

수소경제 활성화 및 산업육성 정책에 관한 연구

김창중^{1,2,†}

¹수소융합얼라이언스추진단; ²한국가스안전공사

(kimcj2009@h2korea.or.kr[†])

In 2019, Korea government announced "H2 Economy Roadmap of Korea". In the roadmap, there is a vision to become the world's Top-Class country in Hydrogen Economy. Before the announcement, many people did not know about hydrogen economy. But it became the momentum, people are interest in hydrogen energy. This roadmap includes three strategies, Preparation, Expansion and Leadership. Until 2040, For vehicle, we have a target to disseminate 6.2 million cars, and 1,200 HRS. For fuel cell power generation, we are targeting 15GW.

In Korea, there are three potentials and advantages for hydrogen industry. First one is we have world best fuel cell technology. This technology can help other industry grow up. Secondly, we have global size petrochemical plant to produce hydrogen gas. From these plants we can get hydrogen gas and supply to all location. It is easy and convenient. Finally, we have a lot of natural gas pipelines. It is about 4,200km. It can cover whole land of our country.

Now, it is pivotal moment we need to consider and build up the government policy for development of hydrogen economy and industry in Korea.