

Air Liquide will open the first hydrogen station* in Kawasaki

Air Liquide Japan announces that it will open a hydrogen station in Kawasaki City, Kanagawa Prefecture, aiming to complete construction in March 2018 and open in April 2018.

The station will be **the first one ever built in Kawasaki City except a mobile one**, subsidized by METI (Ministry of Economy, Trade and Industry of Japan), as well as municipal government of Kanagawa Prefecture. Kanagawa Prefecture and Kawasaki City are active on dissemination of hydrogen energy. Located adjacent to one of Air Liquide Japan's production site, Kawasaki Oxyton, between Tokyo and Kanagawa, the new station is expected to become one of the important places for development of hydrogen mobility including fuel cell buses in the area.

Kawasaki station's main components including compressor, storage tanks, precooler are **neatly organized into a package**. The **proprietary solution** will help reduce construction time and costs, as a model station for further development in installation of hydrogen stations. This station allow hydrogen-powered electric vehicles to recharge in three minutes. Hydrogen is an alternative to fossil fuels in addressing the challenge posed by clean transportation and also helps to improve air quality.

Air Liquide masters the entire hydrogen supply chain, from production to storage and from distribution to the development of applications for end users thus contributing to the widespread use of hydrogen as a clean energy source, for mobility in particular.

By the end of 2017, the Group will have installed nearby 100 hydrogen stations around the world. In Japan, five stations (in Aichi as JV with Toyota Tsusho, Saga, Fukuoka, and Hyogo) are operated by Air Liquide. Air Liquide co-chairs with Toyota Motor the "[Hydrogen Council](#)", first-of-its-kind global CEO initiative to foster the role of hydrogen technologies in the global energy transition.

*except a mobile station already installed in the city

Air Liquide in Japan

Established in 1907 in Japan, Air Liquide now serves 15,000 customers across the country, particularly in Electronics, thanks to its 2,000 employees. The Group also has a Research and Technology Centre in Tsukuba (near Tokyo) and an Engineering center in Kobe. Japan serves as a technology & research base for Air Liquide in Asia and beyond.

Hydrogen, a clean energy

Used in a fuel cell, hydrogen combines with oxygen from the air to produce electricity while releasing only water. Hydrogen can be produced from diverse sources of energy, including natural gas, but also from many renewable energy sources. This makes hydrogen one of the solutions for the supply of clean energy, while its storage capacity offers a guarantee of supply safety.

Blue Hydrogen

With Blue Hydrogen, Air Liquide is firmly moving towards a gradual decarbonization of its hydrogen production dedicated to energy applications. In practical terms, Air Liquide has made a commitment to produce at least 50% of the hydrogen necessary to these applications through carbon-free processes by 2020, by combining:

- the use of renewable energies, water electrolysis, and biogas reforming,
- the use of technologies for the capture and upgrading of carbon emitted during the process of producing hydrogen from natural gas.

Even when it is produced from natural gas, hydrogen is a virtuous energy: for equal distance traveled, hydrogen cars allow to reduce GHG emissions by at least 20% compared with internal combustion vehicles.

CONTACTS

Air Liquide Japan Communications

Shun Toyoyama

+81 3 6414 6728

The world leader in gases, technologies and services for Industry and Health, Air Liquide is present in 80 countries with approximately 65,000 employees and serves more than 3 million customers and patients. Oxygen, nitrogen and hydrogen are essential small molecules for life, matter and energy. They embody Air Liquide's scientific territory and have been at the core of the company's activities since its creation in 1902.

Air Liquide's ambition is to lead its industry, deliver long term performance and contribute to sustainability. The company's customer-centric transformation strategy aims at profitable growth over the long term. It relies on operational excellence, selective investments, open innovation and a network organization implemented by the Group worldwide. Through the commitment and inventiveness of its people, Air Liquide leverages energy and environment transition, changes in healthcare and digitization, and delivers greater value to all its stakeholders.

Air Liquide's revenue amounted to €18.1 billion in 2016 and its solutions that protect life and the environment represented more than 40% of sales. Air Liquide is listed on the Euronext Paris stock exchange (compartment A) and belongs to the CAC 40, EURO STOXX 50 and FTSE4Good indexes.