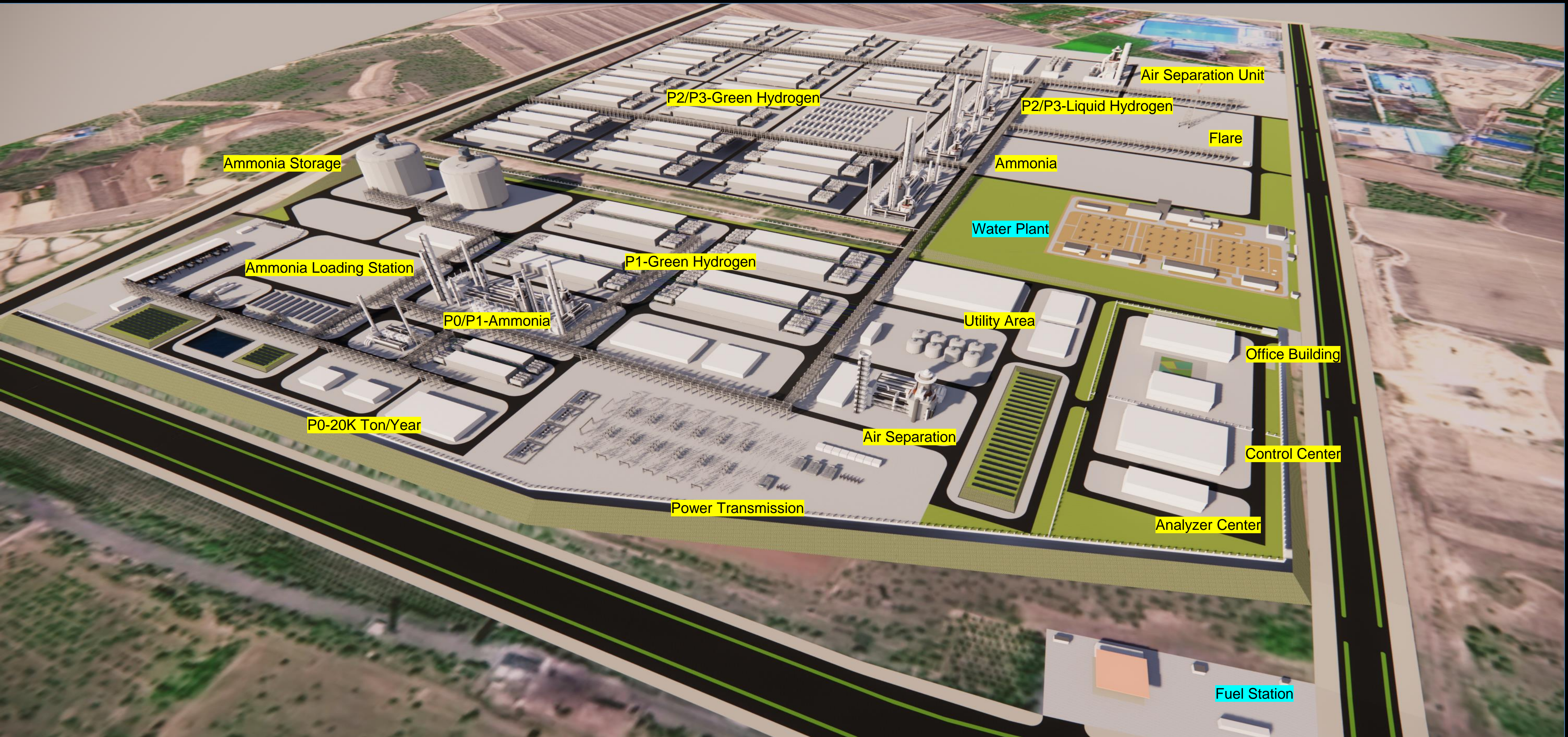
- P0-20K Ton per year green ammonia/Onstream at Sept, 2023
- P1-300K Ton per year green ammonia/Onstream at Dec, 2024
- P2-300K Ton per year
- P3-900K Ton per year
- P2 and P3 will be started per the demand in market.
- Green Methanol is being planned by sourcing bio CO2 locally.

20_K
20K Ton per year Green Liquid Hydrogen

Jingzhou Port

80000M3 ammonia storage vessel and 100000DWT
capability for marine vessel
Onstream at end of 2024

Aerial View of Site-Total Space is around 1500 acre



P0 20K ton per year -Onstream at Sept, 2023
P1 300K ton per year -Onstream at end of 2024
Off grid power supply and dynamic load



Thank You