



International Partnership
for Hydrogen and Fuel Cells
in the Economy

China Update

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Santiago, Chile

China Hydrogen Energy Development Report (2025)

National Energy Administration

2025/04/28

Content

- ✓The development of hydrogen energy at home and abroad in 2024
- ✓The outlook for the development of China's hydrogen energy industry in 2025
- ✓Major events



China Hydrogen Energy Development Report (2025)

2024 Overview

In 2024, annual production and consumption of hydrogen energy exceed **36.5 million tons**, ranking 1st in the world.

Hydrogen Policy

By the end of 2024, more than 560 hydrogen energy special policies are released nationwide.

Hydrogen Production

By the end of 2024, the production capacity of renewable energy hydrogen production has exceeded **120,000 tons**.

Hydrogen Application

By the end of 2024, more than 540 hydrogen refueling stations, more than 24,000 fuel cell vehicles.

Hydrogen Standard

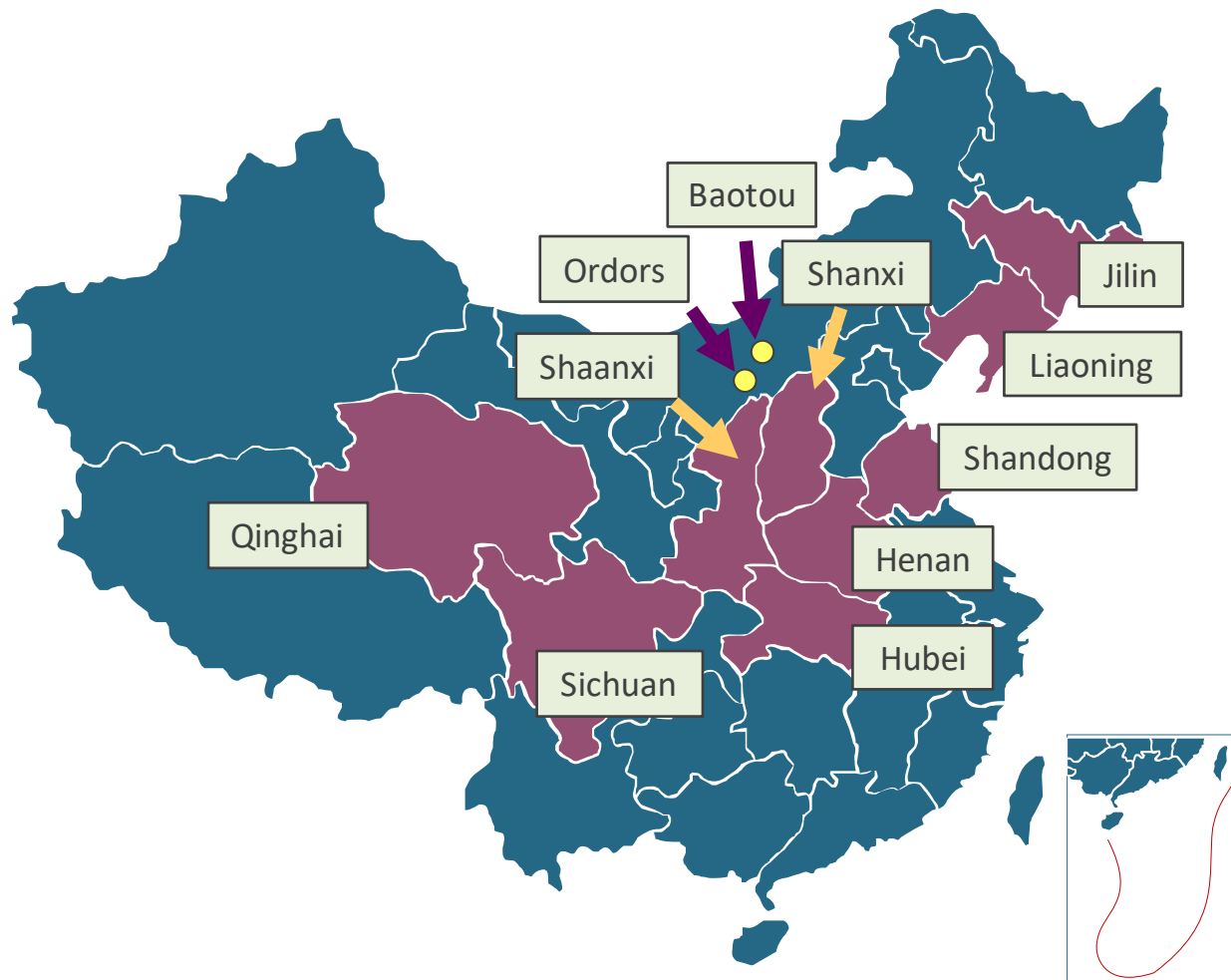
By the end of 2024, ~130 national standards, ~46 industry standards.

China Hydrogen Energy Development Report (2025)

2025 Prospect

- Strengthen the policy coordination, implement the energy management system and mechanism.
- Promote the core technology research, break the bottleneck of hydrogen energy conversion application.
- Improve the public service system, consolidate the support for industrial development quality.
- Promote the hydrogen energy pilot work, accelerate the transformation and implementation of scientific and technological achievements.
- Carry out international market exploration, promote the exchange and cooperation in resource markets.

Provincial Policies - Toll Free for FCVs



Province (City)	Duration
Shandong	2024/3 – 2026/2
Inner Mongolia (Ordos)	2024/6 – 2026/5
Shanxi (Lvliang)	2024/7 – 2026/6
Shaanxi	2024/9 – 2027/8
Jilin	2024/9 – 2026/8
Hubei	3 years
Sichuan	3 years
Qinghai	2024/12 – 2026/12
Inner Mongolia (Baotou)	2025/1 – 2026/12
Henan	2025/1 – 2025/12
Liaoning	2025/5 – 2028/5
Shanxi	2025/6 – 2027/5

Demonstration - Hydrogen Vehicle Ten Thousand Miles Tour

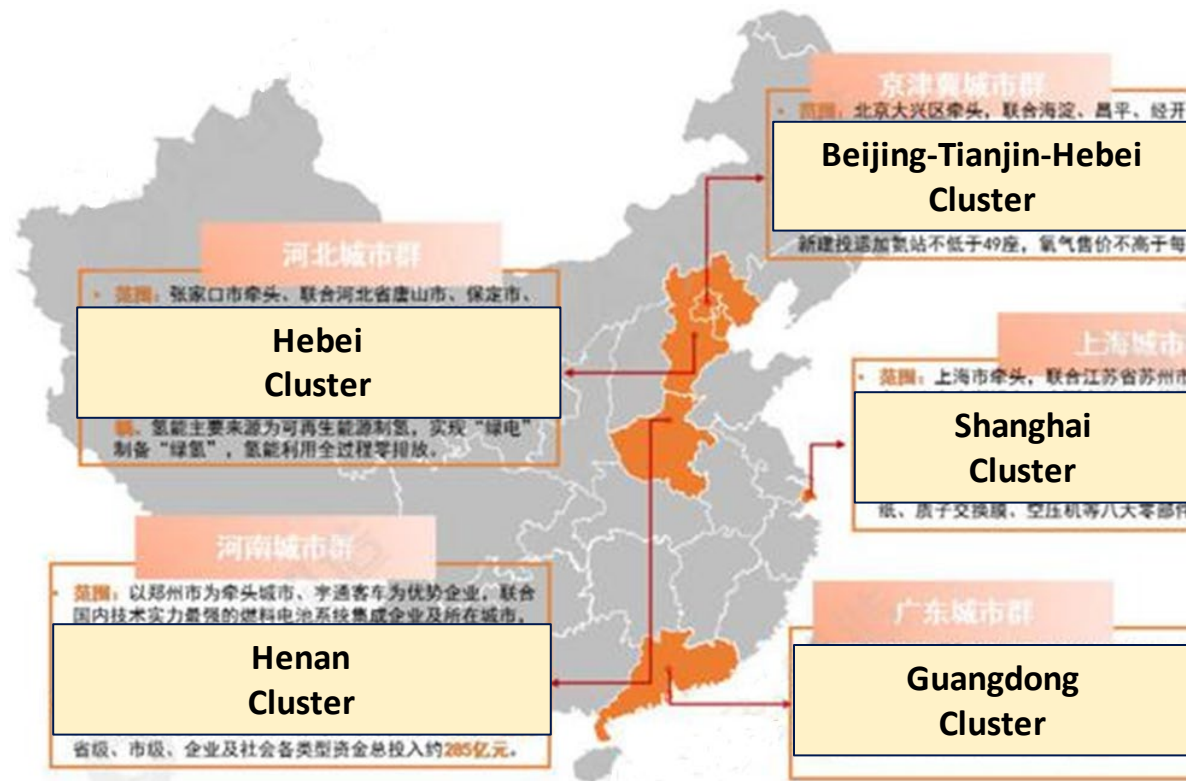
2025/5, the Fuel Cell Vehicle Demonstration and Application Support Office of China Automotive Technology Research Centre

No.	Line name	Round trip mileage (km)
1	Shandong-Henan Hydrogen High-Speed Dedicated Line	1400
2	Beijing-Tianjin-Hebei Material distribution line	500
3	Henan Urban Agglomeration High Speed Logistics Network	600
4	Hubei-Henan Container Transport	1020
5	Greater Bay Area Light cold chain logistics	1160
6	Tianjin-Hebei Steel Transportation Route	1400
7	Yining (Xinjiang) Online Ride Hailing Operation	300
8	Western Land-Sea New Corridor	2300
9	Chengdu-Chongqing Hydrogen Corridor Demonstration Line	600
10	Shenyang-Dalian Hydrogen Energy Expressway Corridor	720
11	Surrounding Hangzhou Bay Hydrogen Energy Expressway	800
12	Shaanxi-Shanxi Heavy Truck Cross Provincial Round-Trip	800
13	Wuhan-Yichang Expressway Demonstration Line	1080
14	Beijing Hydrogen Bus Demonstration Line	160
15	Inner Mongolia Coal Green Transportation	260
	Total	13100



Funds for the Demonstration and Application of FCVs

Five Demonstration and Application city clusters of FCVs



Support Funds by Ministry of Finance

Year	Issued time	Fund (yuan)	Major Cities, Fund (yuan)
1	2024/4/23	1.14 B	Shanghai, 303.66M
			Beijing, 297.86M
			Zhengzhou (Henan), 203.50M
2	2024/11/14	1.63 B	Tangshan (Hebei), 398.30M
			Shanghai, 313.49M
			Zhengzhou (Henan), 263.68M
3	2025/4/21	2.34 B	Tangshan (Hebei), 478.87M
			Beijing, 450.06M
			Shanghai, 419.41M

Thank you



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