

Air Liquide opens Gamagori Hydrogen Station, first-ever hydrogen station to open inside a Resort Complex facility in Japan

On April 22, Air Liquide Japan Ltd. is opening a station inside a Resort Complex facility, “Laguna Ten Bosch” in Gamagori City, Aichi Prefecture. This is the first time that a hydrogen station is opening within a Resort facility. This presence will contribute to meet increasing demand for hydrogen powered vehicles in the Higashi-Mikawa region, as well as to raise awareness on hydrogen as a key solution for the energy transition, in particular for clean mobility, and contribute to its recognition in society.

The Gamagori Hydrogen Station is the first Air Liquide station to be deployed in the frame of the Japan Hydrogen Mobility (JHyM) national consortium. It is also the third station deployed by Air Liquide in Aichi prefecture, following the two stations already in operation at Nagoya Atsuta and Toyota Interchange Hydrogen Stations.

“Laguna Ten Bosch” is an integrated Resort facility that overlooks the picturesque Mikawa Bay. With over 2.9 million visitors per year, it is one of the largest Resort facilities in the Aichi Prefecture and the largest in the Higashi-Mikawa region. “Laguna Ten Bosch” is located along the national highways Routes 23 and 247, both of which are the region’s main trunk roads.

While several permanent hydrogen stations have already been installed along trunk roads such as the national highway Route 1 which connects the cities of Nagoya and Okazaki, Gamagori Hydrogen Station is near both Okazaki and Toyohashi, offering heightened convenience to the region’s existing users. The station is also within sight of “Laguna Ten Bosch”’s many visitors, raising awareness of hydrogen powered vehicles and hydrogen stations, which we hope to bring mainstream awareness to this technology.

Gamagori Hydrogen Station has been installed with a packaged system that combines a compressor and hydrogen storage, based on Air Liquide’s standards. In applying this system, Air Liquide can build the station in a very limited time frame at a reduced cost.

In addition, the design of our hydrogen stations ensures safety for visitors to the facility.

Air Liquide's commitment to hydrogen energy

In the past 50 years, Air Liquide has developed unique expertise enabling it to master the entire hydrogen supply chain, from production and storage to distribution and the development of applications for end users, thus contributing to the widespread use of hydrogen as a clean energy source, for mobility in particular. Air Liquide has designed and installed more than 120 stations around the world to date. Hydrogen is an alternative to meet the challenge of clean transportation and thus contributes to the improvement of air quality. Used in a fuel cell, hydrogen combines with oxygen in the air to produce electricity, emitting only water. It does not generate any pollution at the point of use: zero greenhouse gases, zero particles and zero noise. Hydrogen provides a concrete response to the challenges posed by sustainable mobility and local pollution in urban areas.

Air Liquide

Air Liquide Japan was established in 1907, and as an industry pioneer, have been contributing to the development of Japanese industries for over a decade. With a workforce of 2,000 employees, we supply nitrogen and oxygen to companies in electronics and other industrial fields and are at the service of our clients in problem solving and joint research. Air Liquide Japan is also a leader in developing and providing new medical treatment devices and solutions using IoT, and continue to serve health care providers and patients. In addition to supplying gas for use in hospitals, we are also focusing on the home healthcare field. Air Liquide Group has developed the hydrogen supply chain, and have installed more than 120 hydrogen stations around the world. In addition to building stations in Japan, our goal is to become a leading company that encompasses the entire hydrogen energy value chain in Japan. We will continue to contribute toward the development of our customers and society at large, through providing innovative solutions with our industry-leading innovations and technologies at its core.

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A world leader in gases, technologies and services for Industry and Health, Air Liquide is present in 80 countries with approximately 66,000 employees and serves more than 3.6 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 be a leader in 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 21 billion euros in 2018 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.

Attachments:



Air Liquide Gamagori Hydrogen Station:

Name	Air Liquide Gamagori Hydrogen Station
Location	2-2, Kaiyo-cho, Gamagori, Aichi Prefecture
Site area	1,142m ²
H ₂ supply method	off-site
H ₂ supply capacity	more than 300 Nm ³ /h
Filling pressure	82 MPa
Refueling time	about 3 minutes
Opening hours	11: 30-19: 00 (closed on Thursdays)