

Market Research on Hydrogen Fuel Cell Vehicle in China 2017-2022

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Abstracts

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In the global fuel cell vehicle industry, Japan, South Korea, Europe and the US are in the lead. In 2016, breakthrough has been achieved in the commercialization of hydrogen fuel cell vehicles, register of which accounted for over 23 million, rising by more than 200% compared to the amount in 2015 and taking a small percentage in the sales of new energy vehicles. And most hydrogen fuel cell vehicles sold in 2016 are made by Toyota.

So far, China has developed more than 200 fuel cell vehicle of variety of kinds and conduct demonstration operation during different time periods. According to related statistics, only ten fuel cell vehicles were produced and qualified with certificates. Research and manufacturing companies of fuel cell vehicles are Zhengzhou Yutong Bus Co., Ltd. and SAIC Motor Corporation Limited.

In China, there are several hydrogen stations, but without long-term planning. Most stations are built for grand matches. Fuel cell stacks are the power source of fuel cells, as well as the most important part, which costs about 60% of the total cost. Markets of fuel cells include stationary power sources, transport and portable power sources, in which transport is the field paid the greatest attention to.

Although there exist several unfavorable factors for the fuel cell vehicle industry in China, they are transferring to better directions. According to statistics published by Society of Automotive Engineers of China (SAE-China), in 2030, fuel cell vehicles will account for nearly a million. In Technology Roadmap for Energy Saving and New Energy Vehicles published by SAE-China in 2016, it is brought out that hydrogen fuel

cell vehicles will be developed from demonstration operation to mass application from 2020 to 2030.

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