
New Research and Development Center
“TAIKISHA INNOVATION SITE Aikawa”
Operational from July as a Base
for Creating New Value ahead of Societal Needs

- Achieved ZEB* certification through the establishment of proprietary technologies such as solar power generation and heat collection systems -

Taikisha Ltd. (Head Office: Shinjuku-ku, Tokyo, Japan; Representative Director: Masashi Osada) is going to begin operations for the new Research and Development Center TAIKISHA INNOVATION SITE Aikawa, which combines the SOLUTION LAB (Production Technology Building) and the TECHNICAL LAB (Acoustics Building), on July 23, along with the completion of ADVANCED PLAZA (Research Building) on the premises of the Research and Development Center whose construction was launched last year in Aikawa-machi, Aiko-gun, Kanagawa Prefecture, Japan.

*ZEB: Stands for Net Zero Energy Building, a building that aims to reduce energy consumption to zero while achieving a comfortable indoor environment.



■ Background of the opening of TAIKISHA INNOVATION SITE Aikawa (TISA)

In the Mid-Term Business Plan (from the fiscal year ending March 31, 2023 to the fiscal year ending March 31, 2025) announced in May 2022, Taikisha has declared the “challenge to create new value” as one of its basic policies. To create new value, it is essential to integrate solutions from external parties,

including our customers, and utilize existing technologies and know-how.

Taikisha's Research and Development Center has long been used by customers to solve equipment problems, verify various systems, and other purposes. Meanwhile, in order to establish a place for creating new development themes through the fusion of customers' issues and solutions with Taikisha's technologies and thereby achieving innovation through collaborative creation, we have renovated the Production Technology Building, the Acoustics Building, and the Research Building on the premises of the Center in phases since 2019.

In April 2023, we opened the satellite facility TAIKISHA INNOVATION GATE Shinjuku in Shinjuku, Tokyo, Japan, which is easily accessible from the Tokyo metropolitan area, ahead of the completion of TAIKISHA INNOVATION SITE Aikawa.

We will further accelerate collaborative creation with customers and other business partners by establishing satellite facilities, which will serve as gates to TAIKISHA INNOVATION SITE Aikawa, at our domestic and overseas bases.

■ About TAIKISHA INNOVATION SITE Aikawa

The new Research and Development Center TAIKISHA INNOVATION SITE Aikawa consists of three buildings:

A: **ADVANCED PLAZA (Research Building)**

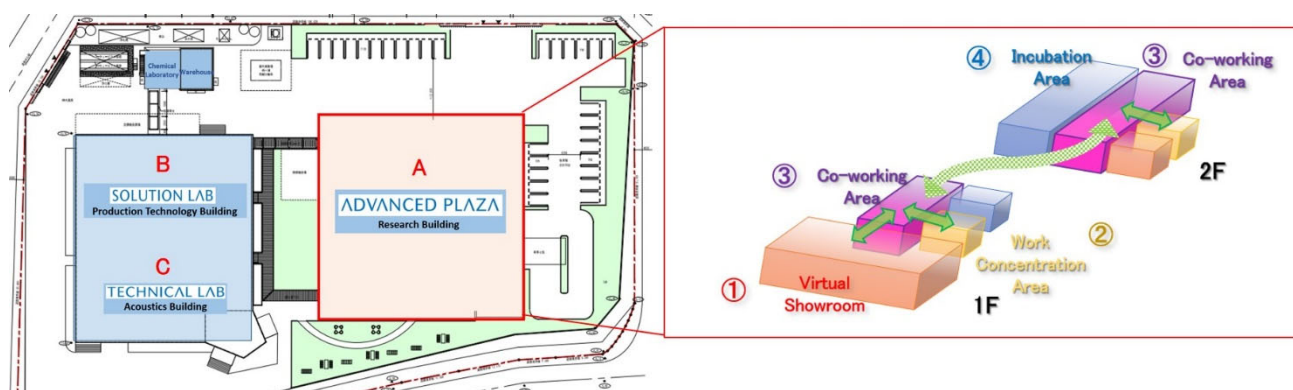
A place where people, technology, and information meet, gather, and collaborate to create future technologies of Taikisha

B: **SOLUTION LAB (Production Technology Building)**

A place to verify technologies on a real scale and solve problems

C: **TECHNICAL LAB (Acoustics Building)**

A place to verify technologies in a special environment equipped with a reverberation room, a clean room, etc.



Of these three buildings, the newly completed ADVANCED PLAZA accommodates four communication areas for creating open innovation with customers, academic and research institutions, startup companies, etc.

1. Virtual Showroom

The Virtual Showroom is the core area of TAIKISHA INNOVATION SITE Aikawa, equipped with functions for introducing and disseminating technologies.

It aims to serve customers in various fields and establish the brand image of Taikisha.

2. Work Concentration Area

The Work Concentration Area is for performing intensive work requiring a stable work environment, such as IoT and AI image development.

3. Co-working Area

The Co-working Area is the place where internal and external co-developers create synergy through active communication.

4. Incubation Area

The Incubation Area is an experimental space where the confidentiality of the companies with whom we conduct collaborative research can be protected.

Symbol Mark of TAIKISHA INNOVATION SITE Aikawa



TAIKISHA
INNOVATION SITE
Aikawa

The symbol mark was created to express and communicate the concept of Taikisha's research facility, with the aim of conveying our commitment to new initiatives to both internal and external audiences.

The symbol, featuring vibrant birds in flight, represents TAIKISHA INNOVATION SITE Aikawa as a hub where many technologies are developed and take flight.

■ What is Taikisha's cutting-edge technology that has reduced environmental impact?

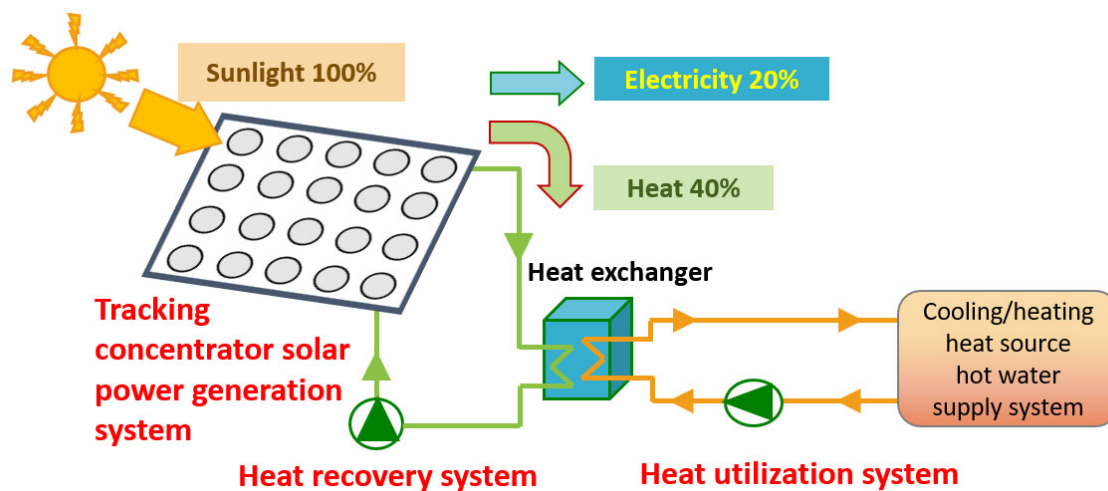
At ADVANCED PLAZA within the premises of TAIKISHA INNOVATION SITE Aikawa, Taikisha has reduced the environmental impact of the building and has acquired a six-star rating, which is the highest rating of BELS*¹, achieving the "ZEB" level.

At ADVANCED PLAZA, the energy consumption of the building is significantly reduced by establishing proprietary technologies, such as a unique solar power generation system utilizing natural energy and a heat collection system.

Our Proprietary Technologies

Establishment of proprietary technologies utilizing solar energy

- Adoption of a tracking concentrator solar power generation system (a system that can use both electricity and heat)
- Development of a heat collection system: A system that makes effective use of waste heat from power-generating element cooling
- Adoption of a refrigerant liquid pump system that can be controlled to a temperature suitable for heat utilization



Tracking concentrator solar power generation system

In addition, ADVANCED PLAZA is granted a five-star rating*2, which is the highest rating of CASBEE Wellness Office.

*1 BELS: Stands for Building-housing Energy-efficiency Labeling System and is the system that rates and labels the energy-saving performance of buildings. The Association for Evaluating and Labeling Housing Performance established BELS based on the guidelines of the Ministry of Land, Infrastructure, Transport and Tourism and evaluates the energy-saving performance of buildings. Non-residential buildings are evaluated in six ratings, from one star to six stars, with the six-star rating as the highest rating.

*2 CASBEE: Stands for Comprehensive Assessment System for Built Environment Efficiency and is the system for comprehensively evaluating the quality of buildings, including indoor comfort and considerations for landscape, in addition to environmental friendliness, such as the use of energy-saving materials and equipment and those with reduced environmental impact. CASBEE Wellness Office is the evaluation of office buildings in CASBEE. Buildings are evaluated in five ratings, from C to S, with different numbers of stars, and the five-star rating is the highest evaluation..

Contact for inquiries from the media regarding the press release:

Taikisha Ltd. Public Relations Section

TEL: +81-3-5338-5052 FAX: +81-3-5338-5195

E-mail: mailmast@taikisha.co.jp