



## Country Update China (Fall 2017)

### ➤ **New Policy Initiatives on Hydrogen and Fuel Cell**

- On April 6, 2017, MIIT/NDRC/MoST jointly announced the national Mid-to-long Development Plan of Auto Industry. According to this plan, by 2020, the annual sales/production target of new energy vehicles (NEVs) is expected to reach 2M units, and the NEV sales/production is expected to account for 20% of total auto sales/production by 2025. The RD&D of fuel cell vehicle was one of the key task.
- On September 5, 2017, Shanghai Municipal Government released Shanghai Development Plan on Fuel Cell Vehicle. Shanghai is set to build 5-10 hydrogen refueling stations and launch 3,000 vehicles, including fuel cell buses and logistics vehicles, by 2020. Within timeframe 2025 Shanghai plans to have 20,000 fuel cell vehicles in deployment, along with 50 hydrogen refueling stations.



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### ➤ **Demonstration and Deployments Update**

- Beijing SinoHytec Co. built an automatic production line of hydrogen fuel cell engines in Zhangjiakou city, Hebei province. Zhangjiakou and Beijing will co-host the Winter Olympics in 2022 and by then, SinoHytec will build a comprehensive system for using hydrogen as a fuel in Zhangjiakou and construct an expressway with hydrogen refueling stations for vehicles between the two cities.
  
- UNDP/GEF FCB commercialization demonstration project was launched in Nanhai District, Foshan City on September 7. It is reported that more than 100 fuel cell vehicles will be involved in the demonstration. A new hydrogen refueling station, named Ruihui Hydrogen Refueling Station was officially opened in Nanhai on that day.





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### ➤ **Demonstration and Deployments Update**

- A hydrogen fuel cell powered tram was put into commercial operation in Tangshan, North China's Hebei province, Oct 26, 2017. The tram was developed by China Railway Rolling Corporation (CRRC) Tangshan Co Ltd. It operates on a 136-year-old railway in Tangshan city, one of China's earliest industrial cities, and links several of its industrial heritage sites.
- On October 30, a 70MPa hydrogen refuelling station was opened in Toyota Motor Engineering & Manufacturing (China) Co., Ltd. in Changshu, Jiangsu province. Toyota will begin related tests of its FCEV MIRAI in China.
- By October 30, 2017, there are 7 HRSs and several H2 refuelling facilities in operation, and more than 20 stations are in plan or under construction.





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### ➤ Events

- On November 9-10, 2017, the 2nd International Fuel Cell Vehicle Congress was held in Rugao, Jiangsu province. This congress was organized by SAE-China and International Hydrogen Fuel Cell Association (IHFCFA). More than 700 delegates attended this congress, and the FCVs from Toyota, Honda, Hyundai, SAIC were shown on this congress.
- IHFCFA is in preparatory stage. As of October 1, 2017, IHFCFA has 43 initiative members. The aim of IHFCFA is bringing together all technologies and resources to accelerate FCV and hydrogen infrastructure commercialization and sustainable development in China.  
(<http://www.ihfca.org.cn/>)



28th IPHE Steering Committee Meeting The Hague, Netherlands, November 21, 2017





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### ➤ **Government Funding**

- The Ministry of Science and Technology (MoST) of China has announced a call for proposal for the 2018 fund for "New energy vehicles" National Key R&D Program in October 2017, in which the funding for FCV RD&D is approximately 150 million RMB.