

SPACE COTAN selected for the Space Strategy Fund

Developing ground-based technologies for high-frequency launches

In cooperation with five partner organizations



SPACE COTAN



NEC ネットズ エスアイ



応用気象
エンジニアリング



国立大学法人
室蘭工業大学
MURORAN INSTITUTE OF TECHNOLOGY
真なる探求心から未来の価値づくりを。

Towards the realization of launch site capable of launching multiple types of rockets

Hokkaido, Japan – SPACE COTAN Co., Ltd. (SPACE COTAN), which operates “Hokkaido Spaceport (HOSPO)”, a commercial spaceport open to the private sector in Asia, has been selected for the Space Strategy Fund from the Japanese Government. SPACE COTAN will develop ground-based technologies for high-frequency launches of various launch vehicles.

This project will be carried out in cooperation with IWAYA INC., NEC Networks & System Integration Corporation, Applied Meteorological Engineering Consulting Services Co., Ltd, SHIMIZU CORPORATION, and the MURORAN INSTITUTE OF TECHNOLOGY.

Contributing to enhance the global launch capabilities

The Space Strategy Fund has been established to accelerate and strengthen the achievements of expanding the space market etc. In line with the Space Technology Strategy, which identifies the key areas of focus for Japan's space technology development, the government has earmarked a total of 1 trillion yen over the next decade.

SPACE COTAN aims to enhance global launch capabilities and drive growth in the space industry through the development and verification of ground-based technologies funded by this initiative.

Key Developments

- Standardization of technologies for the interface between launch vehicle and ground system, available for multiple types of rockets
- Management and control technologies of cryogenic fuel, available for multiple types of rockets
- Radio standardization technologies to communicate with multiple types of rockets
- Technologies to predict with high accuracy meteorological conditions such as wind speed, temperature, and clouds with freezing temperatures at the launch site and flight path

Partner Organizations

IWAYA INC.

Representative: Keisuke Iwaya, CEO

Location: 26-12, Oasa-nakamachi, Ebetsu, Hokkaido

Overview:

- Operation of high-altitude manned balloons
- Design and development of pressurised cabins
- Development of life support systems
- Pressurised suit design and development

WEB : <https://iwaya.biz/>



NEC Networks & System Integration Corporation

Representative: Michitaka Ono, President and COO

Location: 3-9-14 Shibaura, Minato-ku, Tokyo

Overview: NEC Networks & System Integration Corporation(NESIC) creates various communications systems and services integrating various equipment, software, networks, and services, as well as brand new cutting-edge/venture technologies for its diverse base of customers, such as companies, telecom carriers, governments, and social infrastructure providers. Furthermore, the company is a comprehensive provider of operating and monitoring, maintenance, and outsourcing services.

WEB: <https://www.nesic.co.jp/index.html>

NEC ネットワークスアイ

Applied Meteorological Engineering Consulting Services Co.,Ltd

Representative: Kei Yasuki, President and CEO

Location: 2-3-1, Komagome, Toshima-ku, Tokyo

Overview:

- Weather and ocean forecast
- Meteorological observation, investigation, analysis and design
- Construction of weather information system
- Sales of weather data

WEB: <https://www.amecs.co.jp/>



SHIMIZU CORPORATION

Representative: Kazuyuki Inoue, President and Representative Director

Location: 2-16-1 Kyobashi, Chuo-ku, Tokyo

Overview:

- Contracting for building, civil engineering, machinery and other construction works
- Research, planning, study, evaluation, diagnosis, soil analysis, surveying, design, supervision, management and consulting in connection with construction works

WEB: <https://www.shimz.co.jp/en/>



MURORAN INSTITUTE OF TECHNOLOGY

Representative: Mizushi Matsuda, President

Location: 27-1 Mizumoto-cho, Muroran, Hokkaido

Overview: Muroran Institute of Technology will take advantage of the rich natural environment of Muroran renowned as a city of innovative manufacturing, offer comprehensive science and technology education, and at the same time, engage in creative scientific and technological research considering the balance between humanity, society and nature, and contribute as a stronghold for the development of local and international knowledge in order to develop a well-rounded society in the future.

WEB: <https://muroran-it.ac.jp/>



Statements

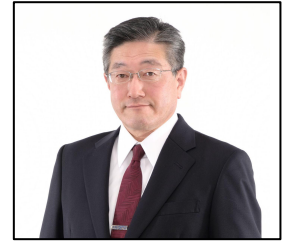
Yoshinori Odagiri, CEO of SPACE COTAN CO., LTD.

It is a great honor to be selected for the Space Strategy Fund. In order to meet the growing demand for launches, it is essential to expand the range of launch opportunities. Furthermore, there will be a need to address a variety of launch requirements in the future, including Point-to-Point (P2P) flights between continents. With this fund, we aim to develop next-generation launch site technologies that can support high-frequency launches of diverse vehicles, contributing to the development of Japan's space industry.



Yutaka Kurokawa, Mayor of TAIKI TOWN

It is a pleasure that SPACE COTAN has been selected for the Space Strategy Fund. It is anticipated that this funding will further accelerate the space initiatives being pursued by Taiki Town and SPACE COTAN. We continue to work together with SPACE COTAN to promote the development of space-related industries in Taiki Town and Hokkaido.



About Taiki Town Office

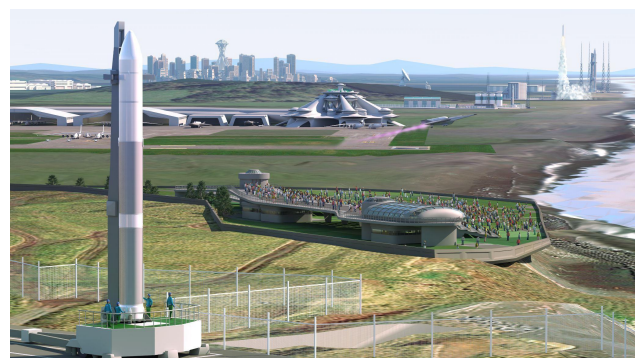
- Representative: Mayor Yutaka Kurokawa
- Location: 33, Higashi-Hondori, Taiki-machi, Hiroo-gun, Hokkaido
- Overview: A town with a population of 5,400 where agriculture, fishing, and forestry are the core industries. The town began attracting aerospace experiments in 1985, and has been promoting the development of a space city for about 40 years since then. Hokkaido Spaceport was opened in 2021 as the global commercial spaceport in Taiki Town. The goal is to create an aerospace industry cluster and ecosystem with Hokkaido Spaceport as its core.
- WEB: <https://www.town.taiki.hokkaido.jp/>

About SPACE COTAN Co., Ltd.

- Representative: Yoshinori ODAGIRI, President and CEO
- Location: 98 Nishihondori, Taiki-machi, Hiroo-gun, Hokkaido
- Business Overview: Overall promotion of HOSPO projects based on mandates from Taiki town, and operation of HOSPO.
- WEB: <https://hokkaidospaceport.com>

About Hokkaido Spaceport (HOSPO)

HOSPO is a commercial spaceport open to the private sector in Asia, which was established in Taiki, Japan. Taiki Town has been attracting the aerospace industry for about 40 years, and is said to be one of the most suitable locations for a world-class spaceport due to its geographical advantages, such as an expansive sea to the east and south for launching rockets, and a large land area that allows for high expansion of the launch site. The suborbital launch site "LC0" is already in operation, and private rockets have reached space three times in the past. To realize our vision of "creating an aerospace industry cluster and ecosystem", we are developing new launch and test sites. Currently an orbital launch site "LC1" is under construction, as an infrastructure to develop the space industry.



Future image of Hokkaido Spaceport

We also aim to promote regional development and Japan's economic revitalization.

Furthermore, Taiki Town and SPACE COTAN signed a Memorandum of Understanding (MOU) in October 2024, committing to expand international spaceport collaboration with eight commercial spaceports located across five continents. In order to meet the growing demand for launches, we will explore potential strategic collaborations to establish international spaceport standards.