

Press Information

December 24, 2021

Participation in NEDO's "Green Innovation Fund Project / Development Project for Next-generation Aircraft" ~Development of pumps for hydrogen aircraft~

Nikkiso Co., LTD. announced that we were selected as a subcontractor to develop pumps for liquid hydrogen on November 5, 2021 from Kawasaki Heavy Industries, Ltd. ("KHI"), which had been selected as the prospective implementer of the "Hydrogen-powered Aircraft Core Technology Development" ("this project") under the "Green Innovation Fund Project* / Development Project for Next-Generation Aircraft" publicly announced by the New Energy and Industrial Technology Development Organization ("NEDO").

This project consists of three research areas: "Hydrogen Aircraft Engine Combustor and System Technology Development," "Liquid hydrogen fuel storage tank development," and "Hydrogen-aircraft Architecture Concept Research". In the "Hydrogen Aircraft Engine Combustor and System Technology Development" area, we, as a subcontractor of KHI, will be responsible for the development and design of a compact, lightweight, safe and reliable pump for liquid hydrogen.

Through its participation in this project, we will contribute to the innovation of Japan's aircraft industry and the development of elemental technologies necessary for the realization of next-generation aircraft. In addition, by incorporating the cutting-edge technologies acquired through its participation in this project, We will further strengthen its own elemental and practical technologies for liquid hydrogen pumps, and accelerate their market development in a wide range of fields such as mobility, power generation, transportation and distribution.

* A fund that provides support for a 10-year period, covering everything from research and development to verification testing and deployment in society, for companies and other organizations working to address business challenges with the aim of helping Japan achieve carbon neutrality by 2050. Fourteen fields are eligible for support, including energy-related industries (which include hydrogen and ammonia fuel production), the transport and manufacturing industries, and home- and office-related industries.

<Disclosure of NEDO (Only available in Japanese) >
https://www.nedo.go.jp/koubo/EF3_100171.html

<Nikkiso Corporate Profile>

Company name : NIKKISO CO., LTD.
Head Office: Yebisu Garden Place Tower 22nd Floor, 20-3, Ebisu 4-Chome, Shibuya-ku, Tokyo 150-6022, Japan
Establishment: December 26, 1953
President & CEO: Toshihiko Kai
Business Overview: Since Nikkiso was founded in 1953, Nikkiso has been a pioneer in creating and continuing to drive the market for industrial special pumps and their system products, CFRP aircraft components, and medical equipment for dialysis and healthcare products. Nikkiso's products, which are born from original concepts and sophisticated technologies, demonstrate their power under harsh and socially valuable environments in which "in the unlikely event" is unacceptable, and are highly regarded by our customers. We at Nikkiso will continue to refine our technological capabilities and enhance our manufacturing capabilities to meet the expectations of our customers that Nikkiso can do so and that we can only do it with Nikkiso, and to meet the demands of society.

URL: [https://www.nikkiso.com/\(Link\)](https://www.nikkiso.com/(Link))

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