
Join Eco, Be Energy, and Make Origins

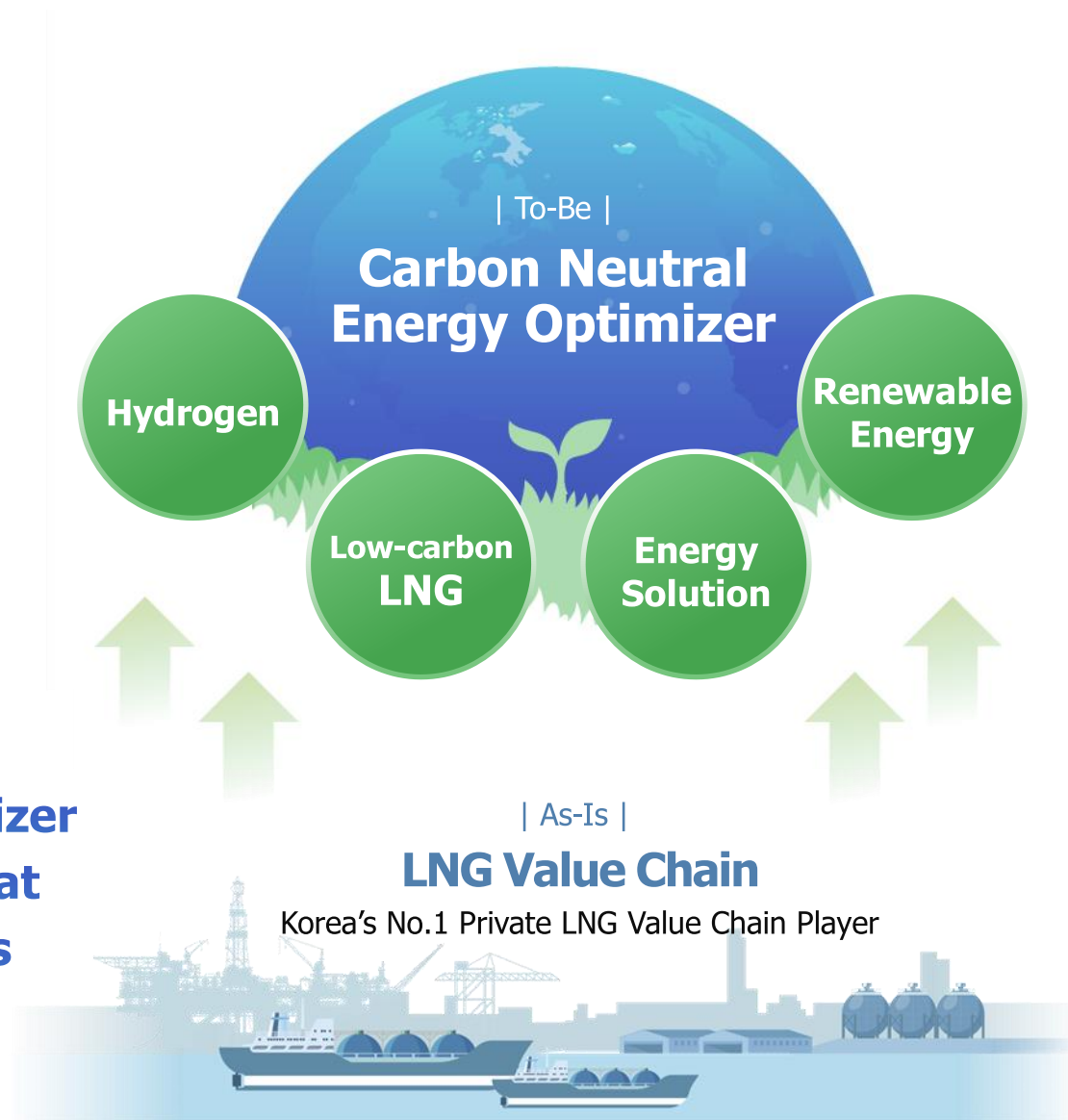
2023 SK E&S COMPANY BRIEF



SK E&S Growth Story

SK E&S has secured its position as the No.1 private LNG provider as the first and the largest non-state-owned company to complete the LNG Value Chain in Korea.

Now, SK E&S is transforming itself into a Carbon Neutral Energy Optimizer offering a Unique Green Portfolio that effectively addresses CO₂ challenges



Company History

Established in 1999, SK E&S completed the integration of LNG Value Chain in 2017. Since 2021, we have been investing in hydrogen, renewable energy and energy solution business as a means to enhance our green portfolio.

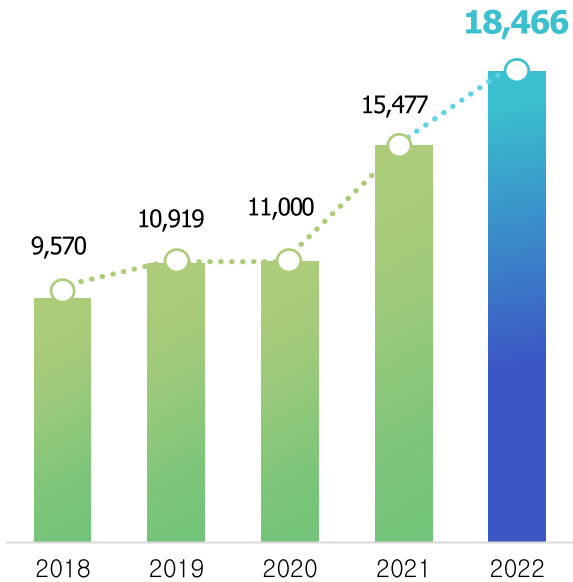


Financial Highlights

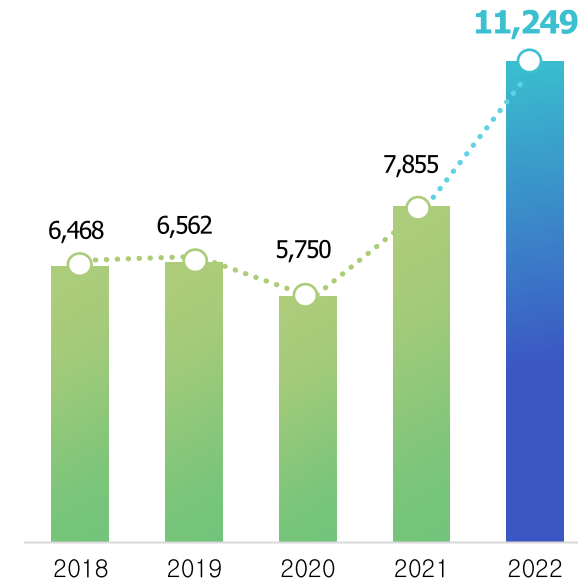
SK E&S has integrated the LNG V/C built on the stable cash flow from the city gas business.

Despite the high volatility of the market, we have optimized our LNG operation and achieved the highest-ever reporting profit of KRW 1.4 trillion in 2022.

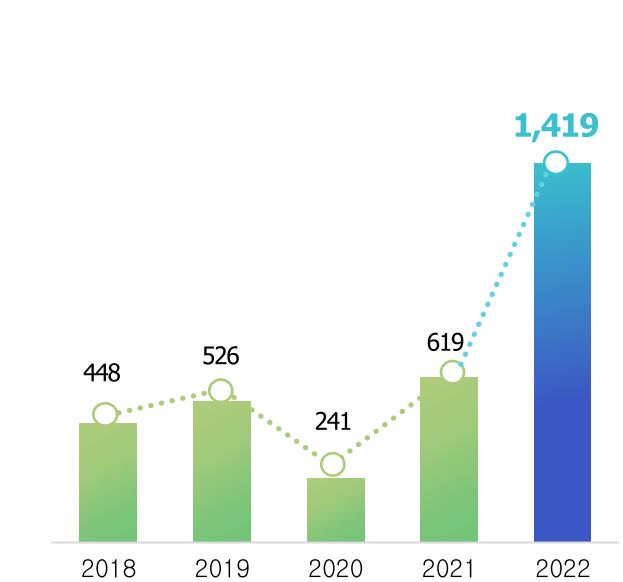
Assets (KRW billion)



Revenue (KRW billion)







Operating Profit (KRW billion)



Business Portfolio

SK E&S takes the lead in the energy transition in Korea and diversifies its business into Green Sectors by leveraging its unparalleled competence in LNG Value Chain.

LNG V/C	Hydrogen	Renewable Energy	Energy Solution	City Gas
				
6.5 Million tons No.1 non-state-owned LNG supplier & Power producer	30,000 tons World's largest liquefied hydrogen provider	4.2 GW Pipeline Swift expansion of solar/wind power pipelines	Ranked 3 rd in Stand-alone Grid ESS in U.S.	4.6M Customers No.1 Market Share
10 Million tons	280,000 tons	8 GW Pipeline	Global Top-tier Energy Solution	Expansion of Green Portfolio
Global Top10 LNG Player	Blue Hydrogen Production Capacity	No.1 Renewable Energy Developer	Grid & Mobility Solution Provider	Using Nationwide Networks

Business Overview | LNG Value Chain

Through the integration of the LNG Value Chain from upstream to downstream, SK E&S generates stable profits and enhances its operational flexibility.



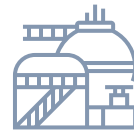
Upstream



Gas Field (Natural Gas Production)

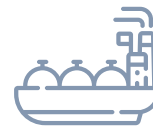
- Woodford
- Caldita-Barossa

Midstream



Liquefaction Plant

- Freeport
- Darwin



Transportation

- 4 LNG Carriers



Receiving Terminal

- Boryeong
- Zhoushan
- Ganyu

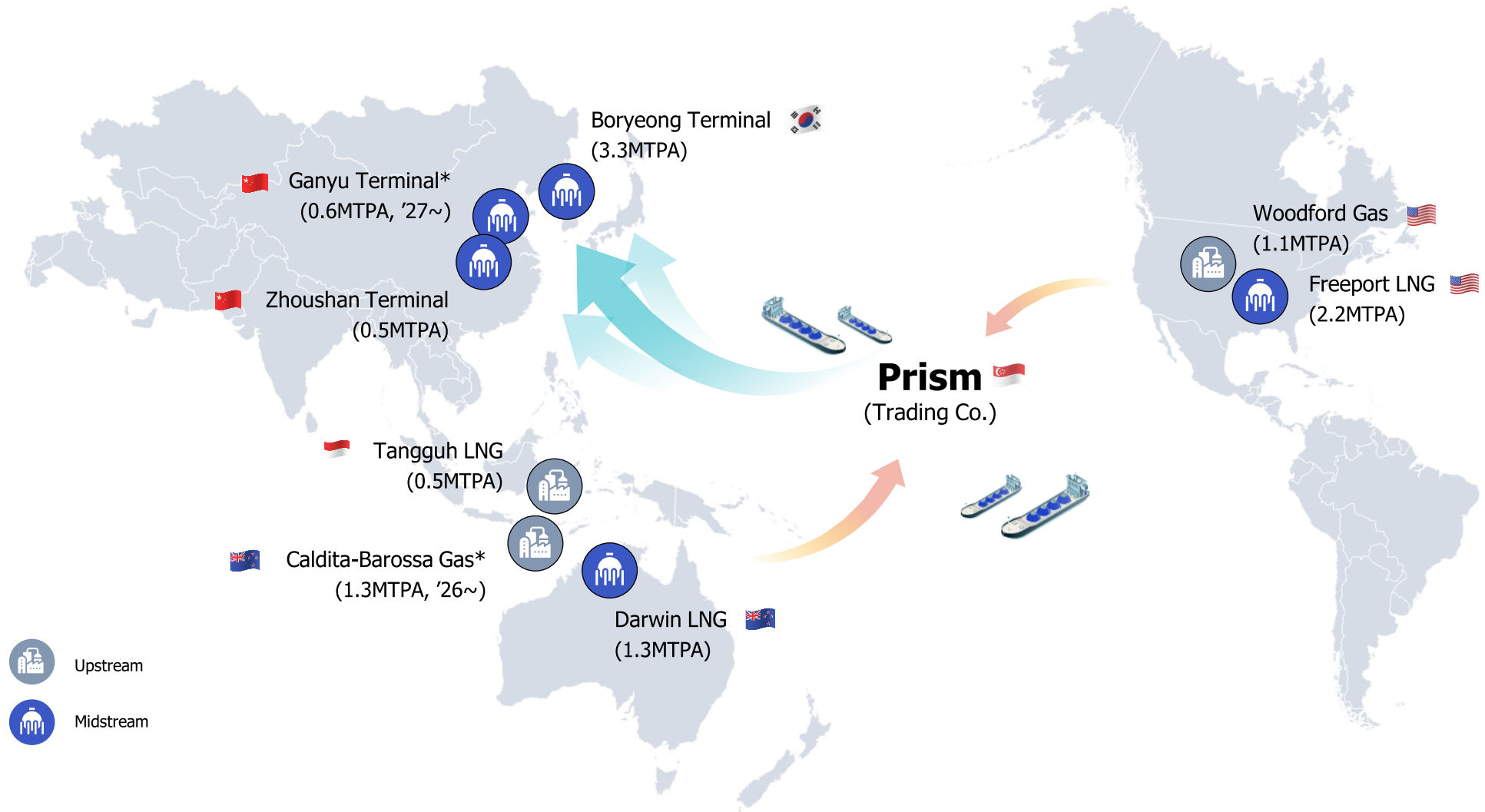
Downstream



Power Plant & Industrial Plant

- LNG Power Plant (Paju, Gwangyang, Yeosu)
- Combined Heat & Power Plant (Hanam, Wiryu)
- Industrial Plant

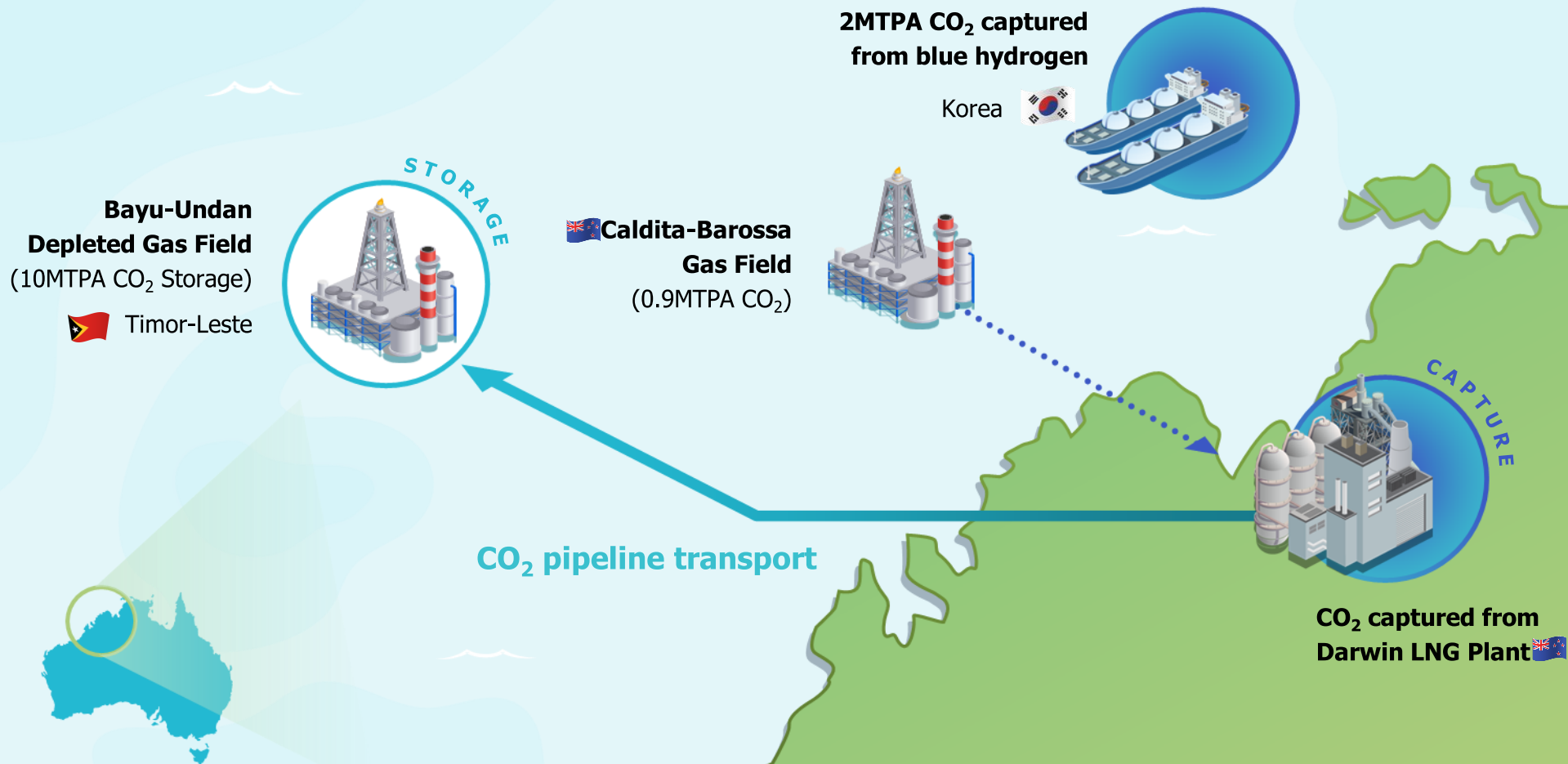
Business Overview | LNG Value Chain



* Under construction

Business Overview | LNG Value Chain (CCS)

SK E&S is advancing its green transformation in its LNG business and building a blue hydrogen ecosystem by leading the Bayu-Undan CCS project.



Business Overview | LNG Value Chain (Downstream)

SK E&S operates power plants with a total capacity of 5.0GW, providing efficient power supply to various regions of Korea. We also deliver heat and electricity to the metropolitan area and its neighboring regions.

LNG Power Plant

Our natural gas power plants have outstanding cost competitiveness

Paju ('17~)
LNG Power Plant
1,823MW



Yeoju ('23~)
LNG Power Plant
1,095MW



Gwangyang ('06~)
LNG Power Plant
1,126MW



The largest IPP* in Korea
5.0GW

LNG Combined Heat & Power(CHP) Plant

Our CHP plants supply heat and electricity nearby the metropolitan area

Hanam ('15~)**
LNG CHP Plant
399MW



Wirye ('17~)
LNG CHP Plant
450MW



Busan Jungkwan Energy ('08~)**
LNG CHP Plant
100MW

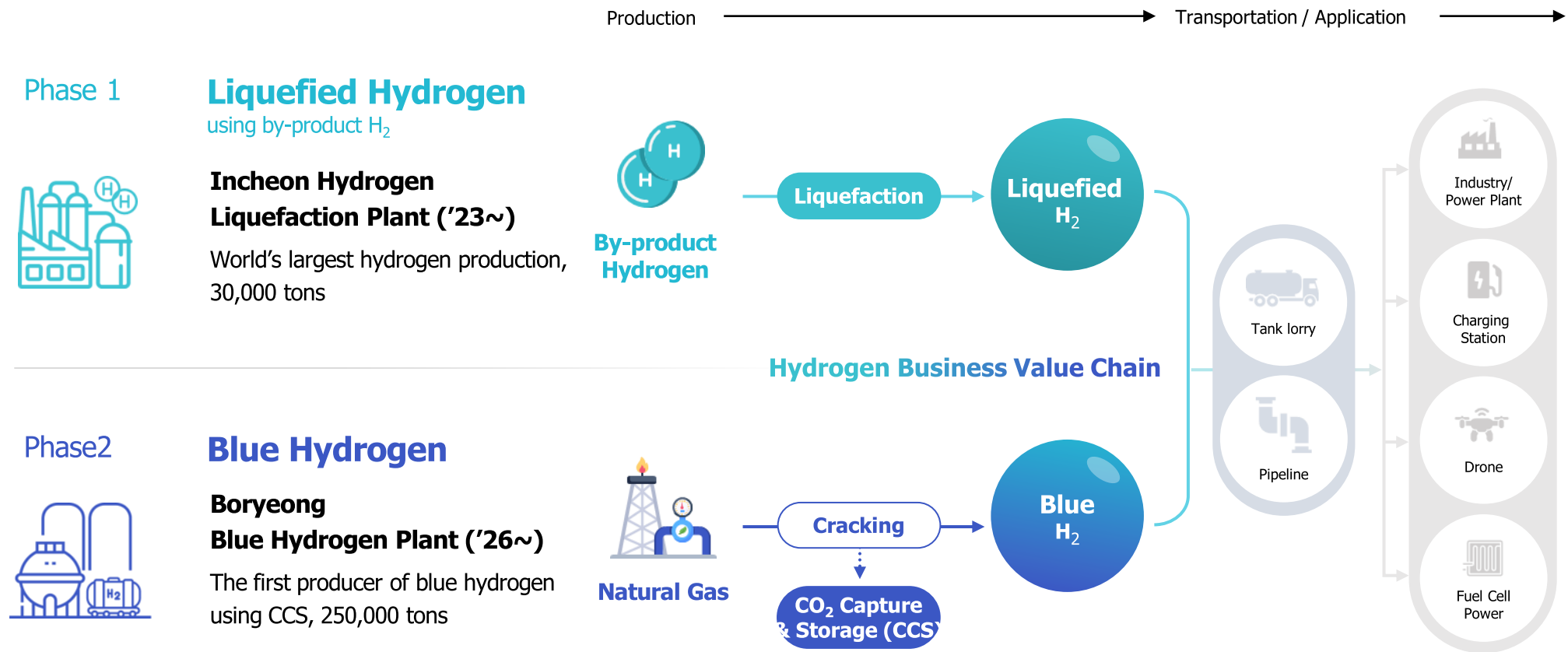


* Independent Power Plant

** Power plant using fuel from KOGAS. Others use directly imported LNG

Business Overview | Hydrogen (production)

SK E&S will capitalize on our competence in the integrated LNG V/C to lead the development of the hydrogen ecosystem in Korea, including the construction of the world's largest hydrogen production plant.



Business Overview | Hydrogen (application)

SK E&S has formed a joint venture with Plug Power, a leading company in the hydrogen business, to promote the sales and solutions of hydrogen applications (fuel cell, electrolyzer, etc.) in Korea and Asia, based on its top-tier technology.

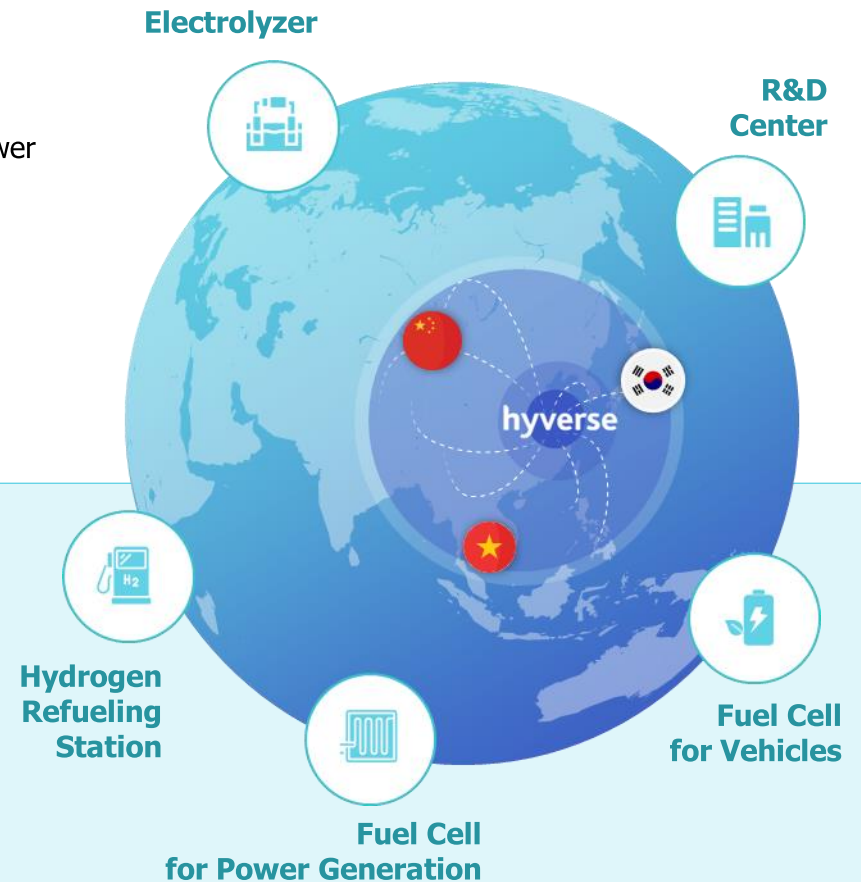


In January 2022, SK E&S established SK Plug Hyverse, a joint venture with Plug Power



Targeting the Asian market

- **Mass production of hydrogen applications** aiming at 2025
- Supplying electrolyzers and hydrogen fuel cells to the **domestic and Asian markets**





Join Eco, Be Energy, and Make Origins

As a responsible member of the ecosystem, we are committed to providing a more reliable source of eco-friendly energy. We will assist our customers in utilizing this energy more effectively.

Furthermore, we will step up as a global leader who will constantly generate new possibilities through relentless efforts in the green energy industry.

