

サーキュラー  
エコノミーが創造する  
ビジネスの可能性



The 18th Kawasaki International Eco-Tech Fair

第  
18  
回

川崎国際環境技術展

出展者一覧  
Exhibitor List

A-01

Resource Recycling

Sea Act Co., Ltd.

#### Organization / Company Profile

Sea Act Co., Ltd. is a venture company established in 2014. Since 2018, we have been engaged in full-scale product development. In 2019, we discovered a dietary component derived from microalgae that alleviates ER stress, a cause of most diseases. Last year, clinical research confirmed its ability to improve human type 2 diabetes. We are also developing new cosmetic materials, focusing on underutilized resources. Unlike previous upcycled materials, our new materials completely replace synthetic components, offering significant economic benefits and drastically reducing environmental impact.

#### Overview of Business, Products, Services, and Research Themes

We provide natural food ingredients that can contribute to improving future illnesses and supporting treatments (such as improving chronic conditions). In the cosmetics field, we offer high-performance ingredients that can replace synthetic substances. For example, where 10,000 tons of synthetic materials were previously produced for use in cosmetics, we produce just 1 ton of natural seaweed-derived ingredients to achieve the same functionality. This technology replaces chemically synthesized materials with blue carbon materials, achieving the same effect using only one ten-thousandth of the synthetic resources required.

#### Details of Desired Business Partners / Collaboration Targets

We want companies that love nature and truly wish to improve the world going forward to utilize products made with these technologies. We want them to sell these products.

#### Official Website URL

<https://www.seaact.com/>

A-02

Resource Recycling

J Circular System Corporation

#### Organization / Company Profile

From Circulation to Creation. Contributing to the construction of a sustainable resource-recycling society and building a future where environment and economy are in harmony.

#### Overview of Business, Products, Services, and Research Themes

We aim to realize a circular economy that recycles finite resources and creates new value through our used plastic recycling business.

#### Official Website URL

<https://j-circular.co.jp/>



A-03

Resource Recycling

## Nippon News Ink Co., Ltd.

### Organization / Company Profile

Nippon Shimbun Ink Co., Ltd., which will celebrate its 80th anniversary in October 2024, has major newspapers across the country as shareholders and has a track record of supplying ink to most newspapers across the country since its founding, playing a role in supporting information culture. Although the demand for ink as a paper medium is declining due to the recent trend away from print media and the shift to electronic newspapers, the company is taking on new challenges, such as manufacturing and selling functional liquid agents other than newspaper ink, by utilizing the technology it has cultivated in newspaper ink manufacturing, as well as working on new business developments such as a textile business using reeds as part of its efforts to achieve the SDGs.

### Overview of Business, Products, Services, and Research Themes

Reeds, a grass family plant that grows naturally near water and has supported people's lives and culture since ancient times, not only help curb global warming and preserve ecosystems through photosynthesis, but also purify water, but if they are not harvested every year, it will lead to a deterioration in water quality and the destruction of ecosystems. Nippon Shimbun Ink Co., Ltd., with the desire to run an environmentally friendly business that is useful to society, not only works with local communities to protect the environment, but also aims to make effective use of unused resources by commercializing harvested reeds and contribute to the revitalization of the local economy.

### Official Website URL

<https://www.nissin-ink.co.jp>

A-04

Resource Recycling

## Kureha Ecology Management Co., Ltd.

### Organization / Company Profile

Kureha Ecology Management Co., Ltd. contributes to global environmental preservation through the appropriate processing of waste. Utilizing our technological expertise, we operate in various fields, including the processing of medical waste and hazardous substances and the sale of environmental-related equipment, supporting the realization of a sustainable society. At Westec Kanagawa, in addition to incineration for waste detoxification and volume reduction, we generate electricity using the waste incineration waste heat and supply the surplus power to the local community. Furthermore, we are undertaking various initiatives towards carbon neutrality, such as maximizing power generation, promoting energy saving within the factory, and carbon-free operation of the electricity and fuel used in the factory.

### Overview of Business, Products, Services, and Research Themes

Intermediate treatment of industrial waste (detoxification and volume reduction by incineration of PFAS-containing waste, medical waste, and other industrial waste) and Sales of VOC exhaust gas treatment equipment.

### Official Website URL

<https://www.kurekan.co.jp/>

A-05

Resource Recycling

douaikai

#### Organization / Company Profile

We engage in the recycling of waste Styrofoam into raw materials. We produce repellets, not ingots, and promote domestic circulation. Furthermore, various visualization and foreign object removal tasks are primarily carried out by individuals with disabilities as part of our business.

#### Overview of Business, Products, Services, and Research Themes

We conduct recycling as a Type B business (Work Support Service B) within a social welfare corporation.

A-06

Resource Recycling

Kawasaki Zero-Emission Industrial Complex

#### Organization / Company Profile

Kawasaki Zero-Emission Industrial Complex, a pioneering project under the Kawasaki Eco-Town concept, brings together companies that uphold their own environmental policies while working collectively to reduce waste and emissions. Through close collaboration, they promote resource recycling and energy circulation across the complex. Innovative initiatives are already in place, such as reusing incineration ash in cement production, recycling advanced treated water, and recovering paper that is usually difficult to recycle. These efforts minimize environmental impact and build a truly sustainable system. The complex represents a forward-looking model where business and the environment grow together toward a sustainable future.

#### Overview of Business, Products, Services, and Research Themes

Kawasaki Zero-Emission Industrial Complex brings together a wide range of businesses—from toilet paper manufacturers, metal processors, forgers, and welders to companies engaged in equipment maintenance, refrigerated storage, and industrial rental services. The complex also includes firms specializing in industrial waste treatment. By working together, these diverse enterprises promote resource recycling and reduce environmental impact, fostering sustainable industrial activities that operate in harmony with the local community.

#### Official Website URL

<https://www.city.kawasaki.jp/280/page/0000033413.html>

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A-07

Resource Recycling

DELE Inc.

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Organization / Company Profile

Our goal is to become a platform provider of "delete." By erasing data, we hope to eliminate people's anxieties. Going forward, companies will place great importance on whether they are fulfilling their responsibilities to the environment and society, or whether they are trying to do so. We will incorporate the SDGs into our management, creating new corporate value and generating a source of innovation.

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Overview of Business, Products, Services, and Research Themes

We purchase (collect) devices after erasing data or devices that are no longer needed, and reuse or recycle them. We also purchase and recycle broken devices and peripherals. By reusing and recycling devices instead of discarding them, we can avoid CO2 emissions that would be emitted when disposing of unwanted devices as industrial waste, thereby contributing to carbon neutrality.

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Details of Desired Business Partners / Collaboration Targets

Large companies and public institutions

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Official Website URL

<https://www.data-concierge.jp/>

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A-08

Resource Recycling

KOGAKUIN UNIVERSITY

Organization / Company Profile

This is an industry-academia collaboration project strongly supported by the university, centered on patented technologies (Patent Nos. 7137223, 7205856, 7210049, 7221529, 7709022) originating from the university. In collaboration with local governments, we have successfully demonstrated phosphorus recovery at a practical scale (kg order) from sewage sludge incineration ash. We are demonstrating the reliability and maturity of the technology for social implementation. With three strengths—academic background, demonstration track record, and technology ready for practical use—we provide highly reliable resource circulation solutions.

Overview of Business, Products, Services, and Research Themes

The "Two-Stage Acid-Alkali Elution Process" for producing high-grade phosphorus fertilizer from sewage sludge incineration ash is a patented, innovative technology. It achieves a phosphorus recovery rate of over 90% and produces fertilizer, snow-melting agents, and soil conditioners. Heavy metals are thoroughly removed, NaOH is circulated, and absolutely no wastewater is generated, realizing complete resource circulation. This is a zero-emission technology focused on social implementation, which significantly reduces the environmental load and is also being developed for marine applications.

Details of Desired Business Partners / Collaboration Targets

Sewage sludge incineration ash is the only domestically available phosphorus resource that can be secured in large quantities in Japan. We possess the processing know-how and patents for this. We propose a new circular business by combining it with your company, which has an interest in phosphorus resources. [To Investment Companies] Realization of funding aligned with ESG/SDGs, entry into a growing market, and acquisition of stable returns. [To Chemical/Fertilizer Manufacturers] Securing stable domestic raw materials and decoupling from import dependence, and brand enhancement through "circulated phosphorus." Please consider flexible collaborative models such as establishing an SPC or technology introduction. We will explain detailed trial calculations, so please feel free to contact us first.

Official Website URL

<https://www.kogakuin.ac.jp/>

A-09

Resource Recycling

Katsumata Co.,Ltd.

Organization / Company Profile

Katsumata Pharmacy was founded in 1965. With the philosophy of "Serving Health," the company has developed businesses related to local medical care, health, and disaster prevention, including a "community-based dispensing pharmacy (Pharmacy Department)," "creating a comfortable and safe local environment (Environmental Improvement Department)," "disaster and emergency medical support (Emergency Medical Supplies Department)," and "medical support (Sterilization Department)." In 2022, the company obtained a license to manufacture and sell pharmaceutical products, and the following year, a license to manufacture and sell quasi-drugs. A new "Pharmaceutical Manufacturing and Sales Department" was established. Currently, with the aim of achieving both a sustainable society and business growth, the company develops and manufactures new products in addition to its existing businesses, focusing on the themes of "health" and "environment."

Overview of Business, Products, Services, and Research Themes

Sunny Cure BE is a hand sanitizer (designated quasi-drug) with a paper container and pump that incorporates all of the 3Rs + Renewable. Reduce: Reduces plastic waste. Reuse: Improves the durability of the pump. Reuses the bottle for replacement bottles. Recycle: Recycles the container as a paper resource. Renewable: The container is made from FSC-certified paper. The box type allows for good loading efficiency and reduces CO2 emissions from transportation. The solvent is formulated with plant-derived moisturizing ingredients and is gentle on the skin. After use, it can be folded up compactly. A replacement product without the pump is also available.

Details of Desired Business Partners / Collaboration Targets

Companies that are considering responding to, looking for, or supplying products to, policies related to environmental issues (SDGs, 3R+Renewable, Plastic Reduction Act, etc.). Companies that supply products to national government agencies and national institutions that are required to comply with the Green Purchasing Act, as well as to such government agencies. Local governments that are proactive in addressing environmental issues, and companies that supply products to such local governments.

Official Website URL

<http://www.kk-katsumata.co.jp>

A-10

Resource Recycling

## RECOTECH

### Organization / Company Profile

RECOTECH is a Resource Tech company with the mission of “Fulfilling Intergenerational Responsibility.” The current waste system is primarily based on incineration or landfill, which leaves a burden on the next generation. We aim to use technology to transform this structure and create a society where nature-positive economic development is possible.

### Overview of Business, Products, Services, and Research Themes

Pool is a cloud service that turns the end of a resource’s value into a new beginning. By digitizing urban resources through “pool,” we increase collection efficiency and design circular supply chains by connecting manufacturers who want to use recycled materials with businesses that generate waste. Throughout the entire process—from waste generation to transportation and recycling—we provide essential traceability information (where the material came from and what process it went through) and Scope 3 Category 1 and 5 CO2 emissions data, all through easy information sharing via smartphones and tablets

### Details of Desired Business Partners / Collaboration Targets

Companies that generate waste, companies that want to procure recycled materials, companies that conduct voluntary collection, collection and transport operators, etc.

### Official Website URL

<https://recotech.co.jp/>

A-11

Resource Recycling

## Wadashouten Co., Ltd. / Oiler Co., Ltd.

### Organization / Company Profile

Our company started with cement sales and has since expanded to various fields, including the sale and construction of cement, ready-mixed concrete, civil engineering and construction-related materials, and foundation work. We offer design and construction proposals for piling and ground improvement works in the civil engineering and construction sectors. We aim to continue contributing to a prosperous society as a technologically skilled "General Trading Company for Construction Materials."

### Overview of Business, Products, Services, and Research Themes

“TECCELL Flooring Method”: This is a direct-floor method where a TECCELL panel is inserted between the floor concrete and the surface finishing material. It is a laminated floor construction method that provides shock absorption while retaining rebound performance. By varying the density of the TECCELL and the elastic layer, rebound, cushioning, and elasticity can be controlled. Furthermore, indoor sound reverberation is suppressed in the low-frequency range, creating an easy-to-hear environment. This method is suitable for diverse needs, from various sports competitions to rehabilitation rooms for functional training. For aging gymnasium floors in public facilities, we propose an overlay method that installs the TECCELL floor without removing the existing floor.

### Official Website URL

<https://www.wadashouten.com/>



A-12

Resource Recycling

ARISMI21

#### Organization / Company Profile

Our company, ARISMI21, has been in the material sales and packaging business in Kawasaki City for approximately 82 years since its founding. From the perspective of recent environmental issues, and with the idea of not stopping at conventional material sales but also supporting our customers' environmental initiatives, we have started efforts to collect and recycle used plastic materials as recycled raw materials. Recently, we have been adopted by a major pharmaceutical wholesaler, and trials for introduction are increasing, mainly among large companies.

#### Overview of Business, Products, Services, and Research Themes

Establishing a circular economy for plastic materials in the logistics and distribution industry.

#### Details of Desired Business Partners / Collaboration Targets

In addition to customers who will implement our initiative, we are constantly looking for companies that can manufacture products using recycled raw materials.

#### Official Website URL

<https://www.arismi21.co.jp/>

A-13

Resource Recycling

AC Biode

#### Organization / Company Profile

AC Biode is a cleantech startup with chemistry, material science and electronics expertise. Funded by EIT InnoEnergy, a body of the EU, Genesis Ventures, etc., AC Biode is developing catalysts and processes to decompose mixed plastic waste and organic waste

#### Overview of Business, Products, Services, and Research Themes

With our catalysts, we decompose mixed, multi-layered plastic waste and organic waste at 200-300°C into monomers, hydrogen, CO, alcohol

#### Details of Desired Business Partners / Collaboration Targets

Companies that are interested in recycling mixed, multi-layered plastic waste and organic waste

#### Official Website URL

<https://acbiode.com/>

A-14

Resource Recycling

## Ryuki Engineering

### Organization / Company Profile

For nearly 50 years, we have continuously created optimal environments from underground to outer space. We are an environmental solutions engineering manufacturer that mechanically engineers the Earth's "flows"—air, water, soil, and more.

With our filter technology and problem-solving capabilities, we contribute to tunnel construction, environmental and disaster countermeasures, nuclear power, aerospace, factories, water treatment, and more, holding over 100 patents. Through filter innovation, we provide original products, technologies, and services.

### Overview of Business, Products, Services, and Research Themes

Our company is committed to innovation in the water treatment field, developing technologies for PFAS removal and resource recovery of lithium ions, ammonia, CO<sub>2</sub>, and more.

Our unique LFP (Liquid Filter Powder) method combines functional powders with high-precision filters to achieve high adsorption performance and precise filtration. The resulting "ECO Clean LFP" technology is already being widely adopted across various sectors.

Moreover, we have developed the new "LFP Cartridge" technology, characterized by its enhanced versatility, combining long service life, high efficiency, and low cost. Optimal materials such as activated carbon, ion exchange resin, or biochar can be selected according to the specific application.

### Details of Desired Business Partners / Collaboration Targets

As part of our water solutions, we are actively engaged in purifying harmful substances such as PFAS and recovering resources including lithium ions. We aim to develop and implement effective water treatment technologies through collaboration with manufacturers, trading companies, consultants, government agencies, universities and other organizations. We are expanding our network of cooperation to achieve the societal implementation of technologies that contribute to environmental conservation and resource circulation.

### Official Website URL

<https://www.ryuki.com/>

A-15

Resource Recycling

## Cyanology Co. Ltd

### Organization / Company Profile

Cyanology, a venture originating from Meiji University, supports the development of environmental technologies using microalgae.

In the bio-related sector, many businesses end up relying on investments or subsidies without launching actual products or services.

However, our company has achieved annual profitability without receiving any investment or loans.

We provide consulting, planning, and contract-based services for corporate environmental technology development.

If your company is considering taking action for the environment, we would be delighted to hear from you.

### Overview of Business, Products, Services, and Research Themes

We provide comprehensive support for bio-based manufacturing using microalgae and other microorganisms. Our services include the sale of microalgal culture media and glassware, consultation on new environment-related business initiatives, and contract-based research and development — such as preparing algal culture media, culturing microalgae, and performing genetic analysis.

### Official Website URL

<https://www.cyanobacteria.biz/>

A-16

Resource Recycling

Koushuu-Sangyou Co.,Ltd.

Organization / Company Profile

Based on our brand concept, "We love recycling," we not only process and sort waste but also aim to build a system that securely circulates resources back to where society needs them, ensuring they are reborn into new products.

Overview of Business, Products, Services, and Research Themes

As part of our sale of valuable materials business, we manufacture and sell Ecomate. Ecomate is a functional material primarily made from waste plastic, which plays the role of reducing iron oxide, adding carbon, and assisting in heating (roles traditionally performed by coke) when melting steel raw materials. Ecomate serves as a "fossil fuel substitute" in the steel manufacturing process, contributing to the effective utilization of waste and resource circulation.

Details of Desired Business Partners / Collaboration Targets

Companies that are considering reducing their environmental load through recycling technology for waste materials, such as iron powder and waste plastic.

A-17

Resource Recycling

Resonac Corporation

Organization / Company Profile

Resonac Corporation started on January 1, 2023, through the integration of the former Showa Denko and the former Hitachi Chemical. Our purpose is "Changing society with the power of chemistry." As a partner in advanced materials, we create the functions demanded by the times and contribute to the sustainable development of global society. We promote our business every day as a "Co-Creative Chemical Company," valuing four principles: "Commitment to Results as Professionals," "Agility and Flexibility," "Open Mind that Goes Beyond Boundaries," and "Foresight and High Ethical Standards for the Future."

Overview of Business, Products, Services, and Research Themes

At the Kawasaki Plant, we have been implementing "Plastic Chemical Recycling" since 2003, which recycles used plastics into chemical raw materials such as hydrogen and ammonia. Used plastic is gasified at high temperatures, decomposed to the molecular level, and hydrogen and CO<sub>2</sub> are extracted. We use absolutely no fossil fuels during steady-state operation. This is the world's only plant that has been operating stably for a long term of 20 years. This year, we started chemical recycling for a Portion of approximately 10,000 used uniforms generated annually at Lawson's stores, decomposing them to the molecular level and converting them to CO<sub>2</sub> and other substances for use as refrigerants, etc.

Official Website URL

<https://www.resonac.com/jp>

A-18

Resource Recycling

SAIBO CO.,LTD

#### Organization / Company Profile

SAIBO Corporation, based primarily in the southern Saitama region, has been expanding its business since its founding in 1948, focusing on textiles and real estate utilization, and is now in its 76th year. The Textile Business Division consists of the Material Department and the Apparel Department. The Real Estate Utilization Business Division utilizes two AEON Malls, two hospitals, three golf driving ranges, tennis courts, and more. Affiliated companies include an inkjet printing factory, an automobile dealership, an interior construction contractor, and a building maintenance company.

#### Overview of Business, Products, Services, and Research Themes

As part of the "sustainable" initiatives that the Textile Business Division is focusing on, "Ecoreal," a recycled polyester dope-dyed yarn available in 40 colors, "Ecoreal Bio," which uses plant-derived materials, we are not only selling yarn but also turning it into fabric and garment working with our Apparel Division. Furthermore, as our next initiative, we are promoting the "circular economy." We have applied for a wide-area industrial waste certification system and are establishing a supply chain that can collect used products and convert them into Textile-to-Textile and Textile-to-gas.

#### Details of Desired Business Partners / Collaboration Targets

Companies that use uniforms in factories or offices and are considering not only supplying uniforms by sustainable material but also collecting them after use.

#### Official Website URL

<https://www.saibo.co.jp/>

A-18

Resource Recycling

JEPLAN, INC.

#### Organization / Company Profile

JEPLAN's mission is "circulating everything." We are a company that promotes the circulation of finite resources. We utilize our unique PET chemical recycling technology to manufacture recycled resin from clothing and PET bottles. Through the BRING business, we collect clothing and develop products, contributing to the realization of a sustainable circular society.

#### Overview of Business, Products, Services, and Research Themes

We manufacture recycled materials from clothing and PET bottles using our proprietary chemical recycling technology. The BRING business promotes reuse and recycling by collecting clothing and other items at over 1,400 locations nationwide. We also develop apparel products and uniforms using BRING Material, contributing to the realization of a circular society.

#### Official Website URL

<https://www.jeplan.co.jp/>

A-18

Resource Recycling

SKLO Co.,Ltd

#### Organization / Company Profile

SKLO Co., Ltd. is a company based in Takatsu Ward, Kawasaki City, that plans, manufactures, and sells leather products, as well as upcycled items made from recycled materials. Making the most of limited resources, the company strives to create products that respect the background and appeal of the materials, while also contributing to reducing CO<sub>2</sub> emissions. Through sustainable manufacturing, the company operates in both BtoB and BtoC markets.

#### Overview of Business, Products, Services, and Research Themes

SKLO's "Design Upcycle" project utilizes materials no longer needed by companies or local communities and transforms them into products with new value. They develop products and hold workshops using materials such as equipment, screens, and banners from the Marunouchi TOEI Cinema, and used balls from sports teams. This project combines environmental consideration with design, and also contributes to reducing CO<sub>2</sub> emissions for companies.

#### Details of Desired Business Partners / Collaboration Targets

#### Official Website URL

<http://www.pb-sklo.com>

A-18

Resource Recycling

CHITOSE Group

#### Organization / Company Profile

In order to leave an environment where humanity can live in prosperity for the next thousand years, the Chitose Group is working with like-minded companies in the fields of pharmaceuticals, food, chemicals, agriculture, and energy to transform our society from one dependent on fossil resources to one based on photosynthesis, utilizing the power of small living organisms such as microorganisms, cells, and algae.

#### Overview of Business, Products, Services, and Research Themes

Aiming to transition from the current large-scale centralized model to a decentralized society based on biomass, we are promoting the realization of a recycling-based hub, "Chitose Bio Evolution District (C-BED)." By redefining organic waste as an unused resource and simultaneously creating diverse products and their markets through integrated bioprocessing using AI, we will establish a recycling system that is both economically and environmentally rational.

#### Details of Desired Business Partners / Collaboration Targets

We hope to be matched with companies that will work together to build new value chains with an eye toward the circular economy of the future, such as agriculture and food-related companies, waste disposal businesses, and companies interested in developing products resulting from recycling initiatives.

#### Official Website URL

<https://chitose-bio.com/jp/>

A-18

Resource Recycling

## ChopValue Manufacturing Japan Co.Ltd.

### Organization / Company Profile

ChopValue is a circular economy brand that transforms used chopsticks into high-performance materials for furniture and interior products. Without cutting down new trees, we create value from waste. By operating community-based microfactories, we manufacture and distribute locally, reducing environmental impact while delivering products that combine durability with refined aesthetics.

### Overview of Business, Products, Services, and Research Themes

Through proprietary technology, used chopsticks are compressed into a high-density material with hardness exceeding maple. This innovative material is utilized to produce tables, benches, wall panels, and other furniture and building components. With both beauty and strength, these products offer sustainable value for commercial spaces and offices.

### Details of Desired Business Partners / Collaboration Targets

At this exhibition, our goal is to strengthen partnerships with architectural design firms, interior companies, and restaurant operators. We will present our circular materials recycled from chopsticks, along with actual furniture and fixtures, to demonstrate how environmental responsibility and design can coexist. By sharing real-world case studies, we aim to foster collaboration and generate new business opportunities.

### Official Website URL

<https://chopvalue.jp>

A-18

Resource Recycling

## Nonverbal Inc.

### Organization / Company Profile

In addition to manufacturing aroma products using Yuzu, Mikan (mandarin oranges), and other products harvested in Kawasaki City, we operate a wide range of businesses, including planning, management, and proposals for various events, as well as administrative support. Through these activities, we deepen interaction and collaboration with local residents and children, working under the motto "Bringing Smiles to Everyone." Our scope of activities has further expanded through our involvement in the "National Urban Greenery Fair in Kawasaki" held from last year to this year, and receiving the SDGs Award. We are a small company managed by two family members, with an office in Sakado, Takatsu Ward (one minute from the Daisan Keihin / Keihin Kawasaki IC).

### Overview of Business, Products, Services, and Research Themes

Our main product is an aroma spray made with Yuzu harvested in Takatsu Ward, Kawasaki City. In addition to purchasing from local farmers, we also harvest fruit that has fallen from garden trees ourselves. The firewood chopping used for peeling and distillation is offered as a hands-on experience at city events, sharing the manufacturing process with the public. We have refreshed the packaging from the previous product and changed it to a 10mL single-use size. Box manufacturing and bottle printing are outsourced to businesses within the ward, and filling and boxing are outsourced to a welfare facility in Suenaga. The distillation plant is currently being moved from Tsuru City to Aso Ward, and distillation experience workshops are planned for the future.

### Details of Desired Business Partners / Collaboration Targets

Companies with physical stores that handle miscellaneous goods, etc., within the city (especially in the Takatsu Ward and Aso Ward areas). Companies developing consumer-oriented service businesses such as accommodation, tourism, and restaurants within the city. Individuals interested in planning small to medium-sized events, primarily held within the city.

### Official Website URL

<https://souveniraroma.stores.jp/>

A-18

Resource Recycling

PECKER SEIKO Co., Ltd.

#### Organization / Company Profile

Since its founding in 1968, Pecker Seiko has contributed to Japanese manufacturing as one of Japan's leading mold manufacturers.

Our track record spans a wide range of products, from industrial products to medical parts and specialty materials.

Our strength lies in our ability to coordinate the entire process, from planning and design, prototyping, mold manufacturing, and mass production.

Utilizing our high-level design skills, we have been involved in product development for many companies.

It is this history and accumulated technology that form the solid foundation for today's mass production of bioplastic products.

#### Overview of Business, Products, Services, and Research Themes

We support the development of bioplastic products using our unique mold and molding processing technology. We can recycle and commercialize all kinds of resources, including food waste and clothing waste.

#### Details of Desired Business Partners / Collaboration Targets

Companies that are considering focusing on circular economy and carbon neutrality.

#### Official Website URL

<https://pecker-seiko.com/>

B-01

Eco Solutions & SDGs Initiatives

## Kinoiro Corporation

### Organization / Company Profile

Utilizing local wood to nurture the future. We contribute to a sustainable society through OEM/ODM with companies committed to SDGs, by manufacturing products using thinned wood, Kanagawa Prefecture-produced wood, and upcycled wood (recycled wood). We belong to the Kawasaki City Wood Utilization Promotion Forum and the Odawara Hakone Woodworking Cooperative, and handle everything from planning to manufacturing consistently at our factory in Atsugi City. We respond to various needs, from novelty items and commemorative goods to original products and custom-made items!

### Overview of Business, Products, Services, and Research Themes

We effectively utilize thinned wood that has obtained the “Kanagawa Prefecture-Produced Wood Origin Certification” as well as wood harvested in Kawasaki City. Wood products have a function of fixing CO<sub>2</sub>, and upon delivery, we specify how much carbon is stored in the product. We support the businesses of companies working on SDGs through manufacturing that utilizes local resources and contributes to the realization of a decarbonized society.

### Details of Desired Business Partners / Collaboration Targets

Companies committed to the SDGs. Companies looking for environmentally friendly novelty items.  
Companies wanting to contribute to the local community by utilizing local wood.

### Official Website URL

<https://kinoiro.jp>

B-02

Eco Solutions & SDGs Initiatives

## K.LINE SERVICE Co., Ltd.

### Organization / Company Profile

We are a small company that was founded 17 years ago. Although we are small, we are flexible, so please feel free to contact us with any questions you may have about buildings, especially those related to water.

### Overview of Business, Products, Services, and Research Themes

We offer products that specialize in water, the most important thing in life. This time, we have the Ryosui Kobo whole-house water purifier, the Aquala nanobubble generator, and the SESERA phase-free water purifier.

### Details of Desired Business Partners / Collaboration Targets

Companies, local governments, and government agencies interested in Phase Free water purifiers that can be used to reduce toilet odors, clean water supply and drainage pipes, and in emergencies

### Official Website URL

<https://www.klsv.co.jp>



B-03

Eco Solutions & SDGs Initiatives

## MediScience Espoir Inc.

### Organization / Company Profile

MediScience Espoir Inc. is an R&D company pioneering a healthy future for people and the planet through the power of oxygen. Our patented oxygen-enriched water, "WOX®," is the world's only product that delivers oxygen to the body by drinking it. It is also utilized as a raw material for environmentally friendly products. We are advancing oxygen utilization technology in the health, beauty, and lifestyle sectors while promoting efforts to reduce environmental impact and realize a circular society.

### Overview of Business, Products, Services, and Research Themes

We are developing business in the healthcare, beauty, and environmental fields based on our proprietary oxygen-enriched water, "WOX®." WOX® is a new form of oxygen that compensates for the drawbacks of gaseous oxygen (it escapes from water / oxidizes substances / cannot be stored easily). It can be applied to medical, cosmetic, and lifestyle products. Furthermore, it is adopted as a raw material for "Eco Spray," which contributes to CO2 emission reduction, helping to expand environmentally friendly business. Our strength lies in a consistent system from research and development to commercialization, creating new market value through collaboration with partner companies.

### Official Website URL

<https://ms-espoir.co.jp>

B-04

Eco Solutions & SDGs Initiatives

## Hemicellulose Ltd.

### Organization / Company Profile

We are the world's only venture company developing and manufacturing plant-derived plastics using hemicellulose, which makes up about 20% of plants and trees. Hemicellulose is a polysaccharide found in plant cell walls. Although over 100 billion tons are produced globally each year, it is virtually unused worldwide because pure hemicellulose cannot be extracted through existing processes like those in paper mills. By leveraging our proprietary supply chain for extraction, purification, synthesis, kneading, molding, and mass production, we have successfully developed and manufactured the world's first biodegradable bioplastic using hemicellulose.

### Overview of Business, Products, Services, and Research Themes

Our company is committed to solving challenges such as "improving food loss, which accounts for 8–10% of global annual greenhouse gas emissions," and "maintaining sustainable agriculture and forestry aimed at suppressing illegal logging and slash-and-burn practices in regions with limited income and economic independence." As one solution for these issues, we provide the hemicellulose-containing bioplastic "HEMIX." We are continuously advancing R&D with the goal of "limiting the Earth's temperature rise to below 1.5°C" through our technology.

### Official Website URL

<https://hemicellulose.jp/>

B-05

Eco Solutions & SDGs Initiatives

## Daiwa House Industry Co.,Ltd.

### Organization / Company Profile

We create regenerative and recycling-oriented social infrastructure and a lifestyle culture to realize a world where we can share the joy of living. As a "group that co-creates value for people, cities, and lifestyles," we at the Daiwa House Group connect with all kinds of people, create cities that coexist with nature, and pave the way for happy, vibrant lifestyles to pave the way for the future.

### Overview of Business, Products, Services, and Research Themes

Agriculture (Plant Factory)

We promote agriculture that allows for safe, secure, and healthy lifestyles to continue for a long time. The "agri-cube ID" plant factory system combines Daiwa House Industry's architectural solutions with Sankyo Tateyama's cultivation technology.

### Official Website URL

<http://www.daiwahouse.co.jp>

B-06

Eco Solutions & SDGs Initiatives

## AQUAINTEC CORPORATION

### Organization / Company Profile

Our company has been developing businesses centered on sewerage infrastructure since it began operations in 1972. In 2013, we joined the Air Water Group, and to achieve our purpose of "Turning the Earth's blessings into society's hopes," we will continue to tackle the challenges of solving the issues faced by our customers and society, and continue to take on the challenge of creating new value.

### Overview of Business, Products, Services, and Research Themes

We rehabilitate sewer pipes and manholes, sell related equipment and materials, and develop, design, manufacture, and construct sewage treatment facilities to ensure the safety and security of citizens' lives.

### Details of Desired Business Partners / Collaboration Targets

- Businesses interested in addressing aging infrastructure (pipe lines) on their premises
- Businesses interested in wastewater sludge treatment

### Official Website URL

<https://aquaintec.co.jp/>

B-07

Eco Solutions & SDGs Initiatives

Nihon Kaisui Co., Ltd.

Organization / Company Profile

As a leading salt company boasting the top market share in Japan, Nihon Kaisui delivers safe and secure salt to everyone. Building on the technical capabilities and passion for manufacturing cultivated through salt production, the company utilizes seawater resources to expand its business into a wide range of fields, including food, the environment, and electricity. The Environmental Business Division contributes to environmental conservation through products and technologies such as magnesium hydroxide, which is used for desulfurization and neutralization; the READ series of adsorbents, which are primarily used for the advanced treatment of arsenic, fluorine, and boron contained in groundwater and industrial wastewater; and READ-CX, a flocculant that efficiently precipitates heavy metals.

Overview of Business, Products, Services, and Research Themes

The READ series can selectively adsorb elements such as fluorine, arsenic, and boron in target water, and is used to treat tunnel spring water, well water, and industrial wastewater. Simply pass the water through an adsorption tower filled with adsorbent to adsorb the target elements, which can then be regenerated and reused. READ-CX(L) can treat difficult-to-treat elements such as boron, selenium, and hexavalent chromium, and because it is a liquid, it can easily replace existing coagulants. By reducing the amount of chemicals added compared to conventional coagulants, it is expected to reduce the amount of sludge generated and therefore costs.

Official Website URL

<https://www.nihonkaisui.co.jp/>

B-08

Eco Solutions & SDGs Initiatives

EcoCycle Corporation

Organization / Company Profile

As a company specializing in soil contamination countermeasures, we offer advanced in-situ remediation technology that minimizes environmental impact. We provide consistent support from statutory investigations to remediation construction, selecting the optimal method for each site. We are particularly strong in biotechnology, and by utilizing our proprietary remediation agents, we can flexibly respond to even complex contamination. Our technical capabilities have been highly praised, winning the Minister of the Environment Award and being certified as a target technology for Tokyo's Sustainable Soil Contamination Countermeasures Support Project. We have a long track record both domestically and internationally, supporting land use and redevelopment for companies and local governments and contributing to the realization of a sustainable society.

Overview of Business, Products, Services, and Research Themes

Our one-stop solution can be trusted to handle everything from soil contamination investigations and countermeasures to government responses and real estate development support. Countermeasures do not rely solely on excavation, but combine in-situ remediation methods such as bioremediation and chemical oxidation decomposition depending on the type of contaminant and on-site conditions, achieving both low cost and low CO2 emissions. In-situ remediation can be carried out at operating factories without shutting down operations, and can meet a variety of needs. With the strengths of in-situ remediation and our one-stop system, we strongly support the improvement of asset value and sustainable land use.

Details of Desired Business Partners / Collaboration Targets

We hope to collaborate with major manufacturers, Kawasaki City, and Kawasaki Shinkin Bank, with the aim of providing technology and support to manufacturing companies with large factories in Kawasaki City and local factories.

Official Website URL

<https://www.ecocycle.co.jp/>

B-09

Eco Solutions & SDGs Initiatives

Nippon Nyukazai Co., Ltd.

#### Organization / Company Profile

We are a technology development company that expands the possibilities of chemicals, focusing on the three areas of environment, lifestyle, and digital. Leveraging our strengths in proposals that address customer challenges and organic synthesis technology that supports a range of over 500 products, we provide high-quality, highly functional products and respond flexibly to the needs of a wide range of industries.

#### Overview of Business, Products, Services, and Research Themes

We contribute to a variety of industries through the manufacture of surfactants, glycol ethers, and amine derivatives. In the environmental field in particular, we contribute to reducing environmental impact by reducing greenhouse gas emissions through the provision of amine derivatives for carbon dioxide absorbents, and by curbing organic solvent emissions through the provision of surfactant products that promote the development of water-based paints. Furthermore, we aim to realize a sustainable society by promoting research and development that focuses on low environmental impact and resource recycling, including the development of cellulose dissolving agents that promote the use of biomass.

#### Details of Desired Business Partners / Collaboration Targets

- Companies considering introducing chemical recycling and upcycling technologies
- Companies looking for chemicals made from biomass-derived materials
- Companies looking for alternative chemicals that are not subject to PFAS and other regulations
- Companies looking to reduce wastewater and liquid waste and save energy by streamlining their cleaning processes

#### Official Website URL

<https://www.nipponnyukazai.co.jp/>

B-10

Eco Solutions & SDGs Initiatives

PLANTX corp.

#### Organization / Company Profile

PLANTX is committed to realizing a new food supply system using artificial light plant factories by bringing together advanced manufacturing technologies. We have independently developed the world's first closed-system cultivation device and plant growth control software. The introduction of these technologies enables food production with excellent efficiency, stability, and versatility for diverse varieties, as well as cutting-edge research and development such as the cultivation of high-value-added plants rich in specific beneficial components. We hope that our sustainable food supply system will create a new standard for global food and agriculture.

#### Overview of Business, Products, Services, and Research Themes

As resource depletion and environmental destruction pose challenges, the demand for safe and healthy food is increasing. Plant factories are expected to be a form of sustainable agriculture, but the technology is still developing. We will introduce our next-generation plant factory, which achieves stable production by integrating our technologies.

#### Official Website URL

<https://www.plantx.co.jp/>

B-11

Eco Solutions & SDGs Initiatives

KONDO KOGEI.co.ltd

Organization / Company Profile

We support our customers by developing, designing, and manufacturing unique products.  
Creating power where there is none: Independent power sources using chemical batteries suitable for extremely cold regions.

Overview of Business, Products, Services, and Research Themes

Sign Division: Manufacture and installation of adhesive floor signs for station staff use on railway station platforms.  
Battery Construction Method® - Independent power source for extreme cold climates.

B-12

Eco Solutions & SDGs Initiatives

Institute of Science Tokyo

Organization / Company Profile

To achieve Tokyo University of Science's mission of "pursuing scientific progress and human happiness, and creating new value together with society," we will undertake initiatives that no other university has undertaken until now. We will promote "solving social issues through research" university-wide and expand the possibilities of universities in society.

Overview of Business, Products, Services, and Research Themes

We are targeting water pollution caused by blue-green algae, which is a problem in many lakes and ponds around the world, and are quantitatively evaluating the effect of photocatalytic reactions caused by sunlight irradiation on blue-green algae, and based on this, developing on-site purification technology (blue-green algae removal).

Official Website URL

<https://www.isct.ac.jp/ja>

B-13

Eco Solutions & SDGs Initiatives

## Kawasaki Water Business Network

### Organization / Company Profile

The Kawasaki Water Business Network (Kawa Biz Net) is a platform that promotes water business by linking private companies with water-related technologies and products with Kawasaki City, which has technical expertise and know-how in water supply and sewage operations, while also getting help from related government agencies and organizations.

### Overview of Business, Products, Services, and Research Themes

As of August 2025, 96 members and 13 cooperators are participating in the network. With a focus on Asian regions with which Kawasaki City has exchange relationships, the network is working to realize water business initiatives through public-private collaboration, contributing to the improvement of global water environments.

### Official Website URL

<https://www.kawabiznet.com/>

B-13

Eco Solutions & SDGs Initiatives

## Informatix

### Organization / Company Profile

Informatics was founded with the aim of bringing British-made architectural CAD, which the founder was involved in developing, to the Japanese market.

The company has since expanded into GIS, which manages wide-area information on electronic maps, and then into a business that displays CAD and model data using XR technology. Based on its in-house developed spatial information system, Informatics' appeal lies in its ability to develop highly flexible systems for visualization and analysis for business purposes, including in the public and infrastructure sectors.

### Overview of Business, Products, Services, and Research Themes

Informatics offers a range of GIS products that can be customized to meet your needs. We also offer cloud GIS services, such as "GC Maps," which will be introduced at this exhibition, that can be used with just an internet connection. GC Maps does not require any server setup or software updates, and is licensed only for the required period and number of users, keeping implementation and operating costs low. Compatible with PCs, tablets, and smartphones, you can access the service from any device you like, depending on your needs.

B-13

Eco Solutions & SDGs Initiatives

Nippon Basic Co., Ltd.

#### Organization / Company Profile

The gasoline engine-powered seawater desalination system, Desaliclean9000, is used around the world, including by the Bangladesh Red Crescent Society (Japan Red Cross Society).

#### Overview of Business, Products, Services, and Research Themes

The CC Portable SP and SPX, small water purifiers that fit into carry cases, have proven their effectiveness in situations such as the floods in Ukraine.

B-13

Eco Solutions & SDGs Initiatives

WAKO KEISOKU CO.,LTD.

#### Organization / Company Profile

Wako Measurement Co., Ltd. is a manufacturer of liquid level gauges and measuring instruments with 57 years of history. Many of our products are used by electric power companies, water supply and sewerage systems, and other organizations. We also provide support for product development and manufacturing. Please feel free to contact us with any problems or concerns you may have.

#### Overview of Business, Products, Services, and Research Themes

Our company is a manufacturer of liquid level gauges, valve opening gauges, depth gauges, float switches, and more. We particularly specialize in pressure-resistant, explosion-proof products, but we also design, develop, and manufacture a variety of other products. One of these is the PanoShot R, an LED for 360° cameras. This time, we'd like you to take a look at various measuring instruments and the PanoShot R.

#### Details of Desired Business Partners / Collaboration Targets

- Emergency generator manufacturers
- Tank manufacturers
- Gate manufacturers
- Building inspection companies
- Startups (prototypes and development)
- Oil refineries
- Steel companies
- Plant design companies

B-14

Eco Solutions & SDGs Initiatives

Kawasaki-shi building maintenance business cooperative

Organization / Company Profile

The Kawasaki City Building Maintenance Industry Cooperative was founded in January 1993 with the motto of "creating living spaces where building users can live comfortably." We are registered with Kanagawa Prefecture and Kawasaki City under the Law Ensuring Sanitary Environments in Buildings, and conduct our business activities based in Kawasaki City. Regarding public procurement work, the Small and Medium Enterprise Agency (Kanto Bureau of Economy, Trade and Industry) has certified us as a "Public Procurement-Qualified Cooperative," demonstrating that we are a cooperative with an established management foundation that can take full responsibility for your orders.

Overview of Business, Products, Services, and Research Themes

A new carpet cleaning method that contributes to carbon neutrality. Traditionally, carpet tiles are replaced when soiled and then disposed of as waste. Approximately 20 million meters of carpet need to be replaced each year, resulting in a total waste volume of approximately 100,000 tons. We propose technologies that reduce waste and reuse, aiming to realize a sustainable society.

Details of Desired Business Partners / Collaboration Targets

Companies considering replacing carpets

Official Website URL

<http://kbc.ict-jig.com/>

B-15

Eco Solutions & SDGs Initiatives

Nikken Ishibashi Co., Ltd.

Organization / Company Profile

Since 2001, we have focused on postering (direct mail insertion) and have developed delivery services tailored to the needs of our clients. We are encouraged by the sentiment that "Kawasaki City relies on Nikken Ishibashi," which has brought us to where we are today. We will not be complacent with the current situation; we are committed to further improving customer satisfaction while also promoting internal operational improvements, such as building systems to maximize the efficiency of our corporate activities. We sincerely ask for your continued patronage and encouragement in the future.

Overview of Business, Products, Services, and Research Themes

DM design, mail delivery, postering, and shipping/delivery services.

Official Website URL

<http://www.nikkenmailbin.co.jp>



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B-16

Eco Solutions & SDGs Initiatives

ACT Co.,Ltd

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**Organization / Company Profile**

Act Co., Ltd. manufactures and develops materials for purifying waste liquids and sewage. Our products are manufactured using environmentally friendly materials and have been certified by public institutions. We have data from hundreds of waste liquid experiments and are constantly developing new products to handle various types of waste liquids.

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**Overview of Business, Products, Services, and Research Themes**

Our flocculant “SUIMU” is mainly composed of inorganic materials such as zeolite, making it more environmentally friendly than conventional products. It is also used in ornamental ponds where fish live. In addition, we offer product numbers that can handle highly concentrated and complex waste liquids produced in factories, allowing customers to choose from a variety of “SUIMU” product numbers depending on their waste liquid. We also offer free samples and free testing of “SUIMU,” so please feel free to try it out and consider it for your needs.

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**Details of Desired Business Partners / Collaboration Targets**

Those who currently entrust waste liquid treatment to industrial waste disposal companies but are considering doing it in-house.  
Trading companies with many customers in the civil engineering and construction industries and small factories.  
Paint manufacturers.

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**Official Website URL**

<https://www.act-yume.jp>

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B-17

Eco Solutions & SDGs Initiatives

IMU GENOS Co., Ltd.

Organization / Company Profile

We develop and provide consulting services for the implementation of medical information systems that enhance efficiency and safety in healthcare settings, as well as plan and market related products. At the same time, in the environmental sector, we focus on the planning, sales, and maintenance of pyrolysis systems that convert waste into valuable resources, contributing to the realization of a sustainable society. Through our pyrolysis technology, we support zero-emission and carbon-neutral initiatives while addressing the challenges faced by local communities and businesses. Leveraging the expertise and reliability we have cultivated in both the medical and environmental fields, we deliver peace of mind and innovative value to our clients.

Overview of Business, Products, Services, and Research Themes

Our pyrolysis system business aims to convert waste into valuable resources while reducing environmental impact. Leveraging our proprietary technology, we handle a wide range of waste, from general refuse to plastics and agricultural residues, producing reusable gas and carbon materials without combustion and minimizing harmful gas emissions. We are currently developing metal catalytic filters for exhaust gas treatment and pre-drying functions that utilize exhaust heat. In addition to sales and installation support, we provide maintenance services to ensure stable operation. By implementing “local treatment for local waste,” our systems contribute to zero-emission and carbon-neutral initiatives, supporting sustainable and efficient waste management at the community level.

Details of Desired Business Partners / Collaboration Targets

In promoting environmental impact reduction and resource recycling through our pyrolysis systems, we seek collaboration with a diverse range of businesses facing challenges in waste management. Specifically, we target organizations such as medical institutions, food processing companies, and livestock producers, as well as any enterprises struggling to handle waste like plastics or agricultural residues. We also aim to partner with universities and research institutions for joint development of system performance improvements and new technologies. By realizing “local treatment for local waste,” we strive to convert waste into resources on-site, enabling both cost reduction and environmental protection, and we actively pursue partnerships with companies and organizations that share this vision, contributing to the sustainability of local communities.

Official Website URL

<https://imugenos.com/>

B-18

Eco Solutions & SDGs Initiatives

UNION Co.,Ltd

#### Organization / Company Profile

Take on the challenge of protecting the future of the planet!

We are committed to realizing a sustainable society through the development and manufacturing of bioplastic products made from bamboo and other renewable resources.

- Our latest products using UNI-PELE
- Our manufacturing process contributes to reducing CO2 emissions
- Our product lineup supports the circular economy

This is an opportunity to see firsthand how we create products that coexist with the global environment.

"Protect the future by using them."

Please come and experience these products for yourself at our booth.

#### Overview of Business, Products, Services, and Research Themes

Our bioplastic materials and products have received numerous inquiries and proven success from companies in a variety of fields as a solution to the CO2 reduction problem. Our main material, our proprietary UNI-PERE, is 52PEREは、52% naturally derived material (antibacterial material containing bamboo powder, etc.), with the remaining 48PEREは、52% being general-purpose resin PP. We plan and manufacture original products using our unique technology and track record. We sincerely hope to assist you with new product plans, changes to environmentally friendly materials, etc.

#### Official Website URL

<https://uni-project.co.jp/>

B-19

Eco Solutions & SDGs Initiatives

Mitsubishi Fuso Truck & Bus Corp.

#### Organization / Company Profile

Mitsubishi Fuso Truck and Bus Corporation (MFTBC) is a commercial vehicle manufacturer headquartered in Kawasaki City. With a history spanning more than 90 years, the company develops, manufactures, and sells FUSO brand trucks, buses, and industrial engines to approximately 170 markets around the world. The company is actively engaged in the development of advanced technologies, including electrification with the eCanter, Japan's first mass-produced electric light truck, and the implementation of advanced driving assistance technology equivalent to SAE Level 2 in the Super Great heavy-duty truck, the first such technology to be implemented in a Japanese commercial vehicle.

#### Overview of Business, Products, Services, and Research Themes

"FUSO" is a brand of Daimler Trucks. It provides commercial vehicles such as trucks and buses, as well as industrial engines, in approximately 170 markets around the world. With over 90 years of history and uniquely Japanese quality and expertise, FUSO is known for its efficiency, safety, and comfort. Its light-duty truck, the "Canter," has captured top market shares in various markets around the world, and it is leading the electrification of commercial vehicles with the global launch of Japan's first mass-produced electric light-duty truck, the "eCanter."

C-01

Energy Solutions (Renewables & Hydrogen)

## Shimadzu Corporation

### Organization / Company Profile

Shimadzu Corporation is a precision equipment manufacturer that celebrated its 150th anniversary this year, and its philosophy is to "contribute to society through science and technology." The company also provides high-precision analytical and measuring instruments in the environmental and energy fields, contributing to solving various social issues.

### Overview of Business, Products, Services, and Research Themes

GC Gas Analysis Applications in Carbon Recycling/Decarbonization Research and Development  
Evaluation Technology Applications Supporting the Development of Hydrogen Storage and Transportation Components

### Official Website URL

<https://www.shimadzu.co.jp/>

C-02

Energy Solutions (Renewables & Hydrogen)

## Kawasaki Heavy Industries, Ltd

### Organization / Company Profile

A variety of hydrogen-powered vehicles will travel the streets, and electricity and heat generated by hydrogen energy will be used in all aspects of life. Aiming to realize such a "hydrogen society," Kawasaki is continuing to take on challenges in many areas to build a hydrogen supply chain, including building infrastructure for hydrogen supply and developing technologies to expand hydrogen use. At this exhibition, we will be introducing Kawasaki's efforts in the hydrogen business. Please stop by our booth.

### Overview of Business, Products, Services, and Research Themes

The exhibition will showcase Kawasaki's cutting-edge technologies, including the progress of the construction of a liquefied hydrogen supply chain in the Kawasaki waterfront area, liquefied hydrogen supply chain-related products (liquefied hydrogen carriers, liquefied hydrogen receiving terminals, liquefied hydrogen tanks, etc.), and hydrogen utilization-related products such as hydrogen gas turbines and hydrogen gas engines.

### Official Website URL

<https://www.khi.co.jp/>

C-03

Energy Solutions (Renewables & Hydrogen)

Mitsubishi Kakoki Kaisha, Ltd.

#### Organization / Company Profile

Mitsubishi Kakoki's corporate philosophy is to "contribute to the development of society by providing high-quality products and equipment based on reliable technology and thorough quality control rooted in manufacturing." We will respond to the needs of the new era, proactively take on new business fields, and provide products, technologies, and services that meet all of our customers' requests.

#### Overview of Business, Products, Services, and Research Themes

At this exhibition, we will introduce various Mitsubishi Chemical Engineering & Machinery's hydrogen business products and technologies aimed at realizing a decarbonized society. We will introduce hydrogen production technology using sewage biogas, which is attracting attention as a renewable energy source, as well as our lineup of hydrogen production equipment that is being used in a variety of fields. We will also introduce our hydrogen storage alloy delivery system, which is attracting attention as a hydrogen transportation method.

#### Official Website URL

<https://www.kakoki.co.jp>

C-04

Energy Solutions (Renewables & Hydrogen)

MIURA CO., LTD.

#### Organization / Company Profile

Miura is looking ahead to the future of "Carbon Neutrality by 2050," promoting low-carbonization through thorough energy saving, automation, and labor saving as its 2030 goal. We aim to contribute to environmental load reduction and decarbonization by expanding hydrogen and electric boilers and developing new fuel-compatible technologies toward 2050. Please stop by our booth to learn about our products, such as electric boilers, hydrogen fuel boilers, and heat recovery compressors, as well as Miura's new technologies and initiatives for carbon neutrality.

#### Overview of Business, Products, Services, and Research Themes

##### [Electric Boiler]

We achieve steam carbon neutrality by replacing fossil fuels like gas and oil with electric boilers that use green electricity (solar, wind, biomass, etc.).

##### [Hydrogen Fuel Boiler]

Hydrogen combustion only produces water, resulting in zero CO2 emissions. The AN-2000BS is the first in Japan in the 2,000kg/h equivalent evaporation class to acquire the Tokyo Low-NOx/Low-CO2 Small-Scale Combustion Equipment "Grade HH" certification. It also achieves a boiler efficiency of 105% with a latent heat recovery high-efficiency economizer. We will also present case studies of hydrogen boiler installations at the booth.

#### Official Website URL

<https://www.miuraz.co.jp/>

C-05

Energy Solutions (Renewables & Hydrogen)

## EBARA CORPORATION

### Organization / Company Profile

The Ebara Group has technologies and potential that are compatible with a hydrogen society. By co-creating and generating synergies with all of our businesses and external partners, we aim to create a hydrogen business unique to Ebara in the fields of "production, transportation, and use."

### Overview of Business, Products, Services, and Research Themes

1. Liquid Hydrogen Centrifugal Pump
2. Liquid Hydrogen Plunger Pump (for Hydrogen Stations)
3. Hydrogen-Fired Absorption Chiller/Heater

### Official Website URL

<https://www.ebara.com/jp-ja/>

C-06

Energy Solutions (Renewables & Hydrogen)

## ELIY Power Co., Ltd.

### Organization / Company Profile

We are a specialized manufacturer of large-scale stationary lithium-ion batteries, handling development, manufacturing, and sales consistently. We prioritize the safety of the battery cell itself in our R&D, achieving world-class safety and long life. Our high-performance energy storage systems have been adopted by government agencies and municipalities, contributing to BCP (Business Continuity Planning) measures and securing power during disasters.

### Overview of Business, Products, Services, and Research Themes

ELIY Power's storage batteries, "POWER YIILE 3" and "Power Storer GX," are domestically produced energy storage systems using highly safe, high-performance battery cells manufactured in Mizue-cho, Kawasaki City. "POWER YIILE 3" is a portable model for homes and offices that allows for easy installation. "Power Storer GX" is a large-capacity model for industrial use, featuring uninterruptible switching, cloud management compatibility, and long-life performance.

### Details of Desired Business Partners / Collaboration Targets

We look forward to meeting with individuals and companies who agree with further popularizing our lithium-ion battery-equipped energy storage systems, which are developed and manufactured in Kawasaki City. In particular, we would like to propose the introduction of large-scale energy storage systems optimal for BCP and renewable energy use to companies within Kawasaki City.

C-07

Energy Solutions (Renewables & Hydrogen)

## Fukuvi Chemical Industry CO.,LTD.

### Organization / Company Profile

Fukuvi Chemical Industry is a comprehensive manufacturer that handles a wide range of products, from residential building materials to environmentally friendly products. In recent years, with the aim of "realizing a carbon-free society," the company has been focusing on developing products that utilize recycled materials and natural energy. This time, the company will be exhibiting stand-alone solar LED lighting that uses solar power. It can be installed without any power supply construction work and is easy to maintain, making it an ideal product for public spaces and disaster prevention infrastructure.

### Overview of Business, Products, Services, and Research Themes

The new products "Lumenite" and "Rayovia" are independent power supply LED lighting that uses a vertically arranged solar unit. They can be installed without wiring work and can light up independently even during a power outage. They have a slim design that does not spoil the landscape and are highly workable as they can be installed without the use of heavy machinery. They are next-generation solar lighting that creates a safe and comfortable outdoor space while reducing the environmental impact.

### Details of Desired Business Partners / Collaboration Targets

Local governments and government agencies (departments promoting disaster prevention and environmental measures)

Companies that own parks, commercial facilities, factories, logistics centers, and other facilities

Architectural and landscape design firms

Developers and urban development organizations

Companies considering the introduction of renewable energy and energy-efficient lighting

### Official Website URL

<https://solarled.jp/>

C-08

Energy Solutions (Renewables & Hydrogen)

NIIGATA Co.,Ltd

Organization / Company Profile

Niigata provides research and development services.

No two inquiries or requests from researchers are the same.

There is a world that you can't know until you try, that you can't understand until you make, that you can't see unless you delve into it together with your customers.

We view this as a research and development service, and we think together with our customers as their research and development partner.

We support the creation of new value to solve problems in a wide range of fields. We look forward to hearing from you.

Overview of Business, Products, Services, and Research Themes

Business

- R&D Support Services
- R&D Knowledge Services
- R&D Consulting

In recent years, we have received numerous inquiries in areas such as CCS, CCUS, decarbonization, and energy resource recovery, in order to achieve carbon neutrality by 2050.

Examples of Requests

- Design and manufacturing of proof-of-concept equipment (custom equipment) from lab to pilot scale
- Joint product development/technical consulting from prototyping to mass production
- Identifying issues and proposing solutions for various operational scenarios
- Consideration of specifications tailored to your research objectives
- Consideration of future scalability, etc...

Details of Desired Business Partners / Collaboration Targets

★We offer consultations in a wide range of fields.

Energy / Automotive / Aerospace / Marine / Communications / Medical / Other

★Toward achieving carbon neutrality by 2050

Lithium-ion batteries / Hydrogen fuel cells / Artificial photosynthesis / Formic acid / Cryo-DAC / CO2 capture and conversion, etc.

- Those looking to prepare equipment and fixtures for experiments/demonstrations
- Those seeking a partner who can handle everything from start-to-finish research and development
- Those looking for consultations from the concept stage
- Those whose research and development is struggling due to a lack of internal resources
- Those looking to request specification additions or changes after initial use

Official Website URL

<https://ni-gata.co.jp/>



C-09

Energy Solutions (Renewables & Hydrogen)

EneAgri.Co.Ltd

#### Organization / Company Profile

The founder, Miyagawa, faced structural challenges in farm management 20 years ago, including disposal costs from over-harvesting and high electricity costs associated with temperature control. Starting from these challenges, he later served as the head of new business development at a company boasting the number one domestic share in livestock wastewater treatment, working to create a sustainable resource circulation system. We currently develop and provide a small, wet-type MP methane fermentation plant utilizing our proprietary fermentation technology, "MP Methane Bacteria." This system efficiently circulates the following resources while treating livestock wastewater without the use of coagulants.

#### Overview of Business, Products, Services, and Research Themes

This is a circular business model centered on our unique small-scale methane fermentation equipment, which converts organic waste—such as agricultural residues, restaurant food waste, and toilet wastewater during disasters—into resources. With a lightweight and low-cost fermenter, we solve customer management challenges such as waste processing and energy costs, contributing to the realization of a decarbonized society and the strengthening of disaster resilience.

#### Details of Desired Business Partners / Collaboration Targets

Agriculture and livestock industry, food-related companies, accommodation and tourism facilities, construction and infrastructure, local governments and public facilities, environmental and energy-related companies.

#### Official Website URL

<https://eneagri.com/>

C-10

Energy Solutions (Renewables & Hydrogen)

Sanno Co., Ltd.

#### Organization / Company Profile

Founded 68 years ago, Sanno is a leading company in the field of precious metal surface treatment processing, supporting the electronic components industry with its reliable production capacity and technical expertise. Applying that technology, we are currently developing hydrogen-permeable membranes, which are essential for hydrogen purification. At this exhibition, we will be introducing a noteworthy new technology: hydrogen-permeable membranes made using electroplating. Come visit our booth to see the technology that will support the energy society of the future.

#### Overview of Business, Products, Services, and Research Themes

Palladium is generally used in metallic permeable membranes for hydrogen purification. While palladium has high hydrogen permeability, it is rare and expensive, making it difficult to reduce its usage. Sanno has applied its precious metal electroplating technology, which it has cultivated over many years, to develop an ultra-thin hydrogen permeable membrane with a thickness of less than 10μm. This has made it possible to significantly reduce the amount of palladium used compared to conventional methods.

#### Official Website URL

<https://www.sanno.co.jp/>

C-11

Energy Solutions (Renewables & Hydrogen)

## Green Power by Accelerated Flow Research LLC

### Organization / Company Profile

We have invented a new type of wind-collecting wind turbine based on our unique technological ideas, and obtained numerous patents, including overseas. In collaboration with Ashikaga University and Nagaoka University of Technology, we have confirmed the effects of doubling wind speed and increasing output more than 10 times. We are currently collaborating with Kanazawa University and Kawasaki City to conduct experiments on the rooftops of their buildings, and are researching its commercialization with the cooperation of the University of Tokyo's Research Center for Advanced Science and Technology. This is a wind turbine revolution to significantly contribute to the development of renewable energy in Japan and is particularly suited to Japan's weak wind strength.

### Overview of Business, Products, Services, and Research Themes

The Wind Speed Acceleration Wind Turbine is a groundbreaking product. It is safe, inexpensive, quiet, highly durable, generates six to seven times the normal amount of electricity per year, and can generate power from even the lightest breezes. It is expected to make a significant contribution, especially in times of disaster as an urban wind turbine independently self-generating power sources. It can be installed on the roofs of small buildings. Through the experiments, we have maximized the effect of our original invention to accelerate and increase wind currents with our unique wind collection device. It fully utilizes the internal and external wind flow and achieves safety, and security effects. We are currently promoting to develop a practical machine.

### Details of Desired Business Partners / Collaboration Targets

We are currently moving forward with the development and production of actual equipment to put into practical use of the results and the knowledge of our research and development efforts and the patents we have acquired. To this end, we are seeking companies that will appreciate the results of our activities, understand our position, and invest in us (people, things, funds), as well as companies that will cooperate with us in joint development, design and prototyping, and the provision of technology and materials.

We also hope to speed up the development of "a best-selling low-cost, high-performance small wind turbine with a robust wind collector" through collaboration, information exchange, and mutual support with companies developing and manufacturing small wind turbines.

### Official Website URL

<https://www.gpaf.jp/>

C-12

Energy Solutions (Renewables & Hydrogen)

enefla

#### Organization / Company Profile

Our main business is our EV charger billing service, and we are working to solve infrastructure issues toward achieving carbon neutrality.

We offer a one-stop service, developing the charger billing system and handling subsidy applications in-house, while our group companies handle installation work.

Our Ene-Fura Billing System was selected for Kawasaki City's Small and Medium-sized Enterprise Digital Transformation Model Development Support Project in fiscal year 2024.

We are currently expanding our business to the Kanto area, with a focus on Kawasaki City, in order to solve infrastructure issues.

While what we can do is still small, we hope to make steady progress and contribute to society.

#### Overview of Business, Products, Services, and Research Themes

##### ■Service Overview

The "ENEFLA Billing System" is simple and convenient, with no membership registration required.

We offer EV charger sales and installation, billing services, and subsidy application support.

Charging fees can be an issue in locations with large numbers of users, such as apartment complexes and stores.

By implementing our "ENEFLA Billing System," you can collect usage fees from charger users.

In addition, since it's completely cloud-based, no construction work other than charger installation is required; simply attach a QR code sticker to the charger itself.

#### Official Website URL

<https://enefla.co.jp/>

C-13

Energy Solutions (Renewables & Hydrogen)

Kawasaki New Energy Promotion Association

#### Organization / Company Profile

Our association is an organization that works to promote the spread of new energy sources and expand technical knowledge. This year marks the 17th year since our founding, and this year we have revamped our system to enable large companies, small and medium-sized enterprises, venture companies in the city, and Kawasaki City Hall to carry out activities more quickly than ever before, for the benefit of citizens, businesses, and Kawasaki City.

#### Overview of Business, Products, Services, and Research Themes

On the day, we will be introducing the cutting-edge efforts of our member companies (large corporations, small and medium-sized enterprises, and venture companies) regarding new energy, as well as our association's future policy and initiatives. We hope that this will be an opportunity for many people to learn about our association. We look forward to seeing you there.

#### Details of Desired Business Partners / Collaboration Targets

Companies that are interested in our association

C-14

Energy Solutions (Renewables & Hydrogen)

## CSD Research and Development

### Organization / Company Profile

GoINGREEN is a "Green Inazuma Community" that sparks more exciting innovations based on environmental friendliness, greenness, and energy conservation. By combining individual strengths and ideas, the possibilities are endless. Why not take on the challenge of Green optimization, optimizing growth and profits?

### Overview of Business, Products, Services, and Research Themes

1. More convenience and fun through value innovation in the information environment
2. More accuracy, beauty, and flexibility through artificial intelligence technology
3. More environmentally friendly and cost-optimized through renewable energy and energy conservation
4. Supporting urban development and revitalization to create local communities where people and animals can live vibrantly, happily, and easily connect

### Official Website URL

<http://www.goingreen.net>

C-15

Energy Solutions (Renewables & Hydrogen)

## Isuzu Co., Ltd.

### Organization / Company Profile

An electrical construction company founded about 50 years ago with its head office and base in Kawasaki City. We have been involved in solar power generation initiatives for over 40 years, and are currently taking on challenges in grid-scale energy storage, data centers, and DC power supply initiatives. We will be transmitting our business from Kawasaki City to the world for the future of Japan!

### Overview of Business, Products, Services, and Research Themes

At this exhibition, we will introduce a wide range of initiatives, including "SHERL SHINYOKOHAMA" being developed in front of JR Kozukue Station, "Distributed (Container-Type) Data Centers," "Grid-Scale Energy Storage," and "DC Power Supply." We look forward to meeting everyone at our booth on the day.

### Details of Desired Business Partners / Collaboration Targets

Companies interested in our initiatives.

### Official Website URL

<https://www.denkatsuplaza.com/>

C-16

Energy Solutions (Renewables & Hydrogen)

Enoah Inc.

#### Organization / Company Profile

The renewable energy hydrogen storage system "Hydro-Power Hub" converts surplus renewable electricity that would otherwise be wasted into hydrogen gas for storage. It then reuses this time-shifted and season-shifted electricity through power generation by a hydrogen fuel cell when needed. This is realized through highly advanced control (EMS) that incorporates Enoah's proprietary know-how.

#### Overview of Business, Products, Services, and Research Themes

Our product is a PEM-type modular water electrolysis hydrogen generator that can be expanded in units of 2 Nm<sup>3</sup>/h up to 20 Nm<sup>3</sup>/h as needed. Hydrogen can be generated simply by inputting tap water and power.

#### Details of Desired Business Partners / Collaboration Targets

Companies considering hydrogen solutions.

#### Official Website URL

<https://www.enoah.co.jp>

C-17

Energy Solutions (Renewables & Hydrogen)

Kyowa,Ltd.

#### Organization / Company Profile

Since our founding in 1958, we have been involved in the logistics and collection and transportation of steel materials for over 60 years, and over that time, our current business operations have evolved. As we move towards a decarbonized era, we must consider how we can contribute to society, and all of our employees must work together with a clear vision for a sustainable society and the future of our company. We aim to provide safe and secure logistics by promoting the construction and digitalization of various systems, and with the motto of "transporting with trust," we will carry out our work with an awareness of the trust of our customers, our employees, and society.

#### Overview of Business, Products, Services, and Research Themes

Kyowa Shokai is engaged in the solar panel disposal business as a way to promote environmentally friendly renewable energy. Our goal is to recycle 95% of used solar panels, significantly reducing the burden on the environment. We reuse the main components of solar panels, glass, metal, and silicon, and recycle them into new products. This recycling process reduces energy consumption and minimizes waste, aiming to contribute to a sustainable society.

#### Official Website URL

<https://kyowa-syokai.com/>

C-18

Energy Solutions (Renewables & Hydrogen)

## YAMATO TRANSPORT CO., LTD.

### Organization / Company Profile

Yamato Transport is a leading company in the parcel delivery industry, providing high-quality transport services for many years. Our strength lies in our meticulous service that meets the diverse needs of individuals and corporations. In recent years, we have been proactively working to reduce our environmental impact. Through carbon-neutral delivery services like Takkyubin and our group company Yamato Energy Management, we are contributing to the realization of a sustainable society by promoting the introduction of electric vehicles and the use of renewable energy. By balancing safe and reliable transport with environmental considerations, we support our customers' businesses and lifestyles.

### Overview of Business, Products, Services, and Research Themes

In addition to our core business of "TA-Q-BIN," we offer "Carbon Neutral Delivery," which contributes to reducing CO2 emissions. This offsets emissions in accordance with international standards, enabling environmentally friendly delivery. Furthermore, our group company, Yamato Energy Management, is promoting decarbonization throughout the logistics industry by supporting the introduction of EVs and supplying renewable energy. We would like to introduce these cutting-edge initiatives and services that support diverse businesses and people's lives through reliable transportation.

### Official Website URL

<https://www.kuronekoyamato.co.jp/>

C-19

Energy Solutions (Renewables & Hydrogen)

## Tokico System Solutions,Ltd.

### Organization / Company Profile

Our company has been involved in hydrogen energy research and development since 2003, participating in projects with the New Energy and Industrial Technology Development Organization (NEDO), a national research and development agency, and collaborating with various companies and organizations.

In 2022, we accelerated our efforts as part of the Iwatani Group, opening the Hydrogen Advanced Technology Center, which conducts hydrogen dispenser filling tests and develops new hydrogen-related products. We are at the forefront of hydrogen energy promotion, providing comprehensive solutions including research and development of dispensers and other equipment, station construction engineering, and support system creation.

### Overview of Business, Products, Services, and Research Themes

Because hydrogen does not emit CO2 when burned, it has attracted attention as a trump card for carbon neutrality and global warming countermeasures, and is beginning to be used in a variety of fields, including mobility (cars, buses, trucks, construction machinery, ships, and aircraft), power generation, and boilers. Our hydrogen dispensers, which accurately measure the amount of hydrogen gas and safely fill it, have been highly praised for their performance and safety, and have been installed in many hydrogen stations.

### Official Website URL

<https://www.tokicosys.com/>

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D-01

Energy Efficiency & Management

## Nihon Xenolith Corporation

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### Organization / Company Profile

Nippon Xenolis Co., Ltd. manufactures, sells, and installs “Xenolis,” a water-based thermal insulation paint made with proprietary technology.

We believe that by painting it on the roofs and walls of buildings, it contributes to reducing the amount of electricity used for air conditioning, combating the heat island effect, and combating global warming.

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### Overview of Business, Products, Services, and Research Themes

Xenolith, a water-based thermal insulating paint, is based on natural magma balloon type and chemical balloon type.

Its thin paint film provides thermal insulation, keeps you cool in the summer and warm in the winter, and is characterised by its adhesive stretch and condensation prevention properties.

Patented.

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### Details of Desired Business Partners / Collaboration Targets

Businesses considering measures to combat the summer heat.

Businesses considering measures to combat the winter cold.

Businesses considering measures to prevent condensation.

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D-02

Energy Efficiency & Management

TOKYO METER CO.,LTD.

#### Organization / Company Profile

TOKYO METER operates as a technology-development company based on the philosophy of "Giving shape to needs!" and centered on "fluid measuring instruments" and "testing equipment for education and research." Utilizing our long-cultivated measurement technology, we contribute to achieving carbon neutrality through orifice flow meters for energy plants and support the development of next-generation human resources with equipment for universities, technical colleges, and technical high schools. Furthermore, we collaborate with the Kawasaki City Center for Climate Change Actions to participate in the Energy Saving Diagnosis Project, which involves diagnosing compressed air leaks and visualizing energy consumption. We are challenging the realization of a decarbonized society alongside local SMEs.

#### Overview of Business, Products, Services, and Research Themes

We will exhibit the educational "Smart City System," which is based on models of a factory and a smart house and combines solar, wind, and hydroelectric power generation with hydrogen storage to enable practical learning of efficient energy management. We will also showcase the measurement device "APM," which enables the discovery of waste/leaks and the measurement of energy-saving improvement effects by "visualizing" the usage status of compressed air, which is frequently used in factories, as pneumatic energy. Additionally, we will introduce a new service, the "Energy Saving Diagnosis Project," which comprehensively diagnoses electricity and pneumatic systems in factories to support energy cost reduction and equipment efficiency.

#### Details of Desired Business Partners / Collaboration Targets

We propose the "APM" and "Energy Saving Diagnosis Project," which contribute to energy-saving improvements through the "visualization" of compressed air, to companies that use compressors in their manufacturing sites. For educational institutions interested in next-generation human resource development and SDG education, and the businesses that support them, we will propose the "Smart City System" for experiential learning of renewable energy. To spread these initiatives locally, we are also looking to match with local governments and public institutions promoting decarbonization and educational support.

#### Official Website URL

<https://www.tokyometer.co.jp/>



D-03

Energy Efficiency & Management

SHOEI CO.,LTD.

#### Organization / Company Profile

SHOEI Co., Ltd. was established with the theme "Gentle to people with water," aiming to be a company that contributes to environmental issues through water treatment equipment. We develop various energy-saving and labor-saving equipment for hot spring specifications and consistently handle everything from manufacturing and sales to maintenance as a filter device manufacturer capable of meeting market needs with our proprietary products.

#### Overview of Business, Products, Services, and Research Themes

Our flagship product, the filtration unit, is a corrosion-resistant specification device developed using FRP (Fiber-Reinforced Plastic) for use in bathing facilities and pools with all types of water quality. It is highly regarded as a product suitable for highly corrosive water quality. Additionally, FRP has higher heat retention than metal, resulting in approximately 40% energy-saving effect. This time, we are exhibiting new products related to this filtration unit: the comprehensive water quality monitoring device "Yuu," the OH-radical water purification device "Ryu," and the digital residual chlorine meter "Chloros 17N."

#### Official Website URL

<https://www.shoei-roka.co.jp/>

D-04

Energy Efficiency & Management

WingArc1st Inc.

#### Organization / Company Profile

We are a data empowerment company that uses the power of data to support corporate decision-making and social evolution. With a focus on reports, BI, and data infrastructure, we provide a wide range of support, from improving business efficiency to management DX and decarbonization/GX. We contribute to the realization of a sustainable society through the use of data from a variety of industries.

#### Overview of Business, Products, Services, and Research Themes

EcoNiPass is a GX platform that visualizes a company's CO2 emissions and provides comprehensive support, from planning reduction measures to verifying their effectiveness. Its unique AI proposes optimal reduction measures for each industry and business, streamlining compliance with SBT, TCFD, and CFP. It accelerates decarbonization in a wide range of industries, including manufacturing, logistics, and construction.

#### Details of Desired Business Partners / Collaboration Targets

We are targeting companies that want to fully implement decarbonization management and GX promotion. We are particularly interested in collaboration with companies in manufacturing, logistics, construction, retail, etc. that are considering visualization and reduction measures for Scope 1 to 3 CO2 emissions, or companies that want to integrate and disclose environmental data across the entire supply chain. We also welcome collaboration with consultants and local governments.

#### Official Website URL

<https://econipass.com/>

D-05

Energy Efficiency & Management

RIKADEN Co.Ltd

#### Organization / Company Profile

- (1) Proposal for energy-saving LED fluorescent lamps due to the ban on the manufacture/import/export of general fluorescent lamps.
- (2) Introduction of a dry-ice-free cold storage box using a combination of urethane inside cardboard and a cold pack/ice pack.
- (3) Proposal for chemical recycling for small and medium-sized enterprises.

#### Overview of Business, Products, Services, and Research Themes

We propose CO2 reduction solutions through various approaches: CO2 reduction by gasifying your waste plastics and refining them into hydrogen, etc. CO2 reduction by making dry ice unnecessary through the combination of urethane inside cardboard and a cold pack/ice pack. CO2 reduction by replacing existing fluorescent lamps with low-cost alternative LED fluorescent lamps that require no construction.

#### Details of Desired Business Partners / Collaboration Targets

SMEs, micro-businesses, stores, and offices struggling with CO2 reduction.

#### Official Website URL

<http://rikaden.web.fc2.com/>

D-06

## Energy Efficiency & Management

### Nobest Co., Ltd.

#### Organization / Company Profile

Nobest Inc. is an environmental IT startup whose mission is to "save people and nature with technology." They offer "Nobest IoT," a system equipped with their patented technology "CAEOS" that utilizes AI, IoT, and quantum computing. This system enables centralized management of multiple solar power plants, high-precision forecasts linked to weather data, and streamlined maintenance operations. It can be used not only by renewable energy businesses, but also in a wide range of fields, including facility management in the manufacturing industry.

#### Overview of Business, Products, Services, and Research Themes

Nobest IoT is a remote monitoring system that installs small current sensors, "NI Station" and "NI Clamp," on facilities such as solar power plants to monitor power generation status in real time 24 hours a day. AI analyzes weather information and operational data to quickly identify the cause of abnormalities, reducing unnecessary on-site response and minimizing downtime. Furthermore, contactless tags enable the instant sharing of equipment information and maintenance history, enabling centralized management of multiple power plants. It's a next-generation solution that supports safe and secure renewable energy operations.

#### Details of Desired Business Partners / Collaboration Targets

- 1) O&M providers (maintenance companies): Detecting abnormalities and understanding operating status at power plants can be done remotely and more efficiently, reducing unnecessary on-site visits.
- 2) EPC providers (engineering, procurement, and construction companies): By providing post-construction monitoring, they can expand value-added services to customers.
- 3) Solar power plant sales companies: Introducing it as an after-sales service can increase reliability and customer satisfaction.
- 4) Power generation companies (IPPs): Centralized management of multiple power plants can optimize power generation efficiency and maximize profits.
- 5) Electricity retailers (new power companies): Utilizing power generation forecasts to improve the accuracy of procurement and supply and demand management.

#### Official Website URL

<https://nobest.jp>

D-07

Energy Efficiency & Management

ENIMAS CO.,LTD

Organization / Company Profile

ENIMAS Co., Ltd. is a solution-driven company with innovative technology and extensive experience in energy monitoring and smart infrastructure. By utilizing IoT and cloud technology for real-time data analysis, we provide accurate and sustainable solutions for customers' challenges in energy management and equipment optimization.

Overview of Business, Products, Services, and Research Themes

We use our product, the portable communication ammeter ENIMAS, to monitor electricity in real-time, supporting companies in achieving both carbon neutrality/decarbonization and economic development. Since we measure each piece of equipment instead of the entire building, it's easier to find reduction points. Our experienced electrical advisors also offer diagnosis and countermeasure proposals.

Details of Desired Business Partners / Collaboration Targets

Businesses struggling with optimizing power consumption and decarbonization support providers.

Official Website URL

<https://enimas.co.jp>

D-08

Energy Efficiency & Management

Kawasaki Mirai Energy Co., Ltd.

Organization / Company Profile

Kawasaki Mirai Energy Co., Ltd. was established in October 2023 and started its retail electricity business in April 2024. Its goal is to achieve a decarbonized society by 2050 and promote the widespread use of renewable energy and local production for local consumption of electricity within Kawasaki City.

Overview of Business, Products, Services, and Research Themes

We procure electricity from Kawasaki City's three waste incineration facilities and supply renewable energy-derived electricity to approximately 250 public facilities, such as public schools and ward offices, as well as private businesses within the city. We will continue to gradually expand our supply areas and promote the widespread adoption of renewable energy.

Details of Desired Business Partners / Collaboration Targets

Power generation businesses and electricity consumers within Kawasaki City.

Official Website URL

<https://kawasaki-mirai-energy.co.jp>

E-01

Manufacturing Innovation with AI & IoT

## FUJITSU GENERAL

### Organization / Company Profile

FUJITSU GENERAL LIMITED is an air conditioner manufacturer with manufacturing and sales experience in over 100 countries worldwide. Our Wearable Business Group commercialized the "Wearable Air Conditioner (Wearacon)" in 2020 by applying air conditioning technology. It has been introduced by over 800 companies as a measure against heat/cold in the workplace. We actively participate in initiatives with Kawasaki City, conducting joint research with the Kawasaki Environmental Research Institute on the themes of heat countermeasures and energy saving in the workplace. We are seeking partners to expand Kawasaki City's network and jointly aim to solve social issues. We would love to introduce the Wearacon to you.

### Overview of Business, Products, Services, and Research Themes

The Wearacon by FUJITSU GENERAL LIMITED is a wearable device equipped with water-cooled Peltier cooling technology. Since it runs on a mobile battery, it can freely cool or warm the neck area anytime, anywhere. It features high cooling power capable of handling a 40°C environment and is a professional-grade product that can be used in harsh environments where dust and odors are a concern, thus being widely used primarily in the steel industry. Since 2022, we have started joint research with the Kawasaki Environmental Research Institute, aiming to use the Wearacon to solve heat countermeasures and energy-saving (decarbonization) problems in Kawasaki City's workplaces.

### Details of Desired Business Partners / Collaboration Targets

Matching with companies, government agencies, and local authorities that require heat and cold countermeasures in the workplace.

### Official Website URL

<https://www.fujitsu-general.com/jp/>

E-02

Manufacturing Innovation with AI & IoT

## OKAMURAKENKOH Co., Ltd

### Organization / Company Profile

Okamura Construction Co., Ltd. was founded in 1947, shortly after the end of the war, in our current location in Kawasaki City. Since then, we have made a definite mark on the "creation of a rich and livable city" through our core business of precast concrete products and civil engineering work. Each and every employee, and the company as a whole, hopes to make a significant contribution to the creation of a rich and livable local community.

### Overview of Business, Products, Services, and Research Themes

As part of our sustainability efforts for the next generation, we are working to reduce waste at our factories and construction sites, and our machinery department is transporting recycled resources and transferring and storing them at intermediate processing plants. We are working to achieve 100% recycling, and will continue to contribute to the realization of a sustainable society.

### Official Website URL

<https://okamurakenkoh.jp/>

E-03

Manufacturing Innovation with AI & IoT

## The Bio-oriented Technology Research Advancement Institution (BRAIN)

### Organization / Company Profile

The Bio-oriented Technology Research Advancement Institution (BRAIN) is the only funding agency in Japan dedicated to supporting research and development (R&D) in the fields of agriculture, forestry, fisheries and the food industry. BRAIN invites outstanding R&D proposals from universities, technical colleges, public research institutions, private companies, and other entities, provides research funding and project management support, and works to ensure that research outcomes are effectively implemented in society.

At this exhibition, we will present the outcomes of commissioned research projects in the category of “Manufacturing, AI, and IoT.”

### Overview of Business, Products, Services, and Research Themes

In this exhibition, we will introduce systems developed using AI and IoT technologies in the agriculture, forestry, and fisheries sectors, as well as showcase outcomes from the food sector. These include machinery, prototypes, and other deliverables obtained through research.

- Development of a Smart Livestock Manure Treatment System Utilizing Robots and AI/IoT
- Establishment of broad-leaved forest management strategies in the With / Post Japanese oak wilt era
- Development of an Integrated Coastal Monitoring System for Sustainable Fisheries
- Development of an upcycling koji mold cultivation method for efficient production of functional alternative meat

### Details of Desired Business Partners / Collaboration Targets

We actively seek to build collaborative research and partnership frameworks with companies, organizations, and other entities that support bringing our research outcomes into society. This includes joint research and co-development projects that turn research findings into practical benefit for the public.

### Official Website URL

<https://www.naro.go.jp/laboratory/brain/>

E-04

Manufacturing Innovation with AI & IoT

## The Kawasaki Carbon Neutral Brand Promotion Council

### Organization / Company Profile

The Kawasaki Carbon Neutral Brand Promotion Council is composed of the Kawasaki Chamber of Commerce and Industry, the Kawasaki Institute of Industrial Promotion, Kawasaki Shinkin Bank, and the City of Kawasaki.

### Overview of Business, Products, Services, and Research Themes

The Kawasaki Carbon Neutral Brand Promotion Council will certify quality products, technologies, etc. under the "Kawasaki Carbon Neutral Brand".

#### <Features of the Kawasaki Carbon Neutral Brand>

- Products, technologies, and services researched, developed, or manufactured in Kawasaki city are eligible.
- Evaluate whether the product/technology reduces CO2 emissions throughout its life cycle.
- Calculate actual CO2 emission reductions throughout the entire life cycle of the product/technology, etc.
- Scope includes contributions to global warming prevention throughout the entire life cycle of products and technologies, including reduction of CO2 emissions during raw material procurement and product use, and during the development of CO2 reduction technologies, etc.

### Official Website URL

<https://www.k-co2brand.com/>

E-05

Manufacturing Innovation with AI & IoT

## Takatsu Kouyukai Cooperative - Takatsu Craft

### Organization / Company Profile

Takatsu Craft is a manufacturing brand launched by the Takatsu Craftsmen's Association Cooperative. As a "Kawasaki manufacturing expert unit" full of individuality, with a passion and commitment to craftsmanship and a diverse range of skills, we will transform your manufacturing.

### Overview of Business, Products, Services, and Research Themes

We can provide total production services from design and engineering (equipment, electricity, mechanisms), metal processing (cutting, polishing, sheet metal, crimping, drawing), resin processing (molding), and assembly. In addition to joint orders, Takatsu Craft is also committed to food, energy, SDGs, mixed housing and manufacturing, and diversity, leveraging the "power of connected local factories."

### Official Website URL

<https://www.takatsucraft.com/>

E-06

Manufacturing Innovation with AI & IoT

Elecs Industrial Co., Ltd.

#### Organization / Company Profile

We are an electronics product development company based in Kawasaki City, celebrating our 50th anniversary this fiscal year. We have developed a wide range of new products, including radio telescopes and satellites that contributed to the observation of the supermassive black holes in the M87 galaxy and the Milky Way, disaster radio systems, and IoT devices. We specialize in high-speed communication and observation technology, and are advancing joint development with many research institutions such as JAXA and the National Astronomical Observatory of Japan. Our compact product,  $\mu$ PRISM, has won numerous awards and is also featured in the Kawasaki Monozukuri Brand.

#### Overview of Business, Products, Services, and Research Themes

As responding to extreme weather becomes an urgent issue, we are exhibiting a new product expected to solve this problem: the “Microwave Hyperspectral Radiometer (DS $\mu$ RAD).” This device is a world-first technology that contributes to high-precision prediction of torrential downpours and linear rain bands, and can be utilized in a wide range of fields such as disaster prevention, commerce, and transportation. Furthermore, a special specification version has been approved for installation on an artificial satellite, gathering expectations from various parties as an effective means to resolve a wide range of social issues. At this exhibition, we will also introduce a product mockup to let people from all countries learn about this new technology.

#### Official Website URL

<https://elecs.co.jp>

E-07

Manufacturing Innovation with AI & IoT

Aramic Co., Ltd. / Senshu University

#### Organization / Company Profile

As a company that “designs water,” Arromic is a manufacturer that develops shower heads that combine water conservation, pressure boosting, and comfort. Through industry-academia collaboration with Senshu University’s School of Network and Information Science, we have jointly developed the disaster prevention and environmentally friendly “Life Shower System.” This allows for comfortable bathing even with limited water resources, contributing to a sustainable society.

#### Overview of Business, Products, Services, and Research Themes

The “Life Shower System” is a disaster prevention shower system that provides a comfortable and hygienic shower experience even during disasters or in environments with limited water resources. It combines an Arromic shower head with water-saving, water purification, and fine bubble functions with a water supply and drainage/purification circulation system developed in collaboration with Senshu University to create a reusable water circulation model.

#### Details of Desired Business Partners / Collaboration Targets

We hope to collaborate with companies in the fields of environmental technology and disaster prevention, disaster relief and local governments, disaster prevention equipment manufacturers, and outdoor and camping businesses. In particular, we aim to match with partners who can co-create in areas such as utilizing water resources and improving sanitary environments during disasters, temporary bathing facilities, and mobile shower units.

#### Official Website URL

<https://www.arromic.co.jp/>



E-08

Manufacturing Innovation with AI & IoT

## JFE Plant Engineering Co., Ltd.

### Organization / Company Profile

As a comprehensive mechanical, electrical and control engineering company, JFE Plant Engineering develops, designs, manufactures, installs and maintains mechanical, electrical and control equipment for plants and various buildings.

We aim to be a company that customers can trust and feel attached to by always doing our best to meet their requests and resolve their problems.

We will also fully utilize the comprehensive mechanical, electrical and control capabilities we have cultivated in the steelmaking sector, aim for even greater heights, take on new challenges in the world, and support industrial infrastructure both in Japan and overseas.

### Overview of Business, Products, Services, and Research Themes

Established in 1912, JFE Plant Engineering's East Japan Office has supported Kawasaki City's industry alongside the city as a steelworks maintenance and construction company. From the maintenance and construction of large-scale equipment to the design, manufacturing, installation, modification, and operational improvement through digital transformation technology, the office supports local infrastructure from its three bases in Ohgishima, Ikegami, and Chiba.

The Ohgishima Maintenance Center makes full use of machine tools and specialized welding equipment, and is available 24 hours a day, 365 days a year for emergency repairs. At the Ikegami Business Center, experienced engineers develop new equipment and also deploy proprietary technologies such as local machining. Together with the local community, we aim to achieve a carbon-neutral society.

### Official Website URL

<https://www.jfe-planteng.co.jp/>

E-09

Manufacturing Innovation with AI & IoT

## JFE Group

### Organization / Company Profile

Based on our corporate philosophy that "The JFE Group will always contribute to society with the world's most advanced technology," we aim to continue to be a company that provides products and services for the prosperous future of the Earth for the long term.

### Overview of Business, Products, Services, and Research Themes

The JFE Group is a corporate group that operates with steel manufacturing at its core. It also operates an engineering business that uses steel as a starting point to support people's safe and comfortable lives, and delivers the diverse value created by these businesses to every corner of the world through its global trading company business.

### Official Website URL

<https://www.jfe-holdings.co.jp/index.html>

E-10

Manufacturing Innovation with AI & IoT

codeless technology Co., Ltd.

#### Organization / Company Profile

We digitize tasks that are highly dependent on personal skills, such as those using documents, Excel, and Word, without burdening the workplace.

To achieve this, we create services that are "simpler, faster, and cheaper to use" than any other system, and are the company that makes it the easiest first step in digital transformation in the world.

#### Overview of Business, Products, Services, and Research Themes

"Just as is" DX allows you to automatically create systems simply by sending paper forms or Excel spreadsheets.

Our service solves the following problems:

- (1) Scattered paper and Excel spreadsheets → Centralize information management from reception to calculation, eliminating the time spent searching and gathering data.
- (2) Operational stability → Use the same look and feel as usual, making it easy to adopt in the field.
- (3) Divisional differences → Standardize operations with permissions and history.

#### Details of Desired Business Partners / Collaboration Targets

There's a lot of paperwork, creating documents in Excel and transcribing data is time-consuming, there's a shortage of IT personnel, you can't afford to invest in system implementation, you don't know which digital transformation tool to choose, you're not making progress in supporting foreign workers, you can't seem to improve your on-site analog processes...

For companies and organizations facing these challenges, regardless of industry or sector, we can help improve business efficiency and digitalization.

#### Official Website URL

<https://sonomamadx.com/>

E-11

Manufacturing Innovation with AI & IoT

WAKOH DENKEN Co.,Ltd.

#### Organization / Company Profile

We are a specialized manufacturer that handles everything from contract development to production of all electrical products and power supply boards. All development is done in-house. Our company's value lies in meeting with companies that are struggling to make the products they want, such as charging devices for electric vehicles, IH (high frequency induction heating devices), power supply boards for ultrapure water systems, and LED lighting, and resolving their problems.

#### Overview of Business, Products, Services, and Research Themes

Our company designs, develops, and manufactures electronic devices, focusing on power electronics technology. Our main field is EV charging equipment (6kW/10kW standard chargers, 90kW rapid chargers), which we provide to multiple companies as an ODM. We can supply finished products or individual boards. We apply high-frequency inverter technology to IH (induction heating equipment), power supply boards for ultrapure water systems in semiconductor factories, and LED lighting. We have been particularly focused on EV charging equipment since 2016, and have already supplied standard chargers to four companies as an ODM. Our rapid chargers are also CHAdeMO certified.

#### Details of Desired Business Partners / Collaboration Targets

We are a contract development company, and would like to match with companies with the following needs: Companies that want to develop EV charging equipment (normal chargers and rapid chargers) under their own brand. Companies that require the development of high-frequency inverters and power supply boards (such as manufacturers of home appliances and industrial equipment). We can flexibly accommodate requests for commercialization under the customer's brand, or for the provision of internal boards only. We provide consistent support from design to prototyping and mass production. However, \*As we also have our own products for EV normal chargers, we are able to sell multi-functional, low-cost products both domestically and overseas.

#### Official Website URL

<https://wakohdenken.co.jp/>

E-12

Manufacturing Innovation with AI & IoT

## SHIGEMORI SANGYOUSHA Co., Ltd.

### Organization / Company Profile

We accept orders for metal nameplates and labels.

### Overview of Business, Products, Services, and Research Themes

We accept small-lot orders for metal nameplates, labels, etc.

### Official Website URL

<https://shigemori-s.sakura.ne.jp/>

E-13

Manufacturing Innovation with AI & IoT

## Kawasaki Monozukuri Brand

### Organization / Company Profile

The Kawasaki Monozukuri Brand Promotion Council certifies outstanding products and technologies developed by small and medium-sized manufacturers in Kawasaki City—based on originality, innovativeness, quality management, sales performance, future potential, and environmental/social contribution—as the “Kawasaki Monozukuri Brand.” We disseminate information both inside and outside the city about the excellence and high potential of local industrial products and technologies, supporting local SMEs in improving their competitiveness and expanding their sales channels.

### Overview of Business, Products, Services, and Research Themes

This exhibition will showcase the products and technologies of the companies certified under the Kawasaki Monozukuri Brand.

### Official Website URL

<https://www.k-monobrand.com/>

E-13

Manufacturing Innovation with AI & IoT

Osumo Co., Ltd.

Organization / Company Profile

Overview of Business, Products, Services, and Research Themes

Details of Desired Business Partners / Collaboration Targets

Official Website URL

<http://www.osmo.co.jp>

E-13

Manufacturing Innovation with AI & IoT

sanodesign

Organization / Company Profile

We approach design with the attitude of "creating a vision of the future."

We provide total design support, including product planning using new materials and processing technologies, product design, branding, packaging, and exhibition participation. We specialize in creating new ideas and unprecedented concepts, and in recent years have been incorporating eco-design into all of our products.

Our in-house designed cushioning material, the "Cushion Sun Series," won the Grand Prize at the 2024 Smart Lifestyle Awards. We also collaborate with government agencies and manufacturers to host hands-on manufacturing workshops.

Overview of Business, Products, Services, and Research Themes

General design and design consulting, including product planning, product design, landscape design, public signage, branding, packaging, and graphics.

- East Japan Block Leader, Japan Industrial Design Association (JIDA)
- Winner of the 2024 Smart Lifestyle Awards
- Design Specialist Consultant, Kawasaki Chamber of Commerce and Industry
- Coordinator, Kawasaki City Promotion Foundation
- Certified Low CO2 Brand by Kawasaki City

Details of Desired Business Partners / Collaboration Targets

- Companies looking to design and develop new products
- Design consulting for eco-friendly and sustainable products
- Companies looking to renovate environmentally friendly factories and public facilities (We have experience designing public signs and interiors for the Kureha Environmental Incinerator and Nanobic)

E-13

Manufacturing Innovation with AI & IoT

SHIBUYA Ltd.

#### Organization / Company Profile

We specialize in small-lot production of thermoplastics, as well as in-house production of molds and injection molding. The product size is 100mm x 100mm, and the height depends on the product thickness, but for example, assuming 2mm, it will be about 50mm.

#### Overview of Business, Products, Services, and Research Themes

Our in-house product, the S★Speller (spatula), was designed to be suitable for a variety of uses. Peeling off, sticking, and sliding into narrow gaps

#### Details of Desired Business Partners / Collaboration Targets

We are looking for small ventures.

E-13

Manufacturing Innovation with AI & IoT

Shingokizai

#### Organization / Company Profile

Our company has been working on developing new products and construction methods based on the philosophy of "contributing to society through railway and road safety." We will continue to create products that adapt to changes so that everyone can use railways and roads safely, securely, and comfortably. We will also focus on creating products that look to the next generation, with an eye toward the realization of autonomous driving, carbon neutrality, and the SDGs. Utilizing the technology and experience we have cultivated over approximately 80 years in research and development, manufacturing, and construction, we are constantly putting new ideas into practice, aiming to create an environment where everyone can use our services with peace of mind.

#### Overview of Business, Products, Services, and Research Themes

Vibraline Bio is a ribbed, melt-type, high-visibility road marking paint formulated with natural biomass materials. Using plant-based materials reduces the environmental impact and enables eco-friendly application. Its performance is the same as the conventional Vibraline, but its visibility at night and in the rain, as well as the noise and vibration caused by stepping on the ribs, will lead to a significant reduction in accidents. Its excellent durability and weather resistance ensure that the marking remains effective for a long time, and its high adhesiveness allows it to be applied anywhere, regardless of the road surface.

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E-13

Manufacturing Innovation with AI & IoT

**ZENK Co., Ltd.**

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**Organization / Company Profile**

- 20 years of system development experience in Kawasaki City
  - Supporting digital transformation through an approach that combines AI and business systems
  - Utilizing the latest technology and years of know-how, we tackle the challenges facing our customers and solve social issues!
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**Overview of Business, Products, Services, and Research Themes**

CO2 Emissions Visualization and AI-Based Emissions Prediction System

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**Official Website URL**

<https://zenk.co.jp/>

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E-13

Manufacturing Innovation with AI & IoT

## Tsukasa Sample Co., Ltd.

### Organization / Company Profile

Our company was founded in Kawasaki City in 1973 and has continued operations for over 50 years as the city's sole specialized manufacturer of food samples.

In production, we carefully select materials such as vinyl resin based on the specific requirements of each commission.

Drawing on accumulated experience, we have developed and refined our own unique production techniques. By handling every step—from sculpting to painting—entirely by hand, we achieve a texture that looks “more delicious than the real thing” and a visual expression with powerful appeal.

This advanced technical expertise has been recognized, earning them the city's highest honor, the “Kawasaki Meister” title, awarded to artisans possessing exceptional technical skills. They have achieved this distinction across two generations.

Food samples represent a uniquely Japanese visual culture, and in recent years, they have garnered significant international interest as works of art, leading to orders from overseas.

### Overview of Business, Products, Services, and Research Themes

“Connecting the Appeal and Culture of Food to the Future” Through food samples, we convey the joy and beauty of food, passing on Japan's food culture to the next generation.

“Shaping ‘More Delicious’ with Heart” We pursue realism, beauty, and “deliciousness,” carefully handcrafting each item with sincerity.

“Creating New Culture with Artisanal Skill” With the skill and creativity of artisans, and a passion for craftsmanship, we create new value and culture that moves people's hearts.

### Details of Desired Business Partners / Collaboration Targets

- Companies considering food samples as promotional items
- Companies considering wholesale distribution of miniature samples as miscellaneous goods (for stores, e-commerce, etc.)
- Companies requiring food samples for food photography, etc.
- Companies considering events or workshops ※We accept requests for our traveling instructors.

### Official Website URL

<https://www.tsukasa-sample.net/>

E-13

Manufacturing Innovation with AI & IoT

## Data Process Service Co., Ltd.

### Organization / Company Profile

Data Process Services Co., Ltd. is a systems development company headquartered in Kawasaki. We will celebrate our 50th anniversary on August 2, 2024. We mainly work in system engineering sales, and are involved in a variety of systems development projects, primarily control systems development (mobile networks, railways, traffic lights, etc.) and business systems development (banks, hospitals, etc.).

### Overview of Business, Products, Services, and Research Themes

Ukoku-chan Touch2022 is a time card system that authenticates individuals and manages attendance by simply holding an IC card such as PASMO or Suica over a reader. Through four types of clock-in/clock-out (clock-in), clock-out (clock-out), outing, and return), it also supports checking clock-in records, managing employee information, and integrating with payroll software. To make it easy for small and medium-sized businesses to adopt, the product price has been kept at the lowest in the industry, and the optional "face recognition" feature, which utilizes NHK's open patent, can help prevent impersonation.

The series has sold over 4,000 licenses.

### Official Website URL

<https://www.dps-net.co.jp/>

E-13

Manufacturing Innovation with AI & IoT

## Pit-Road Co., Ltd.

### Organization / Company Profile

### Overview of Business, Products, Services, and Research Themes

### Details of Desired Business Partners / Collaboration Targets

### Official Website URL

<https://pit-road.jp/>



E-13

Manufacturing Innovation with AI & IoT

MILESTONE JAPAN CO.,LTD.

Organization / Company Profile

Overview of Business, Products, Services, and Research Themes

Official Website URL

<https://milestone-japan.net/>

E-13

Manufacturing Innovation with AI & IoT

Makinaengineering. Co. Ltd

Organization / Company Profile

Makina Engineering utilizes its 40 years of technology, know-how, and experience in product development to carry out contract development and independent development. We will contribute by making full use of our development technical capabilities, manufacturing capabilities, and total support. We have cultivated media transport technology, automatic recognition technology, sensor technology, housing design technology, and CAD design technology through the development of a variety of products.

Overview of Business, Products, Services, and Research Themes

By enhancing biometric sensor security, we have developed a "security cabinet" that automatically records and manages "when" and "who" operated the device, and by simultaneously detecting RFID and weight sensors, "what" was used and "how much" it was used.

Details of Desired Business Partners / Collaboration Targets

Hospitals, nursing homes, pharmaceutical manufacturers, and other laboratories. Factory locations where chemicals are managed. Police and government offices and other departments that handle valuables.

Official Website URL

<https://www.maquina-eng.info/>

E-13

Manufacturing Innovation with AI & IoT

## Yamakatsu Electronics Industry Co., Ltd.

### Organization / Company Profile

We are a technology group that handles everything from the design and manufacturing of electronic devices and circuit boards to inspection equipment and software development. With bases in Kanagawa, Niigata, Sendai, and other locations, we also handle advanced development using FPGAs and IoT. We provide custom support for a variety of industries, and leverage our strengths of high quality, short delivery times, and flexibility to help our customers solve their problems.

### Overview of Business, Products, Services, and Research Themes

Focusing on the design and manufacture of high-density printed circuit boards, we also handle the design and development of electronic devices, the production of LED lighting, and the development of labor-saving devices and inspection equipment. We are capable of integrated system development from hardware to firmware and software, and provide cutting-edge solutions utilizing FPGA and IoT technology. We also undertake EMS contract manufacturing, making us a total electronics service company that can meet a variety of needs.

### Official Website URL

<http://www.yamakatsu.co.jp>

E-13

Manufacturing Innovation with AI & IoT

## WAKOSANGYO

### Organization / Company Profile

Wako is a Kawasaki-based company with a 65-year history of providing comprehensive building management services in the Tokyo metropolitan area, focusing on cleaning, facilities, and security, and whose motto is "Trusted Wako." The majority of on-site operations are carried out by in-house employees, without outsourcing. Wako has also developed a carbon-neutral cleaning method that places no burden on the environment using its own patented technology, and has established the non-profit Floor Wax Recycling Association, a general incorporated association, to promote and educate building management companies nationwide.

### Overview of Business, Products, Services, and Research Themes

In collaboration with JR East Transportation Services, we are developing a service to recycle waste liquid from floor wax removal. Instead of using conventional removers, we use electrolyzed water, a new technology, to remove floor wax films, and the waste liquid is neutralized and coagulated to recover and regenerate the wax, which is then recycled into a raw material for a product called "vomit coagulant." This service is currently being rolled out on the Nambu Line and in the Tokyo metropolitan area, and has reduced CO2 emissions by 97% compared to conventional methods.

E-14

Manufacturing Innovation with AI & IoT

## Odakyu Electric Railway Co., Ltd.

### Organization / Company Profile

As the world faces rapid and irreversible changes such as resource depletion, poverty, disparities and inequality, and global warming, what will be required of all local governments, businesses, and consumers in the future is a commitment to a circular economy that continuously extends the lifespan of resources, raw materials, and energy and operates sustainably. The Odakyu Group hopes to realize a prosperous, circular society by working together with you to face social challenges and creatively overcome them.

### Overview of Business, Products, Services, and Research Themes

By solving waste issues, we aim to realize regional development and a sustainable society by supporting collection and transportation, which are important infrastructure for cities and daily life. In addition, the needs for collection and transportation are diversifying due to labor shortages and an aging population across society. We support the creation of systems that can flexibly respond to the changing needs of society by utilizing digital technology. In addition, we support the transformation of business operations to utilize digital technology so that they can adapt to new work styles.

### Official Website URL

<https://www.wooms.jp/>

E-15

Manufacturing Innovation with AI & IoT

## Alonics, Ltd.

### Organization / Company Profile

Entrust us with the industrial use of high-frequency induction heating. We respond with reliable technology across plasma, induction heating, and ultrasound.

### Overview of Business, Products, Services, and Research Themes

Design, manufacturing, and sales of industrial high-frequency application equipment, including high-frequency induction heating devices, micro-induction heating devices, special induction heating power supplies, wideband RF power amplifiers, high-frequency power supplies for plasma, inert gas circulation induction heating devices, and high-frequency bonding systems.

### Official Website URL

<https://www.alonics.co.jp/>

E-16

Manufacturing Innovation with AI & IoT

micro-AMS Inc.

Organization / Company Profile

We are a company that molds resins using the unique technology of microwaves. Microwave molding uses a special rubber mold for forming. By using a rubber mold instead of a metal mold, we can rationally handle molding that is difficult with existing methods, as well as small-lot, high-mix production. A major feature of microwave molding is that it allows for melting and solidification without fluidizing the resin, enabling "monolithic molding of dissimilar materials," "inserting various parts inside the molded product," and "molding high-viscosity resins."

Overview of Business, Products, Services, and Research Themes

Our business includes "development and sales of microwave molding equipment for resin molding" and "sales of microwave molded products." Sales of microwave molding equipment are currently suspended and scheduled to resume in 2027. We are reviewing and upgrading the equipment to ensure it can be used by more people upon resumption. The "sales of microwave molded products" involves molding and selling shapes requested by our customers.

Details of Desired Business Partners / Collaboration Targets

The resin industry (molding/processing manufacturers, distributors, raw material manufacturers, and end-product manufacturers).

Official Website URL

<https://www.micro-ams.co.jp>

E-17

Manufacturing Innovation with AI & IoT

KSP

Organization / Company Profile

Planning, production, construction, and inspection of signs (billboards). Planning and production of promotional tools. Proposals for environmental improvement and cost reduction. Sales of environmentally friendly products. Planning and production of trick 3D art.

Overview of Business, Products, Services, and Research Themes

We offer one-stop service from planning and proposals to production and construction, all in-house.

Details of Desired Business Partners / Collaboration Targets

Companies facing issues at production or logistics sites. Companies considering trick 3D art for attracting customers, events, or as photo spots.

Official Website URL

<https://ksp-japan.net/>

F-01

Support Organizations & Public Institutions

## INPIT Kanagawa Prefecture Intellectual Property Support Desk

### Organization / Company Profile

INPIT (National Center for Industrial Property Information and Training) has established "INPIT Intellectual Property Support Desks" in all 47 prefectures of Japan, with this desk covering Kanagawa Prefecture. We support SMEs in solving various management issues from the perspective of "Intellectual Property," such as their ideas, technologies, brands, and designs. \*INPIT is an independent administrative agency under the jurisdiction of the Ministry of Economy, Trade and Industry and the Japan Patent Office.

### Overview of Business, Products, Services, and Research Themes

"We support the solution of management issues from an IP perspective." "Feel free to consult us about any and all intellectual property matters." Our counter staff provides various support to respond to consultations from SMEs regarding concerns about intellectual property (such as patents and trademarks) and management issues. For specialized and advanced consultations, we collaborate not only with IP specialists such as patent attorneys and lawyers but also with various other experts and support organizations, including brand specialists and certified SME management consultants.

### Details of Desired Business Partners / Collaboration Targets

We offer consultations to businesses facing intellectual property challenges, such as those that want to formulate a business strategy that considers the utilization of their IP or those who want to consider ways to protect their know-how as trade secrets.

### Official Website URL

<https://chizai-portal.inpit.go.jp/madoguchi/kanagawa/>

F-02

Support Organizations & Public Institutions

## Kawasaki City ESG Finance Promotion Project

### Organization / Company Profile

As sustainable management is increasingly required, addressing ESG (Environmental, Social, and Governance) issues has become an important theme not only for large corporations but also for SMEs. Given this context, Kawasaki City is implementing support measures to promote "ESG management" and "ESG finance," which is an effective method for its practical implementation.

### Overview of Business, Products, Services, and Research Themes

We introduce case studies of SMEs practicing ESG management within the city and hold consultation sessions for those taking the first step towards ESG management. By learning about the initiatives and ingenuity of others, you can utilize this knowledge for business improvement and future strategy development.

### Details of Desired Business Partners / Collaboration Targets

Companies interested in ESG management.

### Official Website URL

<https://www.city.kawasaki.jp/jigyoku/category/283-2-3-0-0-0-0-0-0.html>

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F-03

Support Organizations & Public Institutions

**Kawasaki City Environmental Protection Bureau Decarbonization  
Strategy Promotion Office**

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Organization / Company Profile

Kawasaki City is home to over 550 research and development institutions, with a high concentration of environmental technologies and industries. It also has many environmentally conscious citizens and businesses, possessing high potential to lead the response to climate change. The city is working towards net-zero greenhouse gas emissions by 2050. Based on the Kawasaki City Global Warming Countermeasures Promotion Basic Plan, we aim for a 50% reduction by FY 2030 and the introduction of over 330,000 kW of renewable energy, promoting the adoption of renewable and energy-saving measures.

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Overview of Business, Products, Services, and Research Themes

At this booth, we will introduce various initiatives towards realizing a decarbonized society that Kawasaki City is advancing as a national frontrunner in expanding the adoption of renewable energy. These include "Kawasaki-produced Green Power" utilizing waste power generation, "School Power Plants," the "System for Introducing Solar Power Generation Equipment to Buildings" which mandates the installation of solar power generation facilities on buildings, and various support programs for renewable energy and energy conservation.

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Official Website URL

<https://www.city.kawasaki.jp/>

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F-04

Support Organizations & Public Institutions

Kawasaki Environment Research Institute

Organization / Company Profile

Kawasaki Environmental Research Institute monitors air pollution on a continuous basis using an environmental air monitoring system and conducts environmental surveys of rivers and coastal waters with the aim of preventing environmental pollution and further improving the environment. Additionally, to effectively address the diversifying and complexifying environmental issues, the institute collaborates with national government agencies, external research institutions, and local companies with advanced environmental technologies to conduct comprehensive surveys, research, and information dissemination on environmental issues such as climate change, as well as to carry out surveys and research aimed at resolving regional environmental challenges.

Overview of Business, Products, Services, and Research Themes

Kawasaki Environmental Research Institute is working to solve various environmental issues, which are becoming increasingly diverse and complex, by collaborating with companies, universities, research institutions, and other organizations to conduct joint research projects that utilize advanced environmental technologies and networks.

Through this initiative, the institute supports research and development of new environmental technologies by providing research fields and partially funding research expenses for collaborative researchers, with the aim of linking these outcomes to environmental improvements within the city. Companies, universities, and research institutions interested in collaborative research are invited to visit the Kawasaki Environmental Research Institute booth.

Details of Desired Business Partners / Collaboration Targets

Companies, universities, and research institutions engaged in research on the promotion of renewable energy, technological development for energy conservation, research on the effective utilization of waste, development of new materials for reducing plastic waste, research on promoting greening through the utilization of unused land, research on the conservation of natural environments in urban areas, development of inspection methods for chemical storage facilities, and development of products and technologies for heatstroke prevention.

Official Website URL

<https://www.city.kawasaki.jp/>

F-05

Support Organizations & Public Institutions

**Kawasaki Institute of Industrial Promotion/ Public Interest Incorporated Foundation/ Intellectual Property Matching Project**

Organization / Company Profile

This project aims to revitalize regional industries and strengthen competitiveness by transferring intellectual property, such as patents and technologies accumulated by large companies, to SMEs (Small and Medium-sized Enterprises). We support the new product development and new business initiatives of SMEs through two-way exchange centered on intellectual property.

Overview of Business, Products, Services, and Research Themes

A business that introduces intellectual property such as patents held by large corporations to small and medium-sized enterprises, and supports new product development, technological advancement, and high added value.

Official Website URL

<https://www.kawasaki-net.ne.jp/chitekizaisan/>

F-06

Support Organizations & Public Institutions

**Kawasaki City Overseas Business Support Center**

Organization / Company Profile

The Kawasaki City Overseas Business Support Center (KOBBS) offers free consultations on overseas business for SMEs in Kawasaki City. KOBBS coordinators with extensive overseas business experience provide support tailored to the stage of business, such as market development overseas, advice for companies considering overseas expansion, and solving problems for companies already operating overseas.

Overview of Business, Products, Services, and Research Themes

Overseas Business Matching: We help you find overseas distributors/partners. We collaborate with specialized consulting companies to list potential business partners, set up appointments, and accompany you to meetings. Overseas Business Events: In countries/regions with high demand from local companies, we partner with specialized overseas consulting companies to physically travel and conduct business negotiations with local companies. Support by Kawasaki City: We provide subsidies for a portion of the costs required for overseas expansion initiatives. We also support market expansion using cross-border e-commerce sites.

Official Website URL

<https://www.kawasaki-net.ne.jp/kobs/>



F-07

Support Organizations & Public Institutions

**Kanto Bureau of Economy, Trade and Industry /  
Organization for Small & Medium Enterprises and Regional  
Innovation, JAPAN**

Organization / Company Profile

The Kanto Bureau of Economy, Trade and Industry (METI-Kanto) and the Kanto Headquarters of the Organization for Small and Medium Enterprises and Regional Innovation, JAPAN (SME Support, JAPAN) are exhibiting collaboratively. METI-Kanto promotes regional economic revitalization under the slogan "We Support Local Economies!" by strengthening collaboration with companies, local governments, and support organizations in its jurisdiction to advance the efficient and circular use of resources and regional energy policies. SME Support, JAPAN, as the nation's sole comprehensive implementation organization for all SME policies, provides all-encompassing support tailored to the growth stage and management challenges of SMEs. The Kanto Headquarters provides day-to-day on-site support to resolve the management issues of companies in its area of jurisdiction.

Overview of Business, Products, Services, and Research Themes

We will introduce concrete initiatives and support measures, such as subsidy information, from METI-Kanto, focusing on the Circular Economy and Carbon Neutrality. We will also present the wide range of support menus from SME Support, JAPAN, which can assist companies from the basics of carbon neutrality response to calculating CO2 emissions and formulating reduction plans. We offer everything from casual one-hour online consultation services to full-scale, long-term expert dispatch services, proposing optimal support measures tailored to each company's situation. Experts who actually support SMEs will be permanently stationed on the day of the event.

Details of Desired Business Partners / Collaboration Targets

To support companies taking the first step (e.g., "I don't know where to start" or "I want to know what my company can do"), as well as the second and third steps (e.g., "I'm already working on it, but I want to do more"), we will guide visitors to the optimal support measures based on their business size and area through dialogue. Additionally, SME Support, JAPAN experts who support SME carbon neutrality will be specially stationed at the booth on the day, so please feel free to stop by with any small questions, concerns, or interests regarding carbon neutrality.

F-08

Support Organizations & Public Institutions

**The Kawasaki Shinkin Bank**

Organization / Company Profile

Our bank is a non-profit cooperative financial institution whose members are local small and medium-sized enterprises and individual customers, and whose goal is "mutual aid" to promote the prosperity of the community.

We use the important deposits we receive from our customers to provide loans to local customers in need of funds, helping to support the prosperity of businesses and enrich people's lives. We are also working to improve our various financial services, including strengthening our customer support operations, in order to meet a variety of needs.

Overview of Business, Products, Services, and Research Themes

Our bank is committed to supporting the core businesses of small and medium-sized enterprises. We have established a Customer Support Department at our headquarters, which provides support to companies through our branches and headquarters staff, as well as in collaboration with support organizations and external experts. We also sell loan products aimed at realizing a carbon-free society in the region. As "this town's best supporter," we aim to contribute to the revitalization of the local economy by "revitalizing local small and medium-sized enterprises," so please feel free to consult us with any management concerns you may have.

Official Website URL

<https://www.kawashin.co.jp/>

F-09

Support Organizations & Public Institutions

## Environmental Restroration and Conservation Agency

### Organization / Company Profile

ERCA, an independent administrative institution based in Kawasaki City, has built a strong relationship with the city through its participation in the Kawasaki International Eco-Tech Fair and local contributions. Since 2023, ERCA has supported decarbonization efforts by purchasing Kawasaki City Green Bonds annually and joined the “Kawasaki Carbon Zero Challenge 2050,” promoting environmental conservation in collaboration with the community.

### Overview of Business, Products, Services, and Research Themes

ERCA undertakes a wide range of operations, including compensation and prevention for pollution-related health damage, relief for asbestos-related diseases, support for PCB waste treatment, and management of final disposal sites. It also supports NGOs and NPOs through the Japan Fund for Global Environment and promotes research and development via the Environmental Research and Technology Development Fund. In recent years, ERCA has focused on heat illness prevention, biodiversity conservation, and building a circular society.

### Official Website URL

<https://www.erca.go.jp/>

F-10

Support Organizations & Public Institutions

## New Energy and Industrial Technology Development Organization

### Organization / Company Profile

NEDO's goal is to utilize the capabilities of private companies to commercialize the results of technological development and implement them in society. To that end, NEDO observes domestic and international trends to identify technologies that society needs and provides a wide range of support, from building business models that lead to commercialization to formulating management strategies. NEDO aims to be an "innovation accelerator" that, through management, turns the seeds of new technologies into products and services, connects them with stakeholders such as investors and financial institutions, and supports them all the way to market.

### Overview of Business, Products, Services, and Research Themes

NEDO is a national research and development agency that creates innovation through the promotion of technological development necessary to realize a sustainable society. It aims to solve social issues by formulating technology strategies and promoting the social implementation of its results through project management. NEDO and Kawasaki City signed an agreement to promote next-generation industries in 2016, and in 2019 opened the Kawasaki-NEDO Innovation Center (K-NIC), an entrepreneurial support hub with the aim of discovering new ventures and supporting their growth. This exhibition will introduce the various projects that NEDO is working on, with a focus on renewable energy.

### Official Website URL

<https://www.nedo.go.jp/>

F-11

Support Organizations & Public Institutions

JMA Consultants Inc.

Organization / Company Profile

Japan Management Association Consulting (JMAC) has been commissioned by Kanagawa Prefecture to act as the secretariat for the FY2025 Carbon Neutral Research and Development Project Promotion Project, which aims to promote efforts to achieve a carbon-neutral society by 2050. In addition to subsidizing part of the costs associated with research and development, JMAC will support the project by providing experts to resolve technical issues and providing advice on intellectual property.

Overview of Business, Products, Services, and Research Themes

Japan Management Association Consulting (JMAC) has been commissioned by Kanagawa Prefecture to act as the secretariat for the FY2025 Carbon Neutral Research and Development Project Promotion Project, which aims to promote efforts to achieve a carbon-neutral society by 2050. In addition to subsidizing part of the costs associated with research and development, JMAC will support the project by providing experts to resolve technical issues and providing advice on intellectual property.

Official Website URL

<https://www.jmac.co.jp/>

F-12

Support Organizations & Public Institutions

The Institute of Information Science, Senshu University

Organization / Company Profile

It has been 145 years since Senshu University was founded as a private college called "Senshu Gakko" in 1880.

Senshu University believes that for a person to achieve self-realization, while contributing to the solutions of the social problems of the 21st century, requires what we call Socio-Intelligence. Senshu University thinks Socio-Intelligence is the ability to take the initiative in solving social problems by using professional knowledge and skills as well as technological insight. This is based on a deep understanding of humankind, a sense of morality and a global perspective to produce creative ideas. The Institute of Information Science, Senshu University promotes not only information science, but also social science and human science related to information.

Overview of Business, Products, Services, and Research Themes

We showcase the research results of projects undertaken by third-year students from the School of Network and Information, including those related to the environment.

F-13

Support Organizations & Public Institutions

**United Nations Industrial Development Organization Investment and Technology Promotion Office, Tokyo**

Organization / Company Profile

The United Nations Industrial Development Organization (UNIDO), a specialized UN agency based in Vienna, Austria, is committed to fostering economic growth and industrial development in developing countries, creating pathways for sustainable prosperity. UNIDO's Investment and Technology Promotion Office (ITPO), Tokyo plays a pivotal role in connecting the Japanese private sector with developing and emerging markets, driving innovation through direct investment and technology transfer.

Overview of Business, Products, Services, and Research Themes

At this exhibition, environmental experts from the Kingdom of Thailand and Malaysia will be invited to Japan to provide information and business meeting opportunities for Japanese companies considering overseas expansion. Further details will also be available on the UNIDO ITPO Tokyo website!

Official Website URL

<http://itpo-tokyo.unido.org>

F-14

Support Organizations & Public Institutions

**Kanto Branch of Japan Patent Attorneys Association**

Organization / Company Profile

- Kanto Branch of Japan Patent Attorneys Association is one of the regional frameworks of Japan Patent Attorneys Association organized by patent attorneys working around eight prefectures of Kanto (Tokyo, Kanagawa, Chiba, Saitama, Ibaraki, Gunma, Tochigi and Yamanashi).

—We are concerned to improve the industrial economy of Kanto area through public relations, promotions and supporting activities of Institution of Intellectual Properties.  
Please feel free for consulting a patent attorney (s) as a close partner of intellectual properties.

Overview of Business, Products, Services, and Research Themes

Public relations, promotion, and support activities for the Intellectual Property Rights System

Official Website URL

<https://www.jpaa-kanto.jp/>

F-15

Support Organizations & Public Institutions

## Japan Environmental Sanitation Center (JESC)

### Organization / Company Profile

Since its founding in 1954, the Japan Environmental Sanitation Center has been tackling a wide range of environmental issues comprehensively in the fields of waste and resource recycling, environmental conservation, and sanitation.

Environmental issues change with the times. Currently, we face challenges such as transitioning to a circular economy and achieving carbon neutrality, requiring business development that meets societal needs. Our center will continue to meet these needs with a comprehensive approach, brought together by experts and engineers with extensive experience in various fields.

### Overview of Business, Products, Services, and Research Themes

In the fields of waste and resource recycling, environmental conservation, and public health (primarily rodent and sanitary pest control), we provide:

- >Surveys and consulting services
- >Measurement, analysis, and testing services
- >Human resource development and public awareness activities
- >International support services

### Details of Desired Business Partners / Collaboration Targets

Companies and local governments involved in waste disposal, environmental conservation, rodent and sanitary pest control

### Official Website URL

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

F-16

Support Organizations & Public Institutions

## Hong Kong Trade Development Council

### Organization / Company Profile

Hong Kong Trade Development Council (HKTDC) is a government-affiliated organization established in 1966 with the aim of promoting Hong Kong's business platform to the world. Through 50 offices around the world, the HKTDC provides business opportunities to Hong Kong companies, primarily small and medium-sized enterprises, and supports them in finding business partners around the world.

### Overview of Business, Products, Services, and Research Themes

Hong Kong SAR government is promoting various environmental measures to achieve carbon neutrality by 2050, and has announced four decarbonization strategies: net-zero power generation, energy conservation and green buildings, green transport, and waste reduction. We will introduce business opportunities in Hong Kong's environmental technology field, the efforts of various organizations, and the potential for new collaboration between Japanese companies and Hong Kong.

### Official Website URL

<https://japanese.hktdc.com/ja/>

F-17

Support Organizations & Public Institutions

## Kitakyushu GX Promotion Consortium

### Organization / Company Profile

The Kitakyushu GX Promotion Consortium is an organization aiming to achieve carbon neutrality and green growth for local industries.

Chaired by the Mayor of Kitakyushu, the consortium brings together industry, government, academia, and financial institutions to create examples of GX (Green Transformation) in society through human resource development, corporate support, and the promotion of research and development. By realizing a virtuous cycle between the economy and the environment, it aims to achieve decarbonization and sustainable regional development by 2050.

At this exhibition, five member companies will jointly exhibit and share their efforts, including business transformations that view carbon neutrality as a growth opportunity, and the creation of products and services.

### Overview of Business, Products, Services, and Research Themes

GX promotion, research and development through industry-academia collaboration.

[Subcommittee research themes] Next-generation fuels and carbon recycling subcommittee, automobile subcommittee, future co-creation subcommittee (carbon credits, architecture (wooden construction, ZEB), space, offshore wind power promotion), etc.

### Details of Desired Business Partners / Collaboration Targets

To promote GX, we aim to accelerate R&D and industrial clustering, and to create collaborations that link cutting-edge R&D results to social implementation.

### Official Website URL

<https://ktq-gx.com/>

F-17

Support Organizations & Public Institutions

## IHI corporation

### Organization / Company Profile

The IHI Group leverages its manufacturing technologies to create advanced engineering solutions and address a wide range of challenges for the Earth and its people. Guided by our management philosophy of “contributing to the development of society through technology,” we always walk together with our customers, stakeholders, and colleagues, striving to help realize a better global society. As professionals in social infrastructure, we take on difficult challenges and deliver enriched lives and new value to people through our outstanding problem-solving capabilities.

### Overview of Business, Products, Services, and Research Themes

As an immediate measure against global warming, the importance of thorough energy conservation is being emphasized. On the other hand, in the industrial sector, a large amount of unused heat that could be utilized is still being discarded. We believe that expanding the use of unused heat is possible through measures such as using waste heat at other companies, tailoring the characteristics of waste heat to fit specific needs, and reducing the burden of initial equipment investment, and we are working to verify these ideas. In this exhibition, we introduce the actual test of "inter-factory heat exchange" that we conducted, with the aim of promoting implementation in various regions.

### Details of Desired Business Partners / Collaboration Targets

Small and medium-sized enterprises that own thermal processes or waste heat and have neighboring businesses that also utilize heat.

F-17

Support Organizations & Public Institutions

Well Create Co., Ltd.

Organization / Company Profile

As an affiliate of NTT West, with headquarters in Kitakyushu and offices in the Kanto and Kansai regions, the recycling company provides food waste fermentation and decomposition equipment on a subscription (leasing) basis to food factories, supermarkets, restaurants, and other businesses. The company has installed over 1,000 food waste fermentation and decomposition equipment from Hokkaido to Okinawa, recycling 200,000 tons of food waste annually into fertilizer and compost, which it provides to agricultural businesses. The company has received the Environment Minister's Award and the Economy, Trade and Industry Minister's Award for its contributions to reducing environmental impact and promoting the SDGs through its "regional food resource recycling solutions."

Overview of Business, Products, Services, and Research Themes

We are promoting a "regional food resource recycling solution project" that uses the power of microorganisms to turn food waste into compost and fertilizer. We have equipment capable of processing 100kg to 3,000 liters of vegetable waste per day, depending on the amount of waste generated by businesses, and our selling point is that we can provide this service at a lower price than incineration. In addition, we regularly collect and purchase the fermented decomposition products at a valuable price, which are then turned into compost and fertilizer. We provide these fertilizers and other products to affiliated agricultural producers, creating a recycling loop in which they are returned to supermarkets, the restaurant industry, and other businesses as safe and secure agricultural products.

Details of Desired Business Partners / Collaboration Targets

Central wholesale markets, food factories, supermarkets, restaurants, and other businesses that generate vegetable waste

Official Website URL

<https://www.well-c.co.jp/>

F-17

Support Organizations & Public Institutions

Airtec Co., Ltd.

Organization / Company Profile

Since its founding in 1987, the company has been developing, manufacturing, and selling drain timer valves. While doing business with Nippon Steel, JFE, TOTO, Toyota, and others, in recent years the company has been actively engaging in overseas transactions, primarily with Asian countries such as Taiwan, China, Thailand, and India. In the past, the company was awarded the "Eco Premium 2022" by Kitakyushu City, and is building a business with an eye toward a carbon-neutral society. In order to communicate the quality of its products and its efforts to address environmental issues, the company has built a network with trading companies and agents, and is currently conducting business with many companies. It is a young organization with room to grow.

Overview of Business, Products, Services, and Research Themes

Our main business is the development, manufacture and sale of drain timer valves (automatic wastewater discharge devices). We have a track record of delivering to many sites, including domestic and overseas companies, mainly in Asian countries. Nippon Steel has around 1,100 units in use. In particular, our main product, the drain timer valve, is not only directly linked to on-site automation, improved efficiency and safety, but also to environmental issues, and we are focusing on new business ventures. We are expanding our business by listening to the voices of those on-site and always keeping in mind "businesses that can solve problems." Our drain timer valve has been adopted as an Eco Premium in Kitakyushu, and we are always conscious of contributing to carbon neutrality.

Details of Desired Business Partners / Collaboration Targets

Those who are concerned about carbon neutrality and automation in on-site equipment and maintenance

Official Website URL

<https://airtec-holdings.com/>



F-17

Support Organizations & Public Institutions

Tansoman GX, Inc.

Organization / Company Profile

Tansoman GX Co., Ltd. supports the decarbonization of over 2,000 companies. We provide the best custom-made solutions for your company, from complex CO2 emissions visualization to subsidized renewable energy introduction, energy-saving capital investment, and supply chain optimization. With our expertise and support, we contribute to sustainable management and increased corporate value. We are a reliable partner that can easily promote corporate decarbonization for anyone.

Overview of Business, Products, Services, and Research Themes

Tansoman GX Co., Ltd. operates "Tanso Check," a CO2 calculation tool for small and medium-sized enterprises. Working closely with local governments, the company not only helps companies calculate their CO2 emissions, but also supports them in switching to alternative energy sources and introducing solar power, thereby contributing to the reduction of fixed costs. By supporting decarbonization, which directly leads to cost reductions, the company supports sustainable management of businesses.

Details of Desired Business Partners / Collaboration Targets

Tansoman GX Co., Ltd. seeks to collaborate with the following partners to accelerate the decarbonization of companies.

Local governments, financial institutions, renewable energy businesses, and energy-saving equipment manufacturers.

We hope to build relationships that will enable us to support companies in reducing costs and achieving sustainable management, and create new value.

Official Website URL

<https://corp.tanso-man.com/>

F-17

Support Organizations & Public Institutions

Ricoh Company, Ltd.

Organization / Company Profile

Based on the Ricoh Group Environmental Declaration, "We will work to reduce environmental impact and improve the Earth's regenerative capacity, and realize a decarbonized, circular society through our business activities," Ricoh provides products and services that contribute to resource recycling. Here, we will introduce the "RICOH Resin Identification Handy Sensor," which has a proven track record in all types of recycling-related industries, such as waste plastic sorting in manufacturing, material identification in intermediate processing, quality inspection in trading and wholesale, and even research applications and environmental education tools in educational institutions such as universities, as well as the resource recycling digital service "RICOH Resource Recycling Navigator."

Overview of Business, Products, Services, and Research Themes

"RICOH Resin Identification Handy Sensor."

In March 2023, we launched the resin identification handy sensor (RICOH HANDY PLASTIC SENSOR B150). It enables "resin identification anytime, anywhere, by anyone," and is used to separate waste plastic for material recycling.

"RICOH Resource Recycling Navigation."

We will develop a digital service that separates waste plastic, encourages neighborhood collection to overcome weight challenges, and creates a circular economy by forming groups to utilize recycled materials. (Scheduled for October 2026)

Details of Desired Business Partners / Collaboration Targets

- Sorting plastic waste in manufacturing, construction, and other industries
- Material identification in industrial waste disposal and intermediate processing businesses
- Quality inspection in trading and wholesale businesses
- Research applications in universities, public institutions, and educational institutions

Official Website URL

<https://industry.ricoh.com/handy-plastic-sensor>



F-18

Support Organizations & Public Institutions

**Yokohama Center, Japan International Cooperation Agency (JICA  
Yokohama)**

Organization / Company Profile

At JICA Yokohama we contribute to the creation of human resources in developing countries with the people of the region by utilizing characteristics of Kanagawa and Yamanashi prefectures. Additionally, in an effort to support the first steps of international cooperation, we offer programs to help bring each individual's hopes and efforts to reality.

Overview of Business, Products, Services, and Research Themes

"SDGs Business Supporting Survey (JICA Biz)" supports Japanese private companies and other entities to create business that contribute to tackling issues in developing countries with their services and products. With this program, JICA aims to co-create value with the companies by leveraging the networks, trusting relationships, and expertise built with governments in developing countries through Official Development Assistance (ODA).

Official Website URL

<https://www.jica.go.jp/yokohama/>

F-19

Support Organizations & Public Institutions

**Kawasaki Certified Management Consultant Association**

Organization / Company Profile

The Small and Medium Enterprise Management Consultant is the only nationally certified management consultant. The Kawasaki Small and Medium Enterprise Management Consultant Association is made up of over 90 small and medium enterprise management consultants. With the aim of promoting the development and growth of Kawasaki's small and medium enterprises and contributing to the revitalization of the local economy, we work in cooperation with government and support organizations, including the Kawasaki City Small and Medium Enterprise Support Center, financial institutions, and industrial associations to provide management support for solving management issues, business innovation, strengthening management foundations, developing management talent, entering new fields, and starting new businesses.

Overview of Business, Products, Services, and Research Themes

Our members have expertise and a wealth of experience in a variety of fields, including general management, sales and marketing, production management, production technology, information technology, human resources and labor, human resource development, overseas expansion, financial accounting, and obtaining public subsidies. We provide advice, consultation, and practical support on problem identification, analysis, and solution methods to resolve the various issues faced by managers of small and medium-sized enterprises.

Official Website URL

<https://www.kawasaki-shindanshi.jp/>

F-20

Support Organizations & Public Institutions

**Ihara Laboratory, Graduate School of Frontier Sciences, The University of Tokyo**

Organization / Company Profile

Ihara Laboratory is one of the few laboratories in Japan that evaluates various environmental impacts (such as heatstroke, sleep disorders, and energy consumption) resulting from changes in the urban climate due to global warming and the heat island phenomenon, by analyzing various data. We also design countermeasures based on a life cycle perspective. We are also advancing research on the life cycle assessment of energy technologies and consumer behavior.

Overview of Business, Products, Services, and Research Themes

"Identifying Heatstroke Risk Factors and Designing Effective Countermeasures, including Air Conditioning, based on Social Surveys and Environmental Measurements." As rising temperatures due to climate change become a problem, measures against heatstroke in the elderly are becoming important. This research contributes to adaptation to climate change by identifying people and environments vulnerable to heatstroke within residences through social surveys and environmental measurements.

Official Website URL

<https://www.lct.k.u-tokyo.ac.jp>

F-21

Support Organizations & Public Institutions

**Kawasaki Center for Climate Change Actions**

Organization / Company Profile

The Kawasaki City Global Warming Prevention Activity Promotion Center operates within the Takatsu Civic Hall in front of JR Musashi-Mizonokuchi Station, and serves as a base for promoting the city's global warming prevention activities and Kawasaki City's decarbonization strategy, the "Kawasaki Carbon Zero Challenge 2050."

Overview of Business, Products, Services, and Research Themes

Our center provides consultation services, raises awareness, and exchanges and disseminates information regarding global warming. We work with various organizations within the city involved in preventing global warming (civic groups, businesses, government, etc.) and play a role in "raising awareness regarding global warming countermeasures," "strengthening cooperation within activity networks," and "collecting and disseminating information that can be used as reference for the efforts of citizens and businesses" in order to prevent global warming and achieve decarbonization. In collaboration with businesses, we are carrying out a project to support small and medium-sized enterprises in decarbonization by making energy use visible.

Details of Desired Business Partners / Collaboration Targets

We would like to introduce our "Energy Saving Diagnostics Project by Visualizing Energy (Compressed Air, etc.)" to small and medium-sized enterprises working towards decarbonization, and hope to collaborate in activities to prevent global warming.

Official Website URL

<http://www.cckawasaki.jp/kwccca/>