

Notice Regarding Selection as Rapidus IIM-1 Gas Supplier

Taiyo Nippon Sanso Corporation (“TNSC,” President Kenji Nagata), a Japanese industrial gas company in Nippon Sanso Holdings Group, has been selected by Rapidus Corporation (“Rapidus,” President and CEO Atsuyoshi Koike) as the architect and builder for IIM(*1)-1 gas-related facility work for a pilot line in a next-generation semiconductor plant being newly constructed in Chitose, Hokkaido, and as the supplier of bulk gases(*2) for use with IIM-1 for the pilot line.

Going forward, TNSC will install gas-related equipment and conduct construction work as well as establish the TNSC Chitose Gas Center (tentative name) within the plant, and supply high quality gases.

Rapidus, which has received investment from eight major Japanese companies(*3) with the aim of mass producing next-generation semiconductors, is seeking to build a base for mass production of the most advanced, 2-nanometer semiconductors indispensable for next-generation industries such as automated driving and AI. Rapidus plans to launch a pilot line in 2025 and a mass-production line in the late 2020s.

TNSC will contribute to the development of the semiconductor industry by taking part in this project to mass produce next-generation semiconductors, as well as aims to expand business and raise corporate value for TNSC.

*1 Innovative Integration for Manufacturing

*2 Nitrogen gas, oxygen gas, argon gas, carbon dioxide gas, helium gas, hydrogen gas

*3 Kioxia Corporation, Sony Group Corporation, SoftBank Corp., DENSO CORPORATION, TOYOTA MOTOR CORPORATION, NEC Corporation, NIPPON TELEGRAPH AND TELEPHONE CORPORATION, MUFG Bank, Ltd.

Construction Overview

- (1) Construction Name: Rapidus IIM-1 Pilot Line Gas-Related Equipment Construction
- (2) Construction Site: 758 Bibi, Chitose-shi, Hokkaido
- (3) Client: Rapidus Corporation
- (4) Architect: TNSC
- (5) Builder: TNSC
- (6) Construction Period: July 2024 to May 2026 (scheduled)

Bulk Gas Supply Overview

- (1) Supply Method: Build the TNSC Chitose Gas Center (tentative name) within the Rapidus plant, install various types of gas production equipment and liquefied gas storage tanks, and supply high quality gases.
- (2) Client: Rapidus Corporation
- (3) Period: Construction on Chitose Gas Center completed in November 2024 (scheduled)

The Nippon Sanso Holdings Group is the world's fourth-largest supplier of industrial, electronic, and medical gases, operating in four geographic regions - Japan, U.S., Europe and Asia & Oceania - covering over 30 countries and regions. In addition, the Thermos business supplies THERMOS branded products to more than 120 countries worldwide. Since its foundation as Nippon Sanso Ltd. in 1910, the group stands for creating social value through innovative gas solutions that increase industrial productivity, enhance human well-being and contribute to a more sustainable future. With more than 19,000 employees, together, we are "The Gas Professionals" and we all have the same goal: "Making life better through gas technology"

[Company Overview]

Taiyo Nippon Sanso Corporation

Business description: Manufacture and sale of various industrial gases such as oxygen, nitrogen, and argon, LP gas, gas for medical uses, and specialty gases, manufacture and sale of welding equipment and materials, gas-related devices, and, air separation equipment, assembly, processing, inspection of electrical components, and equipment maintenance

Established: October 30, 1910

Incorporated: February 4, 2020

Capital: 1.5 billion yen

Shareholder: Nippon Sanso Holdings Corporation (Investment ratio: 100%)

Revenue: 420.4 billion yen*

*Note: This figure shows the revenue of Japan for Nippon Sanso Holdings Corporation in FYE2023

NIPPON SANSO HOLDINGS Corporation

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