



KSRRP

Kitakyushu Science and Research Park

2021-2022

北九州学術研究都市

<https://www.ksrp.or.jp/>



Kitakyushu Foundation for the Advancement of Industry,
Science and Technology (FAIS)

About Kitakyushu Science and Research Park

Kitakyushu Science and Research Park (KRSP) opened in April 2001, aims to "further the development of technology and the creation of new industries" and "Technologies research center open to Asia" through a single campus integration of national, municipal and private universities that specialize in science and engineering. The four universities (and 1 undergraduate program) already based at the park are engaged in the training and research of cutting-edge science technologies, in particular, IT and biotechnology under the common philosophy of KSRP.

Objectives of the Kitakyushu Science and Research Park

Utilizing the "intelligence" of universities to promote local industries and science

Technologies research center open to Asia

Promoting the creation of new industries and the further development of technology

Construction of a cutting-edge industrial city in Asia that creates new technology and enriches lives

Kitakyushu Science and Research Park Project

● Fundamental policy

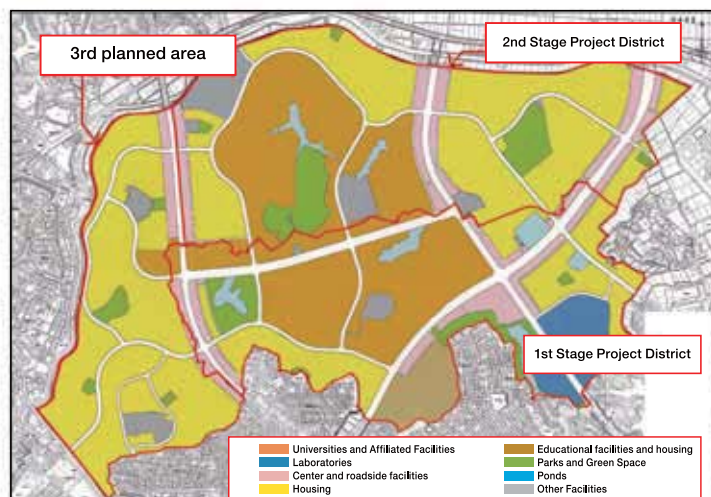
At the Kitakyushu Science and Research Park, we are promoting the urban design concept of "mixed-use development", where we have combined the provision of a comfortable and convenient residential area with a concentration of educational and research institutions engaged in the fields of cutting-edge science and technology, while drawing inspiration from the rich natural and urban environment in the surrounding area.

● **Development areas** : Western section of Wakamatsu, Northwestern section of Yahatanishi

● **Total development area** : Approximately 335 ha

● **Planned population** : 12,000 (Daytime population)

[Schematic drawing of land use plan (draft)]



● Construction schedule :

1st Stage Project (Approximately 121 ha)

1995 - 2006 ※Project completed

Developer : Urban Renaissance Agency

2nd Stage Project (Approximately 136 ha) 2002 - 2018

Developer : City of Kitakyushu

3rd Stage Project (Approximately 68 ha)

Under Consideration

River improvement (Approximately 10 ha)

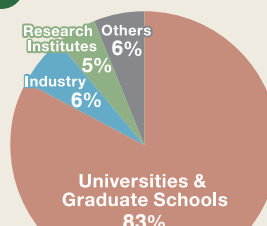
Daytime Population of Kitakyushu Science and Research Park (As of May 1, 2021)
(1st Stage Project District Educational facilities and housing)

Approximately 3,500

Students **2,494** (including 825 foreign students)

Faculty members *Only full-time faculty **170** (including 31 from industry)

Researchers **167** (including 56 foreign researchers)



Features of Kitakyushu Science and Research Park

Universities and Research Institutes Related to Science, Engineering, and Research Departments of Companies Located on Campus

- National, municipal, and private universities (1 faculty, 4 graduate schools)
Faculty and Graduate School of Environmental Engineering, The University of Kitakyushu
Graduate School of Life Science and Systems Engineering, Kyushu Institute of Technology
Graduate School of Information, Production and Systems, Waseda University
Graduate School of Engineering, Fukuoka University
 - Public and private research institutions (10 research institutes)
 - Companies involved in research and development (44 companies)
- (As of July 2021)

Common Educational and Research Principles among Universities on the Campus

- Conducting advanced education and research in the fields of cutting-edge science technology
- Promotion of collaboration between industry and academia
- Nurturing an entrepreneurial spirit
- Establishing a center for academic research in Asia

Cooperative Campus Management & Common Use of Facilities

- The Kitakyushu Science and Research Park steering committee is composed of representatives from universities within the campus, and plans for joint endeavors
- Common use of libraries, information processing facilities, convenient facilities, and others

Exchange and Collaboration among Researchers, Staff, and Students

- Joint research and faculty exchanges among participating universities
- Transferable credits to other universities
- Operating joint graduate school programs of participating universities on the campus
Joint Graduate School Intelligent Car, Robotics & AI

Operation and management of the Kitakyushu Science and Research Park

Kitakyushu Foundation for the Advancement of Industry, Science and Technology (FAIS)

FAIS Organizational Structure



1 The University of Kitakyushu

Faculty of Environmental Engineering

■ Student capacity: 1015
 Department of Chemical and Environmental Engineering
 Department of Mechanical Systems Engineering
 Department of Information and Media Engineering
 Department of Architecture
 Department of Life and Environment Engineering

Graduate School of Environmental Engineering

■ Student capacity: 346
 Graduate Programs in Environmental Systems
 Graduate Programs in Environmental Engineering
 Graduate Programs in Information Engineering
 Contact: Press Department
 +81-93-695-3311



2 Kyushu Institute of Technology



Graduate School of Life Science and Systems Engineering

■ Student capacity: 352
 Department of Biological Functions Engineering
 Department of Human Intelligence Systems
 Department of Life Science and Systems Engineering
 Contact: Administration Office, School Affairs Division +81-93-695-6003



3 Waseda University



Graduate School of Information, Production and Systems

■ Student capacity: 460
 Information Architecture
 Production Systems
 Integrated Systems
 Contact: Administration Office +81-93-692-5017

4 Fukuoka University

Graduate School of Engineering

■ Student capacity: 32
 Graduate Program of Recycling and Eco-Technology
 Energy and Environment Systems
 Contact: Administration Office
 +81-92-871-6631

Numbers of students and professors

As of May 1, 2021

University	Undergraduate	Postgraduate	PhD	Research students	Special research students	Total number of students	Number of professors
The University of Kitakyushu Faculty of Environmental Engineering	1,115 (51)	— —	— —	3 (3)	0 (0)	1,118 (54)	86
The University of Kitakyushu Graduate School of Environmental Engineering	— —	322 (68)	130 (115)	0 (0)	0 (0)	452 (183)	—
Kyushu Institute of Technology Graduate School of Life Science and Systems Engineering	— —	256 (27)	122 (53)	4 (4)	0 (0)	382 (84)	47
Waseda University Graduate School of Information, Production and Systems	— —	442 (420)	91 (75)	6 (6)	0 (0)	539 (501)	35
Graduate School of Engineering, Fukuoka University	— —	3 (3)	0 (0)	0 (0)	0 (0)	3 (3)	2
Total	1,115 (51)	1,023 (518)	343 (243)	13 (13)	0 (0)	2,494 (825)	170

number in () indicates the number of foreign students

A Collaboration Center

Collaboration Center
Building 1



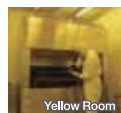
Core facilities for pursuing research among industry, academia and government

The Fukuoka Research Commercialization Center for Recycling Systems and other research institutes, companies conducting cutting-edge research, and Graduate School of Engineering, Fukuoka University are located in the Center. In addition, the Collaboration Center is also equipped with a conference room and seminar room that can accommodate up to 100 visitors.

- Laboratories (31 rooms)
- Conference room, Seminar room (S, M)

B Semiconductor Center

Collaboration Center
Building 2



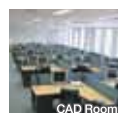
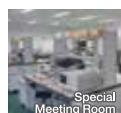
Facilities to support research and development of semiconductor microfabrication technology

This facility is for research and development of semiconductor manufacturing related fields by companies and universities. The facility offers use of high-precision machinery for research and development related to trial manufacturing of ICs and MEMS and is equipped with laboratories. The practical experiments on trial manufacturing of ICs (CMOS process) are also available.

- Laboratories (7 rooms)
- Shared micromachining devices for ICs and MEMS (Electron beam drawing apparatus, ion implanters, double-sided exposure apparatus, rapid heat treatment apparatus (RTA), dicing saw, bonding equipment, etc.)

C IT Advancement Center

Collaboration Center
Building 3



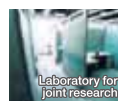
Facilities for conducting research and development on networks and semiconductor design

This facility is for research and development related to semiconductor design technology and advanced information and communication technology by companies and universities.

- Laboratories (33 rooms)
- Facilities for R&D of semiconductor design

D Business Venture Support Center

Collaboration Center
Building 4



Facilities to support R&D and commercialization for starting up new businesses from campus ventures

This facility provides general office clerical, mechanical and chemical laboratories and small booth units are available in the joint laboratory.

- Laboratories (36 rooms) Large Laboratories, Chemical Laboratories
- Conference room (S,M)
- Collaborative Laboratory (10 booths)
- Share office

F Media Center

Library,
Information Processing Facility



Multimedia station, integration, and transmission of Information

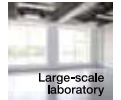
In addition to its function as a library for collecting and providing academic information and as an educational facility for information processing, the Media Center houses facilities for teleconferencing and the production of information content.

Laboratory Rental Fees

©2,000 yen/m² per month (Common fees : 500 yen/m² per month)
(Example: In the case of a laboratory that is 50 m² the approximate fee is 1.5 million yen per year (common fees are not included))

E Technology Development and Exchange Center

Collaboration Center
Building 5



Facilities to support new technology development in fields such as robotics and automotive electronics

This facility supports new technology development in the fields of robotics and automotive electronics by utilizing the achievements of the Kitakyushu Science and Research Park. Guest rooms are furnished for visitors who come to KSRP for the purpose of research.

- Laboratories (48 rooms) Large Laboratories, Chemical Laboratories
- Guest Rooms (9 rooms) 8 single rooms, 1 twin room
- Conference room (S,M)
- Collaboration rooms (2 rooms)

In addition to universities, an increasing number of research institutes and R&D-oriented companies are relocating their operations to the Kitakyushu Science and Research Park, an area replete with facilities dedicated to collaboration between industry and academia. The dynamic entrepreneurial spirit harnessing the seeds planted in the rich scholastic environment of universities in the Kitakyushu Science and Research Park is palpable, with twelve venture companies putting down roots in the park.

As of August 1, 2021

	Name of Research Institution	Location	Research Content
1	Institute of Environmental Science and Technology, The University of Kitakyushu	The University of Kitakyushu	Strategic promotion of research and technology development in the fields of the environment, energy, biomaterials, information, robot technologies, and others to respond to changes in the global environment and the needs of local society.
2	Kyushu Institute of Technology, Research Center for Next-Generation Power Electronics	Kyushu Institute of Technology and Semiconductor Center	Research on next-generation power electronics focusing on power semiconductors that can contribute to the development of a low-carbon society, such as the promotion of energy savings and the application of advanced technologies for electric power and natural energy.
3	Center for Socio-Robotic Synthesis, Kyushu Institute of Technology	Kyushu Institute of Technology and IT Advancement Center	<ul style="list-style-type: none"> ○Development and practical application of specialized environmental robots capable of operating in extreme environments ○Development and practical application of medical and nursing care robots ○Development and practical application of technologies supporting factory automation ○Development of open software capable of assuring quality to support the practical application of reliable robots
4	Information, Production and Systems Research Center, Waseda University	Information, Production and Systems Research Center, Waseda University	World-class, advanced research and human resources development in the fields of automotive electronics and LSI.
5	Academic, Industrial and Governmental Liaison Center, Fukuoka University Kitakyushu Industry-Academia Cooperation Promotion Office	Collaboration Center	Expansion of the promotion of environmental industries through industrial, academic, and government collaboration to match corporate needs of environmental industries and the policies and seeds of municipal governments.
6	Fuzzy Logic Systems Institute Imasato's Laboratory	Semiconductor Center and Technology Development and Exchange Center	Test studies on information processing systems that apply fuzzy logic.
7	HiBD Laboratory Association	Collaboration Center and Business Venture Support Center	Research and development on the manufacturing of liquid fuel from renewable resources and carbon dioxide.
8	Japan unmanned Vehicle exploration agency	Collaboration Center	Advancing and disseminating research on unmanned vehicles by serving as a space for sharing knowledge and information on surveys, research and technological improvements in all areas related to unmanned vehicles.
9	Fukuoka Research Commercialization Center for Recycling Systems	Collaboration Center	Supporting R&D and business development by industries, academia, government and the public that are engaged in the development of recycling technologies and the establishment of social systems to build a resource-recycling society.
10	Center for Contemporary Art, CCA Kitakyushu	IT Advancement Center	Research and development on expression technologies through information and communications to create multimedia contents and develop human resources in cooperation with universities.

	Resident Location	Company Name	Current Business Content
1	Collaboration Center	INFOGRAM Inc., Kitakyushu Branch Office	System development, computer educational services, internet services, and all incidental work related to the preceding items
2		ISHIDA PATENT OFFICE	Proxy for application procedures for patents and registration of utility models, designs, and trademarks, consulting services on filing patent applications
3		PLANTMAKE RISE	Development of coating agents for incinerator facilities, development of structural calculation software using 3D scanners
4		KOISHI CO., LTD	Development of technologies for application on construction sites
5	Semiconductor Center	Security Information Laboratory	Systems development and maintenance (24 hours a day, 365 days a year)
6		K2R Inc.	Research and development on water generation equipment containing radical species using catalytic reactions
7	IT Advancement Center	Windy Co.,Ltd.	Development of software used at hospitals and pharmacies, development of work analysis software used at automobile plants
8		Mishimakosan Co.,Ltd.	Development and manufacturing of automatic drug dispensers to remove wrappers and pharmaceutical-related equipment
9		● RoboPlus Hibikino Co.,Ltd.	Design, manufacturing, and sales of mechatronics, consulting services
10	Business Venture Support Center	ITS Inc.	Research and development on electronic parts, such as semiconductor integrated circuits
11		● BE Corporation	Research and development on image processing systems and software
12		● Technology for Laboratory Inc.	Development and sales of clinical engineering educational equipment and optical transmission bio-signal measuring devices
13		● BraTech Co.,Ltd.	Development of web systems, academic solution programs
14		Hibikino Accounting Office	Auditing services, tax document preparation, tax proxy services, tax consulting services
15		AKSystem Co.,Ltd	Research and development on applications for new industrial fields (Medical and welfare field), such as techniques to fabricate manufacturing equipment for semiconductors
16		Marelli corporation	Research on electrical testing technologies using magnetic flux sensors and analog circuits
17		● Artix,inc	Research and development on IoT, artificial intelligence, blockchain technology, other
18		● CCAS Co.,Ltd.	Research and development on manufacturing systems for modified fly ash concrete
19		HOKOSHA TECHNOLOGIES CO.,LTD	Research and development on curved surface wiring technologies using molecular adhesion technologies and high-luminance, highly-reliable LED lighting
20		KAWA CO.,LTD	Commercialization of lithium adsorbent through high-volume synthesis
21		TuSimple JAPAN	Research and development, design, and sales of autonomous driving technology for vehicles
22		Hibito Design	Research on impacts and effects influencing a child's future by digitalizing drawings and art created by children and storing them in combination with designs
23		ENVIRONMENT ENERGY CO.,LTD	Development and practical applications of bio-jet fuel, development of high-quality bio-diesel fuel
24		● Hibikino electronic corporation	Development of electrical field resonance-type bio-sensing and sensing data analysis systems
25		● Kankyoku Photonics Co.,Ltd.	Research, development, and sales of LED light sources for plant growth
26		Q-Cul LLC.	Research and development on embedded software
27		WORKS Co.,Ltd	Development of precision plastic injection molding technologies
28		● Robo science CO.,LTD	Research and development of underwater robots and related products
29		Apollo Japan Co,Ltd	Development of basic technologies for screen codes and autonomous driving
30		HM Connect	Verification of the effectiveness of disinfectants, antibacterial and deodorizing solutions and development of products with long-lasting and sustained effects Development of LED light staging devices featuring laser-engraved patterns inside crystal glass
31		● Mathematical science labo	Research and development projects related to mathematical sciences
32		Organization for Career Education & Support (OCES)	Career guidance in secondary education, career education, and education for career counseling
33		Hynts Tech Corporation	Development, manufacturing and sales of tools using nanostructures for introducing substances into cells or extracting intracellular substances
34	Technology Development and Exchange Center	Shikino High-Tech Co.,LTD	Design/manufacturing/control of semiconductor equipment, LSI circuit design/layout, other
35		YOSHIKAWA KOGYO RF SOLUTION CENTER	Research and development projects on RF-ID
36		C&G SYSTEMS INC.	Development of CAD/CAM software for mold design and processing
37		Shabondama Soap Co.,Ltd.	Manufacturing and sales of additive-free cosmetic soap, household cleaners, fire retardants, other
38		TORICO LTD	Development and repair of electrical parts
39		● FILTOM, INC.	Development, manufacturing, and sales of cosmetics using placenta extract (placenta fluids from pigs)
40		ASIN CORPORATION	Development of elemental technologies, such as image recognition/spatial recognition, and vehicle control
41		KYOTO ELECTRONICS MANUFACTURING CO., LTD.	Development of prototypes and evaluations to establish technical elements for the manufacturing of new sensors
42		● Secure Cycle Inc.	Development of general platforms for behavior recognition technologies and security
43		YASKAWA ELECTRIC CORPORATION	Robot tests and imitation of human movement
44		KOA CORPORATION	Information collection and information exchange on electronic parts, sensor elements, and sensor modules, joint industry-academic development

* ●Indicates new business from KSRP ventures (12 companies)

Contact Information: Kitakyushu Foundation for the Advancement of Industry, Science and Technology (FAIS)

【Kitakyushu Science and Research Park website】 <https://www.ksrp.or.jp/>

【Kitakyushu FAIS website】 <https://www.ksrp.or.jp/faiss/>

General Information for the Kitakyushu Science and Research Park		E-mail / info@ksrp.or.jp
General Affairs Office	Kitakyushu Science and Research Park, Collaboration Center 1st Floor, 2-1 Hibikino, Wakamatsu-ku, Kitakyushu 808-0135	TEL +81-93-695-3111 FAX +81-93-695-3010
Inquiries on the use of research content at universities, industry-academia collaboration, and other R&D projects		E-mail / iac@ksrp.or.jp
Innovation Center Collaboration Department	Kitakyushu Science and Research Park, Collaboration Center 2nd Floor, 2-1 Hibikino, Wakamatsu-ku, Kitakyushu 808-0135	TEL +81-93-695-3006 FAX +81-93-695-3018
Management Support Department	Kitakyushu Science and Research Park, Collaboration Center 2nd Floor, 2-1 Hibikino, Wakamatsu-ku, Kitakyushu 808-0135	TEL +81-93-695-3007 FAX +81-93-695-3686
Inquiries related to research and development, human resources development, etc., in the car field		E-mail / car@ksrp.or.jp
Innovation Center Car Electronics Group	Kitakyushu Science and Research Park, Technology Development and Exchange Center 1st Floor, 8-1 Hibikino-kita, Wakamatsu-ku, Kitakyushu 808-0138	TEL +81-93-695-3685 FAX +81-93-695-3686
Inquiries on new business creation in the ICT field		E-mail / iipc@ksrp.or.jp
Innovation Center Information Industry Promotion Group	Kitakyushu Science and Research Park, Collaboration Center 2nd Floor, 2-1 Hibikino, Wakamatsu-ku, Kitakyushu 808-0135	TEL +81-93-695-3077 FAX +81-93-695-3667
FAIS Higashida Office	Kyushu Human Media Creation Center 1-5-7 Higashida, Yahatahigashi-ku, Kitakyushu 805-0071	TEL +81-93-661-3813 (Nittetsu community)
Inquiries on R&D and human resources development in the robotics field		E-mail / robotics@ksrp.or.jp
Robotics Technology Center	Kitakyushu Science and Research Park, Technology Development and Exchange Center 1st Floor, 8-1 Hibikino-kita, Wakamatsu-ku, Kitakyushu 808-0138	TEL +81-93-695-3085 FAX +81-93-695-3525
Inquiries related to establishing new businesses and management of SME		E-mail / k_info@ksrp.or.jp
SME Support Center	Kitakyushu Techno Center 1st Floor, 2-1 Nakabarushin-machi, Tobata-ku, Kitakyushu 804-0003	TEL +81-93-873-1430 FAX +81-93-873-1450

