

Air Liquide launches oxygen combustion technology for sustainable glass production at Toyo Glass

Air Liquide Japan will support Toyo Glass Co's Chiba Plant with its oxygen combustion technology, to enhance efficiency and reduce emissions at Toyo Glass's facility.

Air Liquide Japan will provide oxygen, related equipment and services to Toyo Glass Co's Chiba Plant, supporting its adoption of oxygen combustion technology. This initiative is part of Toyo Glass's commitment to sustainability and involves upgrading one of the glass melting furnaces at its Chiba Plant to reduce its environmental impact. This marks the first introduction of oxygen combustion technology in Japan for a large-scale container glass melting furnace. The installation of the oxygen supply unit will coincide with the scheduled start-up of the new melting furnace.

Air Liquide is a leader in oxygen combustion technology for glass manufacturing, offering comprehensive and innovative solutions that support customers on their decarbonisation journey, helping them enhance combustion efficiency, and reduce carbon emissions. On top of oxygen combustion technology, supplying oxygen through onsite production contributes to the customer's needs such as energy saving and lower CO₂ emissions.

Koji Makihara, President and CEO, Air Liquide Japan stated: "Air Liquide is dedicated to addressing its customers' challenges with a proven global technology portfolio tailored to the specific industrial sector. We are very pleased that Toyo Glass has chosen Air Liquide's oxygen combustion technology for their glass melting operations, demonstrating how this innovative solution can help streamline their production, and reduce carbon footprint."

Air Liquide in Japan

Air Liquide has been present in Japan since 1907, and has been contributing to the development of Japanese industries for over 100 years. Supported by a highly-skilled workforce of approximately 2,000 employees, The Group supplies key molecules to companies in electronics and other industrial fields, collaborating with our clients in problem solving and joint research.

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Air Liquide is a world leader in gases, technologies and services for industry and healthcare. Present in 60 countries with 66,300 employees, the Group serves more than 4 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 Group's activities since its creation in 1902.

Taking action today while preparing the future is at the heart of Air Liquide's strategy. With ADVANCE, its strategic plan for 2025, Air Liquide is targeting a global performance, combining financial and extra-financial dimensions. Positioned on new markets, the Group benefits from major assets such as its business model combining resilience and strength, its ability to innovate and its technological expertise. The Group develops solutions contributing to climate and the energy transition—particularly with hydrogen—and takes action to progress in areas of healthcare, digital and high technologies.

Air Liquide's revenue amounted to more than 27.5 billion euros in 2023. Air Liquide is listed on the Euronext Paris stock exchange (compartment A) and belongs to the CAC 40, CAC 40 ESG, EURO STOXX 50, FTSE4Good and DJSI Europe indexes.