



Three hydrogen pilot cities in Korea

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Date: January 2, 2019

Introduction

In October 2019, the Korean Ministry of Land, Infrastructure and Transport (MOLIT) announced that by the end of the year it would select three cities, which will set up several hydrogen pilot projects. On December 30, these cities were announced: Ansan, Ulsan and Jeonju/Wanju. Other than these three cities, MOLIT additionally selected Samcheok as a hydrogen R&D city.

Three cities

Now that the cities have been announced, the Korean government will prepare a plan and basic design including concrete hydrogen city projects in the first half of this year. In the second half of the year, the Korean government plans to start the construction of pipelines and complete the construction of the hydrogen pilot cities. The government will support roughly EUR 11 million until 2022. Samcheok, selected as a hydrogen R&D specialized city, will serve as a demonstration city for the development of localized hydrogen town infrastructure technology.

Ansan (one hour South of Seoul) will become an eco-friendly city by linking tidal power generation to hydrogen production and install three hydrogen charging stations to operate two hydrogen buses and ten hydrogen forklifts. In addition, a manufacturing innovation entrepreneurship town will be established and 232 homes will be supplied with hydrogen.

Ulsan (one of the centers of Korea's (petro)chemical industry) will build a pipeline network to utilize by-product hydrogen, generated in petrochemical complexes, for buildings and charging stations in the city center based on accumulated experience in hydrogen town, which has been operating since 2013. It decided to build a hydrogen city in connection with local specialized industries such as demonstration project for hydrogen fueling for ships.

Wanju (about two hours South of Seoul) is expected to achieve synergy by acting as a regional hydrogen production and supply base; and Jeonju (just 10km from Wanju) will serve as a hydrogen utilization and publicity city. In the transportation sector, hydrogen-electric buses will be introduced in the second half of 2020 by utilizing the bus route between Wanju and Jeonju, and hydrogen-electric buses will be used for shuttle buses and city tour buses in Jeonju Hanok Village.

Sources and more information (all in Korean):

(Overall) <https://www.yna.co.kr/view/AKR20191229012000003?input=1195m>

(Ansan) <http://www.kyeonggi.com/news/articleView.html?idxno=2220110>

(Ulsan) <http://www.electimes.com/article.php?aid=1577673048192199097>

(Wanju/Jeonju) <https://www.nocutnews.co.kr/news/5265284>

(Wanju/Jeonju) http://www.pressian.com/news/article/?no=271750&utm_source=naver&utm_medium=search