Chofu Aerospace Center Overview

Chofu Aerospace Center Aerodrome Branch

Exit Entrance

Aerospace Center Aerodrome Branch
(multi-purpose MuPAL-a experimental aircraft)

Exhibition Hall

The Exhibition Hall introduces the past and ongoing research activities.
A Space Mission Simulator which visitors can experience flight operation simulation by space planes and a wind tunnel model that can create an airflow are also located at the hall.

Admission is free of charge

Open from 10:00 a.m. to 5:00 p.m.

Closed on Saturdays, Sundays, public holidays, and New Year’s Holidays (December 29 through January 3)

Access by public transportation

Chofu Aerospace Center
- Take the JR Chuo Line or the Kisei Kaido Line to Kichijoji Station (South Exit), transfer to the bus going to Musashi-sakai-eki minami-guchi (Musashi-sakai Station South Exit) at bus stop no. 3, get off at Mitaka Shiyakusho (Mitaka City Hall), and walk 3 minutes, or transfer to the bus going to Chofu eki kitaguchi (Chofu Station North Exit) at bus stop no. 8 and get off at Koken-mae.
- Take the JR Chuo Line or the Kisei Kaido Line to Mitaka Station (South Exit), transfer to the bus going to Musashi-sakai-eki minami-guchi (Musashi-sakai Station South Exit) at bus stop no. 3, get off at Mitaka Shiyakusho (Mitaka City Hall), and walk 3 minutes.
- Take the Kisei Line to Chofu Station (North Exit), transfer to the bus going to Kichijoji eki higashimachi (Kichijoji Station North Exit) at bus stop no. 14, get off at Koken-mae.

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- Take the Kisei Line to Chofu Station (North Exit), transfer to the bus going to Musashi-sakai-eki minami-guchi (Musashi-sakai Station South Exit) at bus stop no. 13, get off at Koken-mae.

Access Map

Follow the map for details.

JAXA’s mission is to pursue the infinite possibilities for future development in the space.

We feel a longing and awe towards the vast universe that seems to be boundless. Such feelings have been harbored since the start of humankind. The world that our ancestors gazed upon and could only imagine is now an important field actively explored by humankind with the aid of incredible advances in science and technology. Through these advances, a deep link was formed between space and all the people living on our planet. Although the vast universe remains shrouded in mystery, it reveals an infinite number of possibilities. JAXA will continue to carry out great missions in order to pursue these mysteries, to expand our activities even further, and to give firm support to ensuring a secure and prosperous lifestyle.

Japan Aerospace Exploration Agency activities

Space Science
Explore the mysteries of space and the solar system, as well as the mystery of the forming of the earth and the beginning of life.

Satellites and Observational Imaging
Observe the earth with our “eyes” in space. Support our lifestyle with use of satellites.

Utilization of Space Environment
A new environment is grasped by humankind. International Space Station program is underway to explore the possibilities for utilization of the space.

Space Transportation System
Open up the possibilities for transportation systems that link the earth and space, and help development of space activities.

Aviation Research and Development
Aim to contribute to growth of the aviation industry and make new developments for future air transportations.

Fundamental Technology Research
Establish an autonomous technology platform through continuous accumulation of research.
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In addition to actively supporting development of domestically manufactured passenger aircraft and aeroengines, the Chofu Aerospace Center aims to respond to the requests of the society by conducting research and development to ensure safe air transportation and help expand use of aerospace.

Activities carried out at the Center include advanced elemental technology research aiming towards development of human-friendly next generation passenger aircraft, and research and development of eco-friendly competitive aeroengines that easily conform to aerospace environment standards for noise and gas emissions.

R&D is also underway on a quiet supersonic experimental aircraft that reduces the amount of sonic boom.

Other initiatives include R&D on next generation flight systems that are safe and convenient and capable of high density flight, research on technology for preventing accidents caused by pilots (human error), and R&D on Disaster Monitoring Unmanned Aerial Vehicle (UAV) systems.

To continuously expand space development in Japan in the future, the Chofu Aerospace Center carries out proactive R&D and leads future space projects.

Safety of activities in the space is ensured by carrying out research on technologies for monitoring debris, collision risk management, and preservation of the orbital environment, as well as research on space robots to assist in carrying out space missions safely and economically.

Fundamental research is conducted for future aerospace development, and various large-scale test facilities are open for industries and universities to conduct researches.

Computational Fluid Dynamics (CFD), in which a numerical simulator is used to calculate and replicate airflow, is an advanced technology that is indispensable to designs of aircraft and space planes. Development and evaluation of composite materials and progressive researches on engine elements and aircraft control are also undertaken in anticipation of the future.

The Chofu Aerospace Center is equipped with a broad range of facilities and equipments, including a large-scale wind tunnel, engine test facility, flight simulator, experimental aircraft, composite materials test facility, and numerical simulator system. These facilities are used to support R&D carried out by JAXA and assist in practical researches by providing opportunities for private corporations to use the facilities.

Main facilities

1. Exhibition Hall
2. 1m×1m Supersonic Wind Tunnel
3. Transonic Flutter Wind Tunnel
4. High Pressure Firing Test Facility
5. 3m×3m Transonic Wind Tunnel
6. Numerical simulator system
7. Satellite Capture Simulation Facility
8. Ground Engine Running Test Facility
9. Circular Combustor Test Facility
10. Supersonic Engine Test Facility
11. 1.27m and 0.5m Hypersonic Wind Tunnel
12. 6.5m×5.5m Low Speed Wind Tunnel

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