

**General inquiries**

[https://www.aist.go.jp/aist\\_e/inquiry\\_e/form/inquiry\\_form.html](https://www.aist.go.jp/aist_e/inquiry_e/form/inquiry_form.html)

**AIST Solutions**

<https://www.aist-solutions.co.jp/english/>

**Research achievement**

[https://www.aist.go.jp/aist\\_e/list/us\\_latest\\_research.html](https://www.aist.go.jp/aist_e/list/us_latest_research.html)

**Facility tours**

[https://www.aist.go.jp/aist\\_e/guidemap/#exhibition](https://www.aist.go.jp/aist_e/guidemap/#exhibition)

- AIST-Cube
- Geological Museum
- Life Technology Studio

**Employment**

[https://www.aist.go.jp/aist\\_e/humanres/](https://www.aist.go.jp/aist_e/humanres/)

# NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE & TECHNOLOGY

You are on the endless road of research and development.  
AIST knows how long and rough it is.

Nevertheless, you do not give up getting to the undiscovered top.  
We are aware of your determination.

That is why we do everything possible for you.

We draw maps to uncharted areas.  
We form the best team with experts from various backgrounds.

We generously provide the world's best technologies and intellectual properties.  
We will keep trying for commercialization together with you.  
What cannot be seen now will someday become visible in the future.  
We will walk along with you to that future that will change society.

**Taking the industry of Japan to the highest peak in the world—  
We are AIST,  
the National Institute of  
Advanced Industrial Science and Technology.**

# Making an invisible future visible. AIST is here next to you.



# RESEARCH SECTORS

At AIST, as an organization that promotes research, we have established seven research departments and one special organization, set up research centers and research institutes, and conduct research and development to respond to industrial and social needs. At research centers, we promote research and development of advanced technology, policy-based missions, and emerging technology, and at research institutes, we sustainably promote research and development of basic research to research that leads to practical application. Moreover, to strengthen integrated research that takes advantage of AIST's collective strengths, in April 2025, we established Integrated Research Centers, independent from each research department.



## Integrated Research Center

## Integrated Research Center for CCUS Implementation

## Integrated Research Center for Circular Technology

## Integrated Research Center for Nature Positive Technology

## Integrated Research Center for Advanced Manufacturing

## Integrated Research Center for Self-Care Technology

## Integrated Research Center for Wellbeing

## Integrated Research Center for Resilient Infrastructure

## Seven research departments and one special organization



### Department of Energy and Environment

- Renewable Energy Advanced Research Center
- Global Zero Emission Research Center
- Research Institute of Science for Safety and Sustainability
- Energy Process Research Institute
- Environmental Management Research Institute
- Research Institute for Energy Efficient Technologies
- Research Institute of Electrochemical Energy



### Department of Life Science and Biotechnology

- Biomanufacturing Process Research Center
- Health and Medical Research Institute
- Cellular and Molecular Biotechnology Research Institute
- Molecular Biosystems Research Institute



### Department of Information Technology and Human Factors

- Artificial Intelligence Research Center
- Intelligent Systems Research Institute
- Intelligent Platforms Research Institute
- Cyber Physical Security Research Institute
- Research Institute for Human and Societal Augmentation
- Human Informatics and Interaction Research Institute



### Department of Materials and Chemistry

- Materials DX Research Center
- Research Institute for Chemical Process Technology
- Research Institute for Sustainable Chemistry
- Research Institute of Core Technology for Materials Innovation
- Catalytic Chemistry Research Institute
- Nanocarbon Material Research Institute
- Multi-Material Research Institute



### Department of Electronics and Manufacturing

- Advanced Power Electronics Research Center
- Semiconductor Frontier Research Center
- Photonics-Electronics Integration Research Center
- Core Electronics Technology Research Institute
- Core Manufacturing Technology Research Institute
- Sensing Technology Research Institute
- Research Institute for Hybrid Functional Integration



### Geological Survey of Japan

- Geoinformation Service Center
- Research Institute of Earthquake and Volcano Geology
- Research Institute for Geo-Resources and Environment
- Research Institute of Geology and Geoinformation



### National Metrology Institute of Japan

- Center for Quality Management of Metrology
- Research Institute for Engineering Measurement
- Research Institute for Physical Measurement
- Research Institute for Material and Chemical Measurement
- Research Institute for Measurement and Analytical Instrumentation



### Global Research and Development Center for Business by Quantum-AI technology



# RESEARCH BASES

AIST has regional research bases with unique strengths located throughout the country. They respond to needs of regional companies, and contribute to regional vitalization by collaboration with companies and research organizations such as universities in the region.

## AIST Shikoku

- Development of technology for visualization of health conditions
- Development of technology for disease prevention and health promotion



## AIST Chugoku

- Evaluation and diagnostic technologies for organic materials
- Nanocellulose manufacturing technology
- Biotechnology for production process



## Hokuriku Digital Manufacturing Center, AIST

- A research center that aims to revitalize the local economy by adding value to major local industries in Hokuriku region, such as metal processing and textile industries



## Fukushima Renewable Energy Institute, AIST (FREIA)

- A research hub of renewable energy, which is open to the world
- Contribution to recovery from the 2011 Great East Japan Earthquake through formation of new industrial clusters



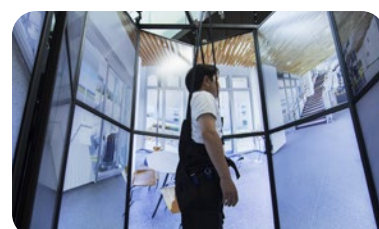
## AIST Kansai

- Development of new batteries, advanced material technology
- Biotechnology, medical and health infrastructure technology



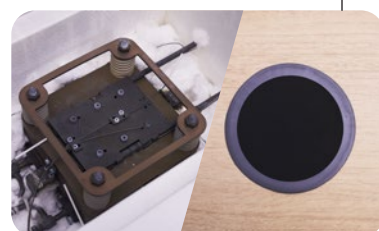
## AIST Tokyo Waterfront

- International joint research center for the realization of a green and digital society



## AIST Kashiwa

- Core research center for human augmentation technology using AI and sensing technologies



## AIST Chubu

- Development of ceramics, lightweight metal, composite and wood materials
- Prototyping and evaluation of new materials and components using informatics, etc.



## AIST Tohoku

- Development of material recycling and resource recovery technology
- Development of smart chemical production technology
- Prototyping and evaluation of nanomaterials



## AIST Tsukuba

- AIST's core research base
- Wide range of R&D in collaboration with regional research bases
- Development of intellectual infrastructure



## AIST Hokkaido

- Production technology of useful substances using plants and microorganisms
- Microorganism utilization technology that realizes sophistication of the primary industry and treatment of waste/wastewater, etc.
- Development of technology to produce new domestic natural gas resources from methane hydrate

## Personnel

**12,000**

(Total number of personnel working at AIST)

Researchers **2,200**

Administrative employees **700**

Contract employees **3,200**

(Including postdoc) Others **6,000**

Visiting researchers/employees from companies, universities, etc. **5,800**

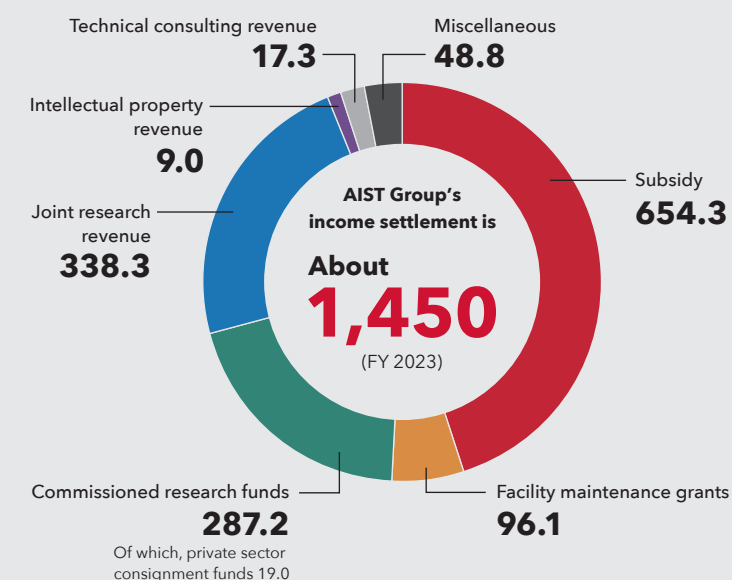
AIST Solutions employees **200**

\* As of the end of March 2024. However, visitor data from companies and universities are based on the 2023 fiscal year results.

\*\* Personnel numbers are rounded to the nearest hundred, so totals may not match exactly.

## Revenue

(unit : 100 million yen)



\* The total revenue and breakdown of the AIST Group are calculated for convenience to represent the scale of the AIST Group's business.

\*\* As the figures less than 10 million yen are rounded off, the sum of the figures of each category may not match the total sum.

## STAFF & BUDGET