

WestAir and Nikkiso to build multi-use hydrogen fuel station designed to deliver near-zero boil-off losses

Long Beach, Calif. July 15, 2025 – Nikkiso Clean Energy & Industrial Gases Group (Nikkiso CE&IG) and WestAir have announced today that they are building a hybrid hydrogen trailer and fueling station designed to reduce boil-off gas losses close to zero.

While hydrogen fueling stations have been built across the world – including more than 35 by Nikkiso CE&IG – the project in Long Beach, California being led by independent gas distributor WestAir and Nikkiso CE&IG will both fuel vehicles directly via an H35 dispenser and also fill trailers for onward distribution.

Hydrogen is well known to have significant potential for clean energy use, but as the lightest molecule with a high escape rate, boil-off during storage has a significant impact. By combining hydrogen dispensing and trailer loading – plus a boil-off gas compressor – the station is designed to bring boil-off gas losses close to zero.

Alongside the ability to upgrade the station to higher-pressure H70 fueling in future, the investment generates further momentum behind southern California's growing hydrogen economy by adding to the number of liquid-based distribution points – essential in supporting emerging hydrogen technologies and infrastructure growth throughout the region.

Mike Mackey, President of Fueling Solutions at Nikkiso CE&IG, said: "Nikkiso CE&IG has a tradition of innovation going back decades, including in the engineering and installation of liquid hydrogen fueling stations.

"Alongside WestAir, we're proud that this record of innovation will continue as together we become one of the first to offer this level of flexibility in a hydrogen fueling station. We're delighted to be partnering with WestAir and looking forward to combining our end-to-end expertise with their commitment to this emerging industry."

Chris Castiglione, Energy Specialist at WestAir Gases & Equipment, said: "We are thrilled to be partnering with Nikkiso, a global leader in pumps, systems, and precision equipment manufacturing, on our new hydrogen fueling station in Long Beach.

"Strategically located near the Port, this facility is ideally positioned to support zero-emission road freight throughout California. This station represents a crucial step in our commitment to building a clean transit future and making hydrogen-powered transportation a practical reality for the commercial sector."

Fabrication of the Long Beach station will be carried out by Nikkiso CE&IG specialists based in southern California. Commissioning work on site will start in Q4 2025, with the station expected to be fully operational by Q1 2026.

About the Facility:

- Hydrogen Dispensing: 350 Bar (H35) for transit buses. Future expansion ready to 700 bar (H70)
 - Storage Capacity: LH2 storage tank with advanced insulation system
 - Fueling Capabilities
 - Transit bus filling at 350 bar
 - Tube trailer filling for Hydrogen distribution
 - Multiple simultaneous filling operations
 - Compression System: Redundant cryogenic pumps with buffer storage
 - Loading Bays: Dual loading bays for tube trailers (500 bar)
 - Control System: Advanced automation for safe, efficient operations
 - Flow Rate: Up to 120 kg/hour at 500 bar
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About Nikkiso Clean Energy & Industrial Gases Group

The Nikkiso Clean Energy & Industrial Gases Group is a leading provider of cryogenic equipment and solutions around the world, meeting the changing market demand for lower-carbon energy and industrial gases with innovative products and collaborative solutions. We fuel the future of the energy, transportation, marine, aerospace and industrial gas markets.

The Group employs more than 1,800 people in more than 20 countries and is headed by Cryogenic Industries, Inc., which is a wholly owned subsidiary of [Nikkiso Co., Ltd.](#) (TSE: 6376).

To learn more about Nikkiso CE&IG visit [NikkisoCEIG.com](#).

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About WestAir Gases & Equipment

WestAir Gases & Equipment is an industrial and specialty gas distributor based in San Diego, California, serving the western United States since 1970. With multiple locations across California and Arizona, they provide industrial, medical, and specialty gases—including nitrogen, oxygen, argon, and custom-blended mixtures—along with related equipment and supplies to manufacturing, healthcare, food and beverage, and research sectors. The company offers both cylinder gases and bulk delivery systems, complemented by comprehensive technical support and safety training to ensure proper gas storage and handling practices for their customers.

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