

Press Information

October 1, 2024

Ammonia Fuel Supply System of CE&IG Group acquired Approval in principle (AiP) by ABS

Nikkiso Clean Energy & Industrial Gases Group ("CE&IG Group"), part of Nikkiso Co. Ltd.'s Industrial division, announced that a new ammonia fuel supply system acquired an approval in principle (AiP) by American Bureau of Shipping (ABS).

The ammonia fuel supply system features high efficiency pumps and an integrated fuel management system and can be installed in marine applications such as merchant ships. It is designed under the principles of redundancy, enhanced reliability, and robustness with the highest safety standards for mitigating leakages and slippages.



Caption: In photo (from left) is Vassilios Kroustallis, ABS Senior Vice President, Global Business Development; Konstantinos Fakiolas, Nikkiso CE&IG Head of Marine; Patrick Ryan, ABS Senior Vice President and Chief Technology Officer; and Joseph Pak, Nikkiso CE&IG President of Energy Infrastructure and Strategic Projects.

In July 2023, the International Maritime Organization (IMO) adopted "2023 IMO Strategy on Reduction of GHG Emissions from Ships" at Marine Environment Protection Committee (MEPC 80), and revised the "IMO GHG Strategy" adopted in 2018 to an enhanced target to reach net-zero GHG emissions from international shipping by close to 2050. With the enhanced target, there is great interest in GHG emissions from fuels used on ships, ammonia with no CO₂ emission during combustion is highly expected as one of the leading alternative fuels in the energy transition of maritime industry.

CE&IG Group has delivered many fuel gas supply systems for LNG-fueled ships in international market, and accumulated technologies and expertise for supply systems for ships. CE&IG Group will contribute decarbonization of maritime industry through a development and offering the ammonia fuel supply system which acquired AiP.

Nikkiso Group will support the entire supply chain of ammonia, from production, storage, and transportation to consumption, with pumps that customers can use safely and without leaks, thereby contributing GHG emissions.

About Nikkiso Clean Energy & Industrial Gases Group

The Nikkiso Clean Energy & Industrial Gases Group is a leading provider of cryogenic equipment, technologies and applications for clean energy and industrial gas market segments. The Group employs more than 1,700 people in 22 countries and is headed by Cryogenic Industries, Inc. in Southern California, U.S., which is a wholly owned subsidiary of Nikkiso Co., Ltd. (TSE: 6376).

About Nikkiso

Since its establishment in 1953, Nikkiso has contributed to solving social issues by anticipating the changing times with world-first and Japan-first technologies and products. In the industrial business, Nikkiso has created new markets by developing products in the energy field, hemodialysis-related products in the medical business, and CFRP (carbon fiber reinforced plastic) aerostructures in the aerospace business.

Company Name:	NIKKISO CO., LTD.
Head Office:	YebisuGardenPlaceTower22nd Floor,4-20-3,Ebisu,Shibuya-ku,Tokyo 150-6022, Japan
Date of Establishment:	December 26, 1953
President & CEO:	Toshihiko Kai
Business Overview:	Nikkiso provides specialized pumps and systems in the Industrial Business, CFRP (carbon fiber reinforced plastic) aircraft parts in the Aerospace Business and hemodialysis related products in the Medical Business.
URL:	https://www.nikkiso.com/

For inquiries, please contact:

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