

2019 11/13 (Wed) & 14 (Thu)

# **Culttz Kawasaki**

#### Organizer: Kawasaki International Eco-Tech Fair Organizing Committee

Cooperation Kawasaki International Association, ANA Catering Service Co., Ltd.

#### Kawasaki International Eco-Tech Fair **Organizing Committee Secretariat**

c/o International Economic Affairs Office, Economic and Labor Affairs Bureau Kawasaki Frontier Building 10F, 11-2 Ekimae-honcho, Kawasaki-ku,

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In association with 32<sup>md</sup> Teeh-Trade Fair ~ Teehno-Transfer in Kawasaki 2019~ Dates 11/13(wed) - 11/15(Fri)

# ENEOSは、東京2020オリンピック・パラリンピックのゴールドパートナーです。









東京2020ゴールドパートナー (石油・ガス・水素・電気供給)

# ENERGY for ALL

ENEOS Xドリカム ENEOSエネルギーソング [その日は必ず来る - SINGLE VERSION - ]

# Orchestrating a brighter world





# 挑み続ける人を応援します。

1000分の1秒にすべてをかける人がいます。 風を読み、先を読み、あるいは、一瞬の動きに五感を集中させ、 より高みを目指して、信じる道を突き進む人もいます。 そのフィールドは違っても、それぞれの世界で挑戦し続ける人たちを、 私たちNECは応援していきます。 挑む先に、未来はつくられるのだから。





President, Kawasaki International Eco-Tech Fair Organizing Committee

# Norihiko Fukuda, Mayor of Kawasaki City

In recent years, various environmental and energy issues have come under the microscope and been discussed on a global scale, such as climate change and marine pollution caused by microplastics. In Japan, actions to address issues related to new energy and environmental innovation are mainly being promoted by the Ministry of Economy, Trade and Industry, the Ministry of the Environment and the Cabinet Office.

Kawasaki's coastal area, which is located at the center of the Keihin Industrial Zone, was a driving force behind the success of the Japanese economy during the country's period of high growth but suffered from severe air and water pollution and other environmental problems. However, as a result of persistent efforts by companies, the public and the government to improve the environment, Kawasaki City has been able to recover its blue skies and beautiful rivers and sea. Companies are actively investing in and developing technologies to improve the environment, while residents are raising their own and others' environmental awareness including through the development of awareness activities, and the government has been engaged in concluding cooperation agreements with companies on preventing air pollution and establishing its pollution control ordinance and other regulations. As a result, we have been able to build up a concentration of the world's leading environmental technologies and know-how, and today, are recognized as a top environmentally advanced city, where there is a solid balance between the environment and economy. The initiatives by our city, including those on the environment, were recognized by the national government in July of this year, when we were selected as an "SDGs Future City".

The Kawasaki International Eco-Tech Fair aims to disseminate information from Kawasaki to other locations in Japan and around the world on superior environmental technologies and know-how. The exhibition also provides opportunities for visitors and exhibitors alike to develop markets, expand sales channels and create new connections in order to drive innovation in the environment field and revitalize industry.

To allow more people to attend, we have changed the exhibition period from February to November. As part of our plan to focus on agriculture enriched with an awareness of the autumn harvest season, we are organizing a "Smart Agriculture" display utilizing the advanced technologies in the city and a *marché* to sell agricultural products from Kawasaki. Seminars on the SDGs will also be organized to promote Kawasaki's SDG initiatives.

In addition to a lot of seminars and business matching opportunities for new business development by related organizations and specialized coordinators, we have also made arrangements for business spaces and interpreters on-site. The 32<sup>nd</sup> Techno-Transfer in Kawasaki 2019, an exhibition and demonstration of various innovative and exceptional industrial products and technologies, will also be held at the same time as this year's exhibition and is expected to also offer opportunities for business matching between both exhibitors and visitors.

I hope you will make the most of this business opportunity and experience the SDGs Future City of Kawasaki that is powered by innovation in environmental technology and other fields.

# SDGs Future City / Business Matching

# ■ Kawasaki City selected as an SDGs Future City!

Recognized by the national government for its history of finding solutions to various issues in cooperation and collaboration with its residents and businesses and its efforts to create a sustainable society, Kawasaki City was selected as an SDGs Future City on July 1st.

Kawasaki City will organize a seminar on the SDGs at this year's Kawasaki International Eco-Tech Fair aiming at a balance between the economy, society and environment and increased collaboration with various stakeholders.

→ For details, please check the November 13th venue program.



# Strong support for business matching

 Spaces set up inside the venue to maximize the effectiveness of business matching

## (1) Business Discussion Spaces (Seminar Rooms 2-3)

Privacy-conscious business discussion spaces. designed to assist business matching between exhibitors and visitors. Please make at the reservation counter on the day

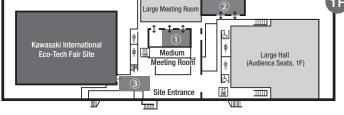
10:00-17:00, November 13-14, 2019 Location: Seminar Rooms 2-3

\* Partial availability



with exhibitor companies and organizations from Japan and oversea Large Meeting Roor

Providing a variety of programs supporting business matching



(1) Business Negotiation Space (2) Business Exchange Activities Venue (3) Business Matching Corner

#### (2) Business Exchange Meeting

A business networking meeting will be held to promote exchange between exhibitors, visitors, support organizations and overseas economic organizations. Whether you are from Kawasaki or elsewhere, this meeting will create an opportunity for diverse encounters for exhibitors from wide-ranging industries as well as for industry, academia and government representatives at the Eco-Tech Fair and Innovation Fair.



17:20-18:30,

November 13, 2019 Location: ACT Studio

Eligible participants: Exhibitors, visitors, seminar instructors, government officials Fee: 1.000 ven per person

\* We kindly ask for your understanding that in the case of a large number of participants, more participation may not be available.

## (3) Business Matching Area

Located near the entrance to the Eco-Tech Fair venue.

Please use this area as a spot to provide visitors, etc. with advice and information on business matching.

\*Run by Certified Management Support



10:00-17:00, November 13-14, 2019 Location: Entrance to Large Sports Hall (1F)

#### Visiting Lectures on the Environment

Visitors are also invited to observe.

 Classes on the environment will be held for elementary school-aged children, the next generation of Kawasaki, in cooperation with local companies.

Date	Time		Venue (B1)	Company	Class Title
11/ 13 (Wed)	Morning Session	10:00-11:00	Martial Arts Room 1	Asahi Kasei Corporation	Together with the Family! Let's Enjoy Eco-Life Together
	Morning Session	10:00-11:00	Martial Arts Room 2	Tokyo Gas Co., Ltd.	What is a Fuel Cell?
	Morning Session Afternoon Session	10:00-11:00 13:20-14:20	Martial Arts Room 1	CANON INC.	Recycling Capitalizing on the Distinctive Qualities of Products ~Science to Save the Earth~
11/ <b>14</b> (Thu)	Morning Session Afternoon Session	10:00-11:00 13:20-14:20	Training Room	Fujitsu Co., Ltd.	Living on This One Earth ~Reflecting on Our Ecological Footprint~
	Morning Session Afternoon Session	10:00-11:00 13:20-14:20	Martial Arts Room 2	Kanagawa Toyota Motor Sales Co., Ltd.	Future of Automobiles

# Venue Programs

# November 13 (Wed)

# ■ SDGs Seminar <<1F, Medium Meeting Room 2 and 3>>

10:30-12:00

# Eyes on Sustainable Management ~SME Strategies for the SDGs ~

This SDGs, an essential element for corporate management now and in the future, offer an opportunity for companies to become sustainable SMEs by incorporating them into corporate strategies and connecting with various local entities through keywords such as financing and supply chains. At this seminar, information on the latest trends, initiatives and techniques will be presented by the Ministry of the Environment, Cabinet Office, financial institutions and

Speaker Chief Researcher, Daiwa Institute of Research Holdings, Inc. Mariko Kawaguchi Other



# On Track to Synergistic Partnerships between Cities and Industries

■ 16th Kawasaki International Eco-Business Forum <<1F, Large Meeting Room 1 to 3>>

Denko K.K., Toshiba Infrastructure Systems & Solutions Corporation, Nihon Genryo Co., Ltd., and the National Institute for Environmental Studies.

~Aspiring to Create a Positive Cycle for the Environment and Economy: The Story of Kawasaki, an SDGs Future City~

Kawasaki City, which was selected as an SDGs Future City in 2019, is engaged in transferring the exceptional environmental technologies of local companies and disseminating information on environmental actions in both Japan and overseas to create a positive cycle for the environment and economy.

Mr. Keith Alverson (Director of the United Nations Environment Programme (UNEP)/International Environmental Technology Centre (IETC)) will be the featured keynote speaker at this forum. Two sessions will also be held with the participation of cities from the UK, Malaysia, Indonesia, Germany, etc. and researchers from Japan and around the world, including Showa

13:00-13:40

Waste-to-Energy: Information-based Decision Making and Contributing to the Success of the SDGs Other

Director, United Nations Environment Programme (UNEP)/International Environmental Technology Centre (IETC) Keith Alverson

Session 1 13:40-15:10

Initiatives by Cities Overseas and Local Companies to Create a Positive Cycle for the Environment and Economy

Coordinator Programme Officer, United Nations Environment Programme (UNEP)/International Environmental Technology Centre (IETC) Shunichi Honda Other

Session 2

The Realization of Green Growth Through the SDGs --Interactive Collaboration with Cities and Regions Around the World--

Director, Center for Social and Environmental Systems Research, National Institute for Environmental Studies (NIES) / Tsuyoshi Fujita Other



# ■ Kawasaki Green Innovation Forum <<1F, Large Meeting Room 4>>

15:05-16:30

13:00-17:00

15:05-15:45

Use of Mishimax (Device to Reduce Volume of Organic Waste) to Approach ASEAN with a Focus on Viet Nam

Group Leader, Fermentation/Decomposition TS Company, Mikuniya Corporation Yuji Tanaka Part II 15:50-16:30

Companies and Local Governments in an Era of Pursuing Sustainability

~Future Partnerships Between the Public and Private Sectors Based on Interpretations of the SDGs and ESG Finance~

Director, ICLEI Japan Togo Uchida

# 32<sup>nd</sup> Advanced Technology Trade Fair November 13 (Wed) to 15 (Fri) Techno-Transfer in Kawasaki 2019

Pre-registration

chno-Transfer is a trade fair for advanced technologies. The fair is held each year to expand sales channels, encourage business trade and promote the development of local industries through the exhibition and demonstration of the new technologies and products of companies

This year, the venue has been moved to Culttz Kawasaki to accommodate a large-scale convention and will be held at the same time as the Kawasaki International Eco-Tech Fair to enhance its appeal.

#### (Seminars)

# Seminar on Nanotechnology <<1F, ACT Studio >>

(November 13 (Wed))

13:30-15:30

Revolutionizing the Energy Society through Innovative Nanotechnology

Associate Professor. Associate Professor, Institute for Chemical Research, Masanori Sakamoto

Program-Specific Assistant Professor, Unit Leader, iCeMS (Institute for Integrated Cell-Material Sciences), Kyoto University / Masakazu Higuchi Founder & CTO, Atomis Inc.

## ■ Seminar on Open Innovation <<1F, ACT Studio>>

【【November 14 (Thu)】

14:00-16:00

IT Ventures x Manufacturing SMEs

~ Release the Potential of the Manufacturing Industry with Automatic Estimation Systems ~

CEO, CADDI Inc. Yushiro Kato

# November 14 (Thu)

Lectures <<Main Hall>>

Pre-registration

Part I Jitsuro Terashima's Academy of the Future in Kawasaki 2019

11:00-12:00

# Structural Changes in Japan and the World --Forming New Rules--

The basic framework of world order is shifting under the "America First" policy of the Trump administration. This lecture will offer a space to re-evaluate the challenges facing Japan in the midst of these trends during the Reiwa era and examine how Japan should move forward. The lecture will confirm, in particular, people's willingness to take the lead in developing rules.

Chairman Japan Research Institute

Jitsuro Terashima



Part II Seiichi Takarabe's School of Intellectuals in Kawasaki 2019

13:00-14:00

# **Turbulent Global Economy:** How Will Japanese Companies Survive?

The industrial world is said to undergo a revolutionary period of change once every century. The keywords? Al and IoT. The movements on CASE and MaaS in the automobile industry will have a significant impact on changes in both social infrastructure and human values. However, even as everything becomes caught up in the digital revolution, it is not possible for most of the labor force to be replaced by Al or for manufacturing to be eliminated. In any case, Japanese companies will only be able to compete by wielding their strengths and expertise as weapons. We take in the view of the future of the Japanese economy from a calm and steady perspective as we explain how Japanese companies can survive using case studies

Representative, Harveyroad Japan /

Seiichi Takarabe



United Nations Global Compact Promotion Forum <<1F, Large Meeting Rooms 1-3>>

Pre-registration

# Changing Management with the SDGs

The SDGs are attracting interest from Japanese companies and society. The SDGs are not merely a common goal for the entire world, but also offer specific guidelines on corporate social responsibility (CSR) and present business opportunities for Japanese companies that are struggling under the dramatically shifting scene of the business environment, including market maturity, slow growth, and global warming. This lecture will introduce trends in CSR and the SDGs that can be seen through the initiatives of UN Global Compact, said to be the world's largest organization promoting CSR. 10:10-10:50

10:30-11:10

Global Compact Network Japan Chairman of the Board

Toshio Arimura



■ Green Innovation Seminar <<1F, Large Meeting Room 4>>

Pre-registration

# Discovery of PET-degrading Enzymes and Increased Activity

PET-degrading bacteria, Ideonella sakaiensis, were discovered by a group of researchers led by Kohei Oda (Professor Emeritus) from the Kyoto Institute of Technology. We analyzed a genome of this strain and identified the PET-catabolic enzyme (called PETase). We also succeeded in dramatically increasing the activity of PETase with the

Professor, Faculty of Science and Technology, Keio University

Kenji Miyamoto



# Journey around the Earth's Last Mystery, Soil

There are 12 different types of soil on the Earth. Many people may be hearing this for the first time. First of all, what is soil exactly? That ordinary soil is actually riddled with mysteries. We will dig deeper into the earth from our kitchen gardens to the world's food problems. Take a look at the microcosm spread around your feet.

Forestry and Forest Products Research Institute (National Research and Development Agency) Senior Researcher



Kazumichi Fujii

12:10-12:50

# Remarketing Business -- Creating Japanese-style Recycling Businesses--

Nakadai is a waste disposal company with headquarters located in Tokyo and an intermediate disposal site in Gunma Prefecture...and a recycling rate of over 99%. In 2007, we reviewed operations and started to restructure our business to look at waste as a new type of material. In 2013, we established a unique business scheme called "Remarketing Business". At this lecture, we will demonstrate the potential for Japanese-style recycling businesses in the future, using our past activities and product recovery schemes implemented in cooperation with companies as examples.

Managing Director, Nakadai Co., Ltd. Managing Director, MoNo Factory Co., Ltd.

Sumiyuki Nakadai



■ Coastal Complex City Cooperation Symposium 2019 ~Aiming to Create Smart Complexes~ <<Large Meeting Rooms 1-3>>

13:30-17:00 Sponsor: Non-Profit Organization Liaison Center for Creation of Industry & Environment

The Tokyo Metropolitan industrial complex area is facing challenges in responding to increased international competition, ensuring safety and security, additional efforts to prevent global warming, and significant changes in the business environment. This 10th symposium will be held concurrently with the Kawasaki International Eco-Tech Fair where we will delve deeper with discussions on the prospect of a new era to create smart complexes, including further collaboration between businesses and regions and the use of IoT/AI.

Keynote Speech The Future of Complexes and the Kawasaki Coastal Area Vision

Professor, Management of Technology, Graduate School of Management, Tokyo University of Science **Takeo Kikkawa** 

Panel Discussion Setting Sights on Creating a Smart Complex

Executive Officer/General Manager, Chiba Works, Sumitomo Chemical Co., Ltd. Koichi Ogino 4 others

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# 0

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# W

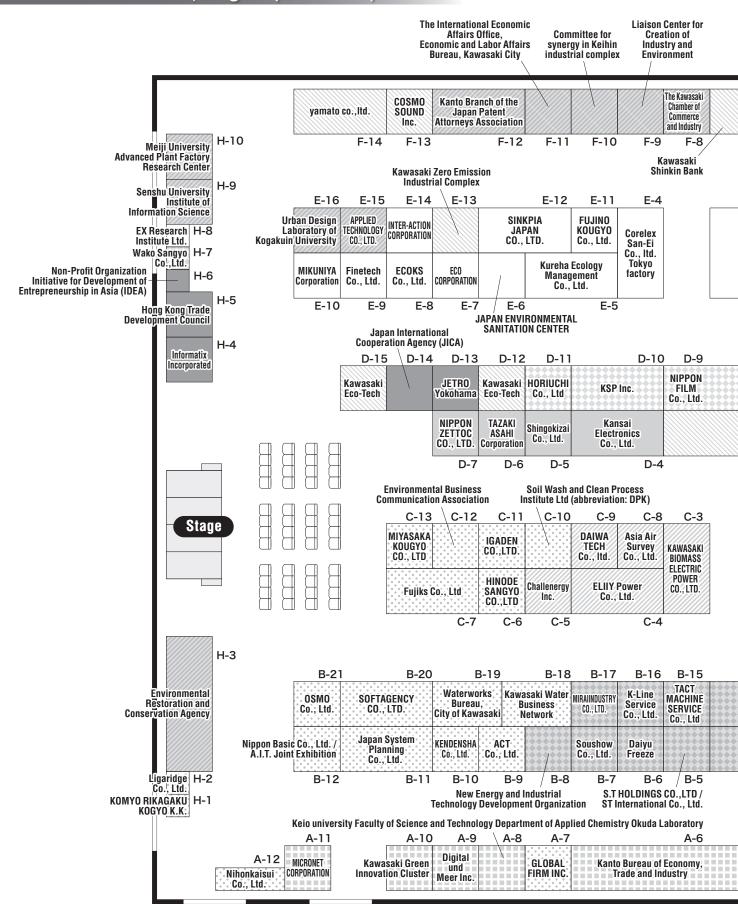
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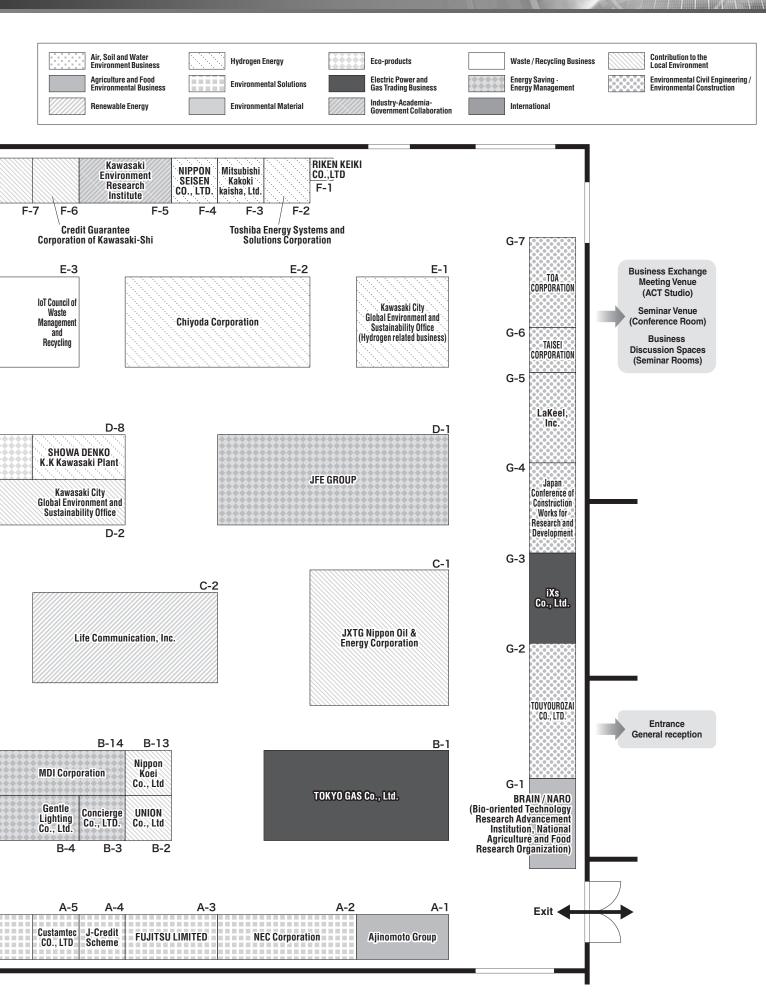
# Υ

Exhibitors	No.
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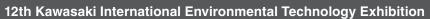
# Venue Map

# Culttz Kawasaki 1F (Large Sports Hall)





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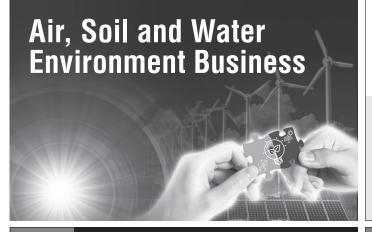
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#### 12th Kawasaki International Eco-Tech Fair



# B-9 ACT Co., Ltd.

66-3 Jogejima, Kamojima-cho, Yoshinogawa City, Tokushima Prefecture

TEL:+81-883-24-8887 FAX:+81-883-24-9278

URL : http://www.act-yume.jp/

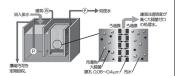


ACT's flocculant, "Suimu", is used to treat wastewater easily and economically. Suimu can reduce processing costs compared with cases where the treatment of all wastewater is outsourced to industrial waste disposal companies because it is difficult to treat in-house. In contrast with conventional flocculants, sediment formed after treatment is superior in terms of dehydrating properties, reaction rates and ease of adjusting pH levels. In addition, the composition contents are safe with natural minerals and the main components and waste water after treatment are eco-friendly. The product itself and the treated wastewater are both environmentally friendly. Suimu has been adopted for large-scale construction projects in the prefecture and decontamination efforts in Fukushima Prefecture.

# C-11 IGADEN CO.,LTD.

78-4 Shinoyama Joso-city Ibaraki 78-4 300-2721 Japan TEL :+81-297-42-6372 FAX :+81-297-42-8335

E-MAIL: idj@igaden.com URL : https://www.igaden.com/ index%20English.htm



IGADEN, a manufacturer of water treatment systems, offers suitable wastewater treatment equipment, considering environmental conservation and CO2 reduction. We design and manufacture energy- and space-saving equipment to meet your need

Manufacture and sales of chemical-free water treatment systems Purification of cooling tower circulation water without using chemicals, removal of scales, and prevention of red-rust

# **B-21** OSMO Co., Ltd.

2-6-7 Kurigi Asao-ku, Kawasaki-shi, Kanagawa Japan

TEL:+81-44-981-3332 E-MAIL: info@osmo.co.jp



OSMO Co., Ltd has been aiming to provide good customer supports and reduction of environmental impacts through our water treatment equipments and systems. Our services consist of offering ultrapure water used in semiconductor, display manufacturing factories as well as in electronic industry, and supply safe drinkable water to food factories. We also deliver downsized pure water treating devices used in hospitals and research labs, and systems for recycling water and waste water treatment systems. OSMO will continue to support our customers by providing services which met their needs.

# B-19 Waterworks Bureau, City of Kawasaki

Kawasaki City Hall No.2 Bldg., 1 Miyamoto-cho, Kawasaki-ku, Kawasaki City, Kanagawa Prefecture

TEL:+81-44-200-3097 FAX:+81-44-200-3996

URL: http://www.city.kawasaki.jp/800/



The Waterworks Bureau of Kawasaki City is promoting eco-friendly business operations. In addition to supplying tap water and industrial water to households and businesses in the city, the Waterworks Bureau also treats discharged sewage for release into the sea and rivers. However, a great deal of electricity is consumed in the treatment and disposal process and greenhouse gases and waste are also generated. For this reason, the Waterworks Bureau aims to create a good water environment while also contributing to the conservation of the global environment through the introduction of energy-saving equipment and the effective use of renewable energy and resources.

# **B-18** Kawasaki Water Business Network

1 Miyamoto-cho Kawasaki-ku Kawasaki City,

210-8577 Japan TEL:+81-44-200-3739 FAX:+81-44-200-3982

E-MAIL: 80keikan@city.kawasaki.jp URL: https://www.kawabiznet.com/ english/index.html



For the enhancement of the global water environment through water business, a platform "Kawasaki Water Business Network" (KaWaBiz NET) was established in Aug. 2012 between private enterprises which have water-related technologies / products, and the City of Kawasaki which has technologies and expertise of water / sewerage management, in cooperation with relevant ministries and organizations. KaWaBiz NET consists of 83 members and 13 cooperators at present and is engaged in the activities with members to enhance water environment through successful water business mainly in Asian region where City of Kawasaki has relationship.

## C-12 Environmental Business Communication Association

4-17-2-303 Azuma, Tsukuba City, Ibaraki Prefecture TEL: +81-29-895-6467

E-MAIL: info@ebca.or.jp URL: http://ebca.or.jp



The Association aims to build a cross-border exchange platform for industry and research in the field of environmental protection,to promote advanced technology and products of small and medium-sized enterprises to the world. With long-term trust with Japanese environmental protection related experts, enterprises and institutions, we introduce leading technology and products to overseas company and market.

Main services: consultation, market research, business matching, exhibition/business tour, market agent, technology transfer, joint development, strategic cooperation

# A-7 GLOBAL FIRM INC.

Rm303 Kanda No-4 Amerex Bldg. 2-13 Kandatsukasamachi Chiyoda-ku Tokyo

101-0048 Japan TEL:+81-3-5577-7253

FAX:+81-3-5577-7254 **E-MAIL:** shimizu@globalfirm.jp

URL: http://www.globalfirm.jp/



Global Firm Co., Ltd. is particularly focusing on water purification using green natural schist, a natural stone.

The scientific name green schist is used in various fields these days. Sales activities have started in the field of using SORASEKI and the registered green schist as the circulating water of the cooling tower. SORASEKI has a track record in many factories, buildings, hotels, etc. over the past 20 years. Almost 90% or more stopped adding chemicals and drastically reduced blow water, preventing scale peeling and adhesion in piping. Replacing chemicals with SORASEKI will contribute to the environment.

# Electric Power and Gas Trading Business

# B-10 KENDENSHA Co., Ltd.

1372-15 Nagahama-cho, Izumo-shi, Shimane, 693-0043, Japan TEL:+81-3-6423-7032 URL: http://kendensha.com



A solid-liquid mixtures is poured into the upper section of the machine and the movement of contiguously placed oval plates separates the solids from the liquids. Additionally, through the continuous rotation of multiple oval plates between the slits, the separated solid is transferred while the innovative design prevents the slits from clogging.

# H-1 KOMYO RIKAGAKU KOGYO K.K.

1-8-28 Shimonoge, Takatsu-ku, Kawasaki-City, Kanagawa 213-0006, Japan

TEL: +81-44-833-1245 E-MAIL: qa@komyokk.co.jp

URL: http://www.komyokk.co.jp/english



KITAGAWA GAS DETECTOR TUBE SYSTEM is a simple gas detector. Small and lightweight, suitable for on-site work. The trace gas concentration can be measured in a short time (1 to several minutes) with a small amount of sample. It can measure inorganic gases such as oxygen, carbon monoxide and carbon dioxide, and VOCs such as toluene, xylene and formaldehyde. It can be used in areas such as atmospheric environment, indoor environment, work environment, risk assessment, and process management.

The detector tube for water quality can measure the concentration in solution such as chloride ion by passing the sample solution through the detector tube.

# B-20 SOFTAGENCY CO., LTD.

5-16-9 Nishi-Jonan, Oyama City,

Tochigi Prefecture
TEL:+81-50-5505-5509 **E-MAIL: support@vg-sync.jp** 

URL: https://www.softagency.co.jp/

• SuguloT 4-20 (IoT device for 4-20mA)

This IoT device uses the analog output (DC OUT 4-20mA) equipped in many industrial measurement instruments as input to achieve various types of visual displays using a web browser.

SuguloT Beacon (IoT device to search for beacon)

When this IoT device and a beacon are located within a short distance, the SuguloT Beacon can be used to observe positions indoors and allow users to determine the location of beacons any time, regardless of the number of beacons, by visualizing locations using a web browser.

# C-10 Soil Wash and Clean Process Institute Ltd (abbreviation: DPK)

5780-8 Shinyoshida-cho, Kohoku-ku, Yokohama City, Kanagawa Prefecture

TEL:+81-45-590-5540 FAX:+81-45-620-5913 URL:http://dpkhp.co.jp



DPK has invented a rotorless mixer which the trademark is DEM.

DEM is a high jet device which had originally been applied for washing soil contaminated with insulation oil, resulting in high performance of both an extremely short time to eliminated oil and the recovery rate.

DPK supposes that the mechanism of DEM is alone in the world.

As the other case, it is possible to mix water with something like liquid or powder.

And DPK has achieved the development of several application units of DEM, having the patents rights in Japan.

# A-12 Nihonkaisui Co., Ltd.

7F Ochanomizu NK Bldg., 4-2-5 Kanda-Surugadai,

Chiyoda-ku, Tokyo TEL:+81-3-3256-8313 FAX:+81-3-3256-8316

URL: http://www.nihonkaisui.co.jp



A leading company with the top share of salt in the market, Nihonkaisui is committed to delivering safe and secure salt to everyone. Nihonkaisui is developing businesses in various fields, such as the environment, food and agriculture using resources from the sea based on their ideas of technological capacity and monozukuri (integration of technological capabilities, know-how and spirit in Japan's manufacturing practices) that have been developed through the process of salt production, one of the bounties of the sea.

The Environment Division helps protect the environment with its adsorbent lead series

The Environment Division helps protect the environment with its adsorbent lead series that can remove heavy metals that are difficult to process, such as magnesium hydroxide, arsenic, fluorine and boron used for desulfurization or neutralization processes in coal-fired thermal power, as well as wastewater treatment equipment for organic matter with low degradability using ozone fine bubbles.

# **B-11** Japan System Planning Co., Ltd.

2-21-12 Sasazuka, Shibuya-ku, Tokyo,

151-0073, Japan TEL:+81-3-3377-1106 FAX:+81-3-3377-2214 E-MAIL: kanri@jspkk.co.jp URL: http://jsp-world.com/



NMR Pipetector handled by Japan System Planning Co., Ltd. utilizes free electrons in water (hydrated electron) by the effect of a specific length of electromagnetic wave the device itself radiates and stops new formation of internal red rust and converts existing red rust to black rust, which does not dissolve into water and acts as anti-corrosive coating on inner surface of pipe. This can renew water pipe and eventually extends its life span until that of building. NMR Pipetector can reduce financial burden drastically as the cost of the device, compare to that of pipe replacement, is less than 1/5 for domestic water pipes and less than 1/10 for air-conditioning water pipes. There are over 4,100 successful installations in the world. We conduct free trial for all the customers.

# B-12 Nippon Basic Co., Ltd. / A.I.T. Joint Exhibition

2-42-3-301 Kamikodanaka, Nakahara-ku,

Kawasaki-City, Kanagawa TEL:+81-90-2455-3618 FAX:+81-44-754-2892

URL: http://www.nipponbasic.ecnet.jp/eindex.html

#### Nippon Basic

Established: May 17, 2005, Capital: 10 million yen

Products: Bicycle-mounted emergency water purifiers, emergency hand-operated water purifiers in cases, seawater desalination equipment (engine-powered, electric-powered and manual), etc.

A.I.T.

During the 35 years since its founding in 1983, A.I.T. has operated as a company specializing in reverse osmosis membrane purification systems.

Products: Compact drinking water equipment (Hydro Pure Series), compact, mobile water purifier for disasters (Carry Pure-Pure Series)

# -6 HINODE SANGYO CO.,LTD

Nagase Bldg., 3854 Ikonobe-cho, Tsuzuki-ku,

Yokohama City, Kanagawa Prefecture

TEL:+81-45-507-3031 FAX:+81-45-507-3032

E-MAIL: k-fujita@hinodesangyo.com URL: https://hinodesangyo.com

We have been dealing with environmental issues through water treatment since 1976, when Hinode Sangyo Co., Ltd was founded. Sophisticated technologies for water treatment have become ever more important in preserving limited water resources. We provide the most suitable technologies and services, from design and construction to post-sales services and the analysis of effluent treatment facilities, in response to our clients' diverse demands for effluent treatment solutions.

# Fujiks Co., Ltd

1-8-2 Kaizuka, Kawasaki-ku, Kawasaki-shi, Kanagawa

TEL: +81-44-245-0761 FAX: +81-44-245-5871 URL: http://www.fujiks.com



- 1.Cleaning with high pressure water and cleaning with sterilization and deodorizing effects in addition, "tube cleaning plus
- 2. Sales of sanitized and deodorized water

To pets - Deodorization of excretion odors, removal of germs

- To exercise -Deodorization and sterilization of tools that cannot be washed, sterilization or
- 3. Feed ingredient analysis

Analytical objects: feed including imported cereals, raw materials such as fish meal, pet food, eco feed -waste food converted into feed

Analysis items: 5 main components (water, crude protein, crude fat, coarse fiber, ash), calcium, Phosphorus, salt etc. Total fiber (hemicellulose, cellulose, lignin, etc.).

# universities and companies, as well as ordinary households.

12th Kawasaki International Eco-Tech Fair

**MIYASAKA KOUGYO CO., LTD** 

Miyasaka Kougyo's "Nomeruzo Mini", a poly tank emergency water purifier, is a revolutionary

new product that can reuse water from plastic PET bottles that have expired to produce safe

drinking water. Using this product eliminates the need to replace PET bottled water every

time it expires, which can significantly reduce the number of bottles disposed and contributes

to reducing waste plastic and food loss. The Nomeruzo Mini has attracted attention in areas where urgent measures are needed, such as disaster prevention, the environment and food

loss. It can be purchased at the lowest price ever and is being introduced by governments,

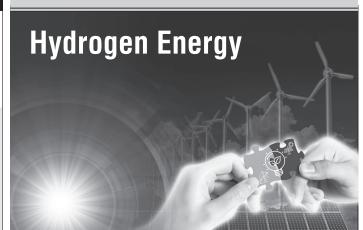
5568-2 Kanazawa, Chino City, Nagano Prefecture

TEL:+81-266-79-7115

FAX:+81-266-79-5597

URL: https://mskcg.jp/

E-MAIL: mskcg@po7.lcv.ne.jp



#### H-2 Ligaridge Co., Ltd.

# 304. Noborito 510. Tama-ku, Kawasaki,

Kanagawa, Japan 214-0014 TEL: +81-44-281-4868 FAX:+81-44-281-4868

E-MAIL: akashibridge21@hotmail.com URL: http://www.ligaridge.com



- 1) Water reformer (countermeasures to prevent deterioration of water supply pipes, antibacterial effect, improves antioxidative activity)
- 2) Emergency gas generator (clean exhaust gas, 72-hour continuous operation, LP and city-gas
- 3) Power-efficient air cleaning sheet (low cost, construction with uninterrupted service, maintenance free)
- 4) Non-electric powered solar lighting (ultimate lighting system only using sunlight)
- 5) Organic soil activator (pesticide free, uses non-chemical soil activator)
- 6) Reusable lighting sheet (Can be used any number of times and attached to any wall or floor)
- 7) Thermal barrier film (Solar reflective, achieves energy savings for air conditioning with an 85% or more cut in thermal rays)

# Kawasaki City Global Environment and Sustainability Office (Hydrogen related business)

17F Kawasaki City Hall No. 3 Bldg.,

1 Miyamoto-cho, Kawasaki-ku, Kawasaki City, Kanagawa Prefecture

TEL: +81-44-200-2178 FAX: +81-44-200-3921



Kawasaki City is working on activities to expand the use of hydrogen and fuel cells and increase understanding of hydrogen with the aim of creating a hydrogen society. One of the activities being carried out under this goal is expanding the use of fuel-cell vehicles that run on hydrogen. We hope you will come see the hydrogen-related technologies for automobiles that are such a part of people's daily lives and become familiar with the use of hydrogen.

# SHOWA DENKO K.K Kawasaki Plant

5-1 Ogi-machi, Kawasaki-ku, Kawasaki City

Kanagawa Prefecture TEL:+81-44-322-6813 FAX:+81-44-355-8435

URL: http://www.sdk.co.jp/index.htlm



Showa Denko's history began with the successful production of ammonia and ammonium sulfate using the country's first domestic technology (Government Chemical Industrial Research Institute Method). Today, the company has a diverse range of products, including basic chemicals such as caustic soda and sodium hypochlorite, industrial gases such as nitrogen, hydrogen and oxygen, highly pure gases (ammonia, chlorine, etc.) required for the production of semiconductors, liquid crystals and LED, special chemicals such as food additives and cosmetic materials, and columns used for high-speed chromatography, a technology used for the decomposition and analysis of chemical substances

# Chiyoda Corporation

Minato Mirai Grand Central Tower 4-6-2, Minatomirai, Nishi-ku, Yokohama 220-8765, Japan TEL: +81-45-225-7777

E-MAIL: HSCD\_ADM@chiyodacorp.com URL: https://www.chiyodacorp.com/en/



Smart industrial area and port is realized by Hydrogen energy and Digital technology

Chiyoda Corporation is an integrated engineering company in the energy sector. Since Chiyoda Corporation was established in 1948, Chiyoda has executed many projects in Kawasaki Rinkai industrial area and port.

Chiyoda is constructing the hydrogen supply chain bringing hydrogen at a large scale in a liquid at ambient temperature and pressure from overseas.

We will introduce not only SPERA Hydrogen system but also working on realizing the virtual plant concept by thinking that introducing digital and 3D technology into plant operation and maintenance will make it possible to make the whole plant space visualize easily and clearly.

# **Toshiba Energy Systems and Solutions Corporation**

72-34 Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa

TEL:+81-44-331-7702 FAX:+81-44-548-9500

URL: https://www.toshiba-energy.com/en/ hydrogen/index.htm



Toshiba's hydrogen energy system not only interpolates the instability of renewable energy and promotes its introduction, it also proposes solutions for various energy-related issues, such as local environmental measures, improved energy security and the creation of business opportunities

# F-4 NIPPON SEISEN CO., LTD.

4-17-1 Ikenomiya, Hirakata City, Osaka Prefecture

TEL:+81-72-840-1268 FAX:+81-72-840-5869

E-MAIL: h\_iwamoto@n-seisen.co.jp URL: http://www.n-seisen.co.jp



Our high-purity hydrogen purification separation membrane module with palladium copper alloy foil membrane developed by our company offers reliable design and excellent cost performance, and offers optimally designed products according to usage conditions from compact size. In addition, we will introduce a catalyst wire that can efficiently dehydrogenate MCH.

# --3 Mitsubishi Kakoki kaisha, Ltd.

2-1, Ohkawa-cho, Kawasaki-ku, Kawasaki,

Kanagawa 210-8560 Japan TEL:+81-44-333-5377 FAX:+81-44-333-5276

E-MAIL: hp@kakoki.co.jp URL: http://www.kakoki.co.jp



Guided by its corporate philsophy,the Mitsubishi Kakoki Group contributes to the ongoing development of society by providing high quality products and facilities based on solid technologies rootedin its manufacturing expertise and strict quality management skills. As we work to meet the needs of the new age,we remain connitted to taking up the challenge of venturing into new businees fields,and offering products,technologeis and services that answer the needs,of our customers.

# F-1 RIKEN KEIKI CO.,LTD

2-7-6 Azusawa, Itabashi-ku, Tokyo TEL: +81-3-3966-1111



It is thanks to you, our customers, that Riken Keiki Co., Ltd. is celebrating its 80th anniversary. Since our founding, we have strived to ensure industrial disaster prevention and safety under our corporate policy of "creating safe working environments for workers". Both now and in the future, we will continue to pursue the development of products to meet the needs of dependable quality and diversified industries by further enhancing the reliable technologies that are supported by our history and tradition. We will continue to grow and develop our company each day as we look towards the future by passing down the resolve of those who came before us, so that all who work can continue to live peaceful and safe lives.

#### 12th Kawasaki International Eco-Tech Fair



# D-10 KSP Inc.

2108 Shinmori-nishi, Moriyama-ku, Nagoya City,

Aichi Prefecture

TEL:+81-52-791-8450
FAX:+81-52-791-8453
E-MAIL: tokyo@ksp-japan.com
URL: https://www.ksp-japan.com/



KSP develops new proposals for factory floors.

Clean, undamaged floors! Are you looking to create an environment that maintains appearances?

You can fix peeling paint, stains, scratches and other problems using a special film.

No need to paint your floors several times a year! Reduce costs and solve problems!

KSP also recommends outdoor sheets that can be applied to asphalt, concrete, and uneven checkered steel plates!

 $\sim\!\!$  From painting to applying  $\sim\!\!$  Leave the 5S beautification of your factory in our hands!

# D-9 NIPPON FILM Co., Ltd.

3007-7 Shimogori, Oita City, Oita Prefecture

TEL:+81-97-569-5121 FAX:+81-97-569-6500

URL: http://www.nipponfilm.co.jp



Nippon Film will exhibit roll-type garbage bags with safety grips that have been adopted for use as designated garbage bags by about 230 municipalities throughout Japan. In order to reduce the amount of plastic waste, we have eliminated the outer bag to create simple packaging that can be fastened using recycled paper. To improve usability, we have added a safety grip at the bottom of the bag to prevent occupational accidents caused by sharp objects, such as glass fragments, when garbage is collected. The production history is printed on each bag and a tracking video system (24-hour recording with 5-year storage) is available to provide an accurate picture of times that quality defects occur.

# D-11 HORIUCHI Co., Ltd

271-2 Ochiai Yamanashi-city Yamanashi Japan

TEL:+81-553-22-4887 FAX:+81-553-23-2520

E-MAIL: information@horiuchi-s.com URL: http://www.horiuchi-s-shop.com



HORIUCHI Co.,Ltd brings its business from Yamanashi Prefecture, where Mt. Fuji is clearly visible, to this exhibition. The company's primary business is the installation and assembly of industrial printed circuit boards that are mounted onto electronic equipment. At the same time, it sells energy-saving and environment-friendly sanitation products that provide support for all your everyday lives. At this exhibition, HORIUCHI Co., Ltd. will exhibit and introduce its representative product, the environment-friendly lighting system CCFL Antibacterial Lighting

# Wako Sangyo Co.,Ltd.

1-3-17 Kokan-dori, Kawasaki-ku, Kawasaki City,

Kanagawa Prefecture TEL: +81-44-333-7283 FAX: +81-44-333-7257

E-MAIL: m-nakanishi@wakosangyo.co.jp URL: http://www.wakosangyo.co.jp



Wako Sangyo's first aid kit is a set that includes a coagulant that solidifies vomit, consumables, such as paper towels used for cleanup, and shoe covers to prevent infection. Coagulating, sanitizing and deodorizing vomit quickly helps speed up cleanup and reduces the risk of infection. The main raw materials in the coagulant are water absorbent resin made from recycled waste liquid from floor cleaning wax (previously treated and disposed of as industrial waste), sawdust and rice bran. This first aid kit is an eco-product made from patented technology that reuses materials conventionally treated as waste. It has also been certified as a Kawasaki Monozukuri Brand.

## 12th Kawasaki International Eco-Tech Fair



#### **E-8** ECOKS Co., Ltd.

Taihei Bid. 501, 3-7-7, Jingumae, Shibuya-ku,

Tokyo-to, 150-0001, Japan TEL: +81-3-6434-7772 FAX:+81-3-6657-1025 URL: http://ecoks.jp



Our regenerative fuel production machine, ecoks, is an energy-saving device that continuously inputs plastic waste as raw materials and thermally decomposes it at low temperatures. The recycled fuel manufactured, ecoks®, is a solid fuel that has been registered as a type 4 solid fuel and has oil-based high calorific value with charcoalbased sustainability, but unlike ordinary solid fuel, there are hardly any cinders left over after combustion. When it is transported to other prefectures, it can be transported as fuel, not industrial waste. The recycled fuel, ecoks®,, can be used as a fuel source for heating, refueling, melting snow, and power generation in agricultural houses, schools, hospitals and

# INTER-ACTION CORPORATION

3-18-21 Higashinakamoto, Higashinari-ku, Osaka City, Osaka Prefecture

TEL:+81-6-6975-6555 FAX:+81-6-6975-6566 E-MAIL: info@relaybag.com URL: http://www.relaybag.com/



Under the theme of support for recycling logistics, INTER-ACTION CORPORATION offers solutions for waste separation with the development of products focused on our "Relay Bags" (also commonly known as flexible container bags), which are containers for sorting, collecting and transporting recyclable resources, and combining them with steel logistics equipment. We will display our extensive support products that are essential for recycling logistics, including a lineup of more than 60 types of relay bags (flexible bags) in a rich array of colors,

# **ECO CORPORATION**

Second Shin-Osaka Building 7F, Nishinakajima, Yodogawa-ku, Osaka

TEL: +81-6-4805-7688

URL: https://www.eco-promo.ip/

en/index.html



We, ECO CORPORATION are sincerely trying to spread, change and improve the industry of waste treatment and recycling to the society with every method.

This time we would like to introduce virtual factory tour that distant waste enterprisers or new customers can see the inside of factory or office on the website

# EX Research Institute Ltd.

6F Meijiro Nakano Bldg., 2-17-22 Takada,

Toshima-ku. Tokvo TEL:+81-3-5956-7505 URL: https://www.exri.co.ip/

EX Research Institute is a group of professionals who design and produce a sustainable carbon-free society.

shapes and sizes, as well as our two-touch stand frame that allows flexible bags to stand

upon their own. Come look, touch and experience the practicality of our Relay Bags.

The Sustainability Design Division, Environmental Policy Research Division, International Consulting Division, and Environmental Engineering Division demonstrate our organizational expertise to address your challenges and strive to offer comprehensive value by working on cross-cutting issues that go beyond the specialized areas of the institute.

# Kureha Ecology Management Co., Ltd.

30 Shitanda, Nishiki-machi, Iwaki City, Fukushima 974-8232, Japan

TEL: +81-246-63-1231 FAX:+81-246-63-1232

E-MAIL: tomohiro\_yatsuda@kurekan.co.jp URL: http://www.kurekan.co.jp/en/



Kureha Ecology Management strives to protect the environment through the provision of comprehensive engineering services for industrial waste collection/transportation and intermediate treatment, as well as environmental equipment and facilities. An incineration facility in Kawasaki City detoxifies and treats PFOS (substances that do not decompose easily) and medical waste, and produces power using waste heat generated through the process of incinerating waste, which contributes to energy supply. The Kawasaki Logistics Center, which is attached to this facility, mainly handles the trans-shipment and storage of waste with low concentrations of PCB and infectious waste.

We are playing a part in the creation of a recycling-oriented society as a recycling industry in the "Manufacturing City of Kawasaki" by properly disposing diversified waste.

#### E-4 Corelex San-Ei Co., Itd. Tokyo factory

6-10 Mizuecho, Kawasaki Kawasaki-ku, Kanagawa 210-0866 Japan

TEL:+81-44-281-1100 FAX:+81-44-281-1101

E-MAIL:

URL: http://www.corelex.jp/sanei/



(1) Corporate profile: Since its establishment, Corelex Sanei has pioneered the commercialization of 「coreless」 products,and has developed systems for recycling waste

paper. In the past, waste paper was considered a non-renewable resource and was simply incinerated, but our systems enabled it to be coverted back into a usable resource. Our aim is to continue contributing to a sustainable society, by endeavoring to nurture creative and independent engineers, researchers and other employees demanded by a recycling-oriented society of the 21st century.

「Japanese Life Paper」 connecting people, the environment and the future Think of all paper as a resource

(2) PR: (3) Proposal:

17

**Environmental Solutions** 

# SINKPIA JAPAN CO., LTD.

Kitayamata, Tsuzuki-ku, Yokohama City, Kanaga Prefecture

TEL:+81-45-590-3626 FAX:+81-45-593-1150

E-MAIL: sinkpiajapan@sinkpia-j.co.jp URL: http://www.sinkpia-j.co.jp



Convert garbage to liquid by using the power of microorganisms, industrial garbage disposal

# JAPAN ENVIRONMENTAL SANITATION CENTER

10-6 Yotsuvakami-cho, Kawasaki-ku, Kawasaki City, Kanagawa Prefecture

TEL: +81-44-288-5095 FAX:+81-44-288-5217 URL: https://www.jesc.or.jp/



Since its foundation in 1954, the Japan Environmental Sanitation Center has developed technology in both Japan and overseas as a pioneer responsible for sanitation and the environment developed upon the pillars of technical support for administrative measures related to sanitation in daily life and environmental problems, support for the development of human resources, and dissemination of information and awareness programs for the public. JESC is engaged in providing support for various programs for a number of clients, including the national and local governments, businesses and NPOs in line with the administrative measures of each age, such as securing sanitation aiming at a life without mosquitoes and flies, pollution control measures for high growth, sustainable development and the formation of a recycling society.

#### E-10 **MIKUNIYA Corporation**

3-25-10 Mizonokuchi, Takatsu-ku, Kawasaki City, Kanagawa Prefecture, 213-0001, Japan

TEL:+81-44-577-3928 FAX:+81-44-822-1689 E-MAIL: info@mikuniya.co.jp

URL: http://www.mikuniya.jp/mikuniya\_eng/

index.html



Mishimax, an organic waste treatment system, reduces the volume of wastewater sludge food waste, and other forms of organic waste by more than 90% in 24 hours. Mishimax keeps on reducing organic waste on site for 6 months and contributes to reduce costs for waste

As transportation and incineration of organic wastes are not necessary, Mishimax's on-site treatment effectively reduces CO2 emissions and improves recycling rate. In 2017, Mishimax was designated as a "Low CO2 Kawasaki Brand" by Kawasaki City municipal government. Moreover, we would like to promote the diffusion of this technology in Japan and abroad.

#### **IoT Council of Waste Management and Recycling** E-3

Inside Resource Circulation Network, General Incorporated Association, 1-1-1 Hirano, Yahatahigashi-ku, Kitakyushu-shi,

Fukuoka, 805-0062 Japan TEL:+81-93-616-1069 FAX:+81-93-616-8150 E-MAIL: info@iot-recycle.com URL: http://iot-recycle.com/en/

The IoT Council of Waste Management and Recycling was the first organization in Japan established for the objectives of reviewing IoT adoption policies in the fields of waste treatment and recycling, making policy recommendations to the government, and creating new businesses, based on the premise of industry-government-academia collaboration. We conduct reviews through the activities of working groups that involve experts, local governments, IT corporations, manufacturers, and waste disposal businesses. By popularizing IoT technology and the associated new business models, we aim to solve problems in the waste disposal and recycling business sectors.

#### **E-9** Finetech Co., Ltd.

W-105 Tokyo Institute of Technology Yokohama Venture Plaza, 4259-3, Nagatsuta-cho, Midori-ku,

Yokohama, Japan 226-8510 TEL:+81-45-309-7901 FAX:+81-45-309-7902 E-MAIL: info@finetech.co.jp URL: http://finetech.co.jp/



"One small step for children and the future of the earth!

Finetech carries out research and development on nanotechnology and environmental technologies to create a sustainable low-carbon society. Fintech operates under three pillars: (1) environment and energy, (2) development of new green materials, and (3) control technologies. We are focusing on expanding overseas especially in the field of environmental  $technology \ with \ our \ "trash \ bag \ breaking \ and \ sorting \ machine" \ and \ "powder \ dryer" \ developed$ using Al/IoT as we aim to build a sustainable society with zero waste by utilizing unused waste as a resource.

# **FUJINO KOUGYO Co., Ltd.**

Resource Recycling Center, 165 Yamashiro, Kanan-cho, Minamikawachi-gun, Osaka Prefecture

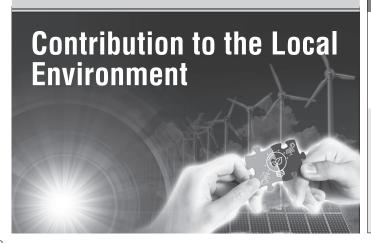
TEL:+81-721-93-1805 FAX:+81-721-93-1844

URL: http://www.fujino-kougyo.co.jp

Waste glass, bottles and glass bottle residues that are particularly difficult to recycle have traditionally been disposed of as trash. After processing at a plant exhausting residues to ensure environmental safety, they are re-marketed as Crystal Stone Sand.

Particle size can be adjusted and edgeless processing can also be used, removing risks and ensuring safety.

## 12th Kawasaki International Eco-Tech Fair



#### D-12.D-15 Kawasaki Eco-Tech

Kawasaki Frontier bldg 10th floor, 11-2 Ekimae-honcho, Kawasaki-ku, Kawasaki-city, Kanagawa, Japan

TEL:+81-44-200-2313 FAX:+81-44-200-3920

E-MAIL: 28ecotech@city.kawasaki.jp



In 1997, Kawasaki City drew up the Kawasaki Eco-Town Plan to create a model town along the entire coastal area of Kawasaki (about 2,800 hectares), where the environment and industry would exist in harmony. Approval was received from the national government as the first eco-town area in Japan. At our booth, we will introduce some of the initiatives being undertaken by recycling facilities and by companies involved in environmental technologies located in the Kawasaki Eco-Town area. Also on offer for local companies are consultation services by overseas support coordinators from the Kawasaki City Overseas Business Support Center (KOBS) on matters related to overseas business expansion. Please feel free to drop by.

# D-2 Kawasaki City Global Environment and Sustainability Office

1 Miyamoto-cho, Kawasaki-ku, Kawasaki City, Kanagawa Prefecture TEL: +81-44-200-2169

E-MAIL: 30tisui@city.kawasaki.jp



Over the past years, Kawasaki City has steadily promoted global warming countermeasures under the keywords of a "positive cycle of the environment and economy". The city is making an effort to ensure that global warming countermeasures contribute to the revitalization of the economy by taking advantage of the excellent environmental technologies and co-industries concentrated in the city. Kawasaki City is also engaged in global warming countermeasures that emphasize multiple benefits contributing to industrial promotion, disaster prevention and mitigation measures and upkeep of health. We will showcase these types of global warming countermeasures in Kawasaki City at our booth.

# -6 Credit Guarantee Corporation of Kawasaki-Shi

1-66 Nisshin-cho, Kawasaki-ku, Kawasaki City, Kanagawa Prefecture

TEL:+81-44-211-0503 FAX:+81-44-222-2080

URL: http://www.cgc-kawasaki.or.jp/



The Credit Guarantee Corporation of Kawasaki-Shi works daily to fulfil its role of over 70 years to facilitate smooth financial transactions of SMEs in Kawasaki City through its credit guarantee. In the future, the Credit Guarantee Corporation of Kawasaki-Shi will stay close to SMEs in Kawasaki City and provide assistance as an institution to support these companies that are creating a new future.

## F-7 Kawasaki Shinkin Bank

2-11-1 Isago, Kawasaki-ku, Kawasaki City,

Kanagawa Prefecture TEL:+81-44-220-2456 FAX:+81-44-244-9880

E-MAIL: k-support@kawashin.co.jp URL: https://www.kawashin.co.jp/



We will introduce not only SPERA Hydrogen system but also working on realizing the virtual plant concept by thinking that introducing digital and 3D technology into plant operation and maintenance will make it possible to make the whole plant space visualize easily and clearly.

# E-13 Kawasaki Zero Emission Industrial Complex

Kawasaki Eco-Town Hall, 6-6 Mizue-cho, Kawasaki-ku, Kawasaki City, Kanagawa Prefecture

TEL:+81-44-299-5374 FAX:+81-44-299-5371



As part of the development of a resource recycling environmental city aiming at sustainable development for the future, the Kawasaki Zero Emission Industrial Complex controls the generation of emissions and waste from business activities to the extent possible and reuses and recycles this waste to minimize their impact on the environment. The entire industrial complex has also acquired ISO14001 certification.

# F-13 COSMO SOUND Inc.

901 Dogenzaka Plaza Nishinaya Bldg., 1-18-8

Dogenzaka, Shibuya-ku, Tokyo TEL: +81-3-5456-1251

E-MAIL: cosmo-sound@info-trans.co.jp URL: http://www.cosmosound.co.jp/



This craft-like enclosure made from carefully-selected wood is a completely new piece released in September. Its wooden cone-shaped speaker conveys a beautifully expressive sound. No wiring is needed--just switch it on wherever you want for a deep and luxurious high-quality sound exactly like a wooden instrument. This is a valuable, limited production model that is difficult to find at mass retailers and through mail orders because it is handmade, not mass-produced.

# C-1 JXTG Nippon Oil & Energy Corporation

7-1 Ukishima-cho, Kawasaki-ku, Kawasaki City,

Kanagawa Prefecture TEL:+81-44-288-8301 FAX:+81-44-288-8360

URL: https://www.noe.jxtg-group.co.jp/



JXTG Nippon Oil & Energy procures stable supplies of primary energy sources, such as crude oil, natural gas, coal and solar power, efficiently converts it to the optimal energy type for our customers and offers total proposals for its safe use.

As a total energy company, JXTG Nippon Oil & Energy is using a variety of fuel supplies to develop the ENEOS Electric Power brand in order to provide an economical source of electric power and is working on the development of eco-friendly electric power, including wind power, mega solar, and biomass.

We are also contributing to the creation of a hydrogen society by developing infrastructure to supply hydrogen using SS networks.

# B-13 Nippon Koei Co., Ltd

1-14-6 Kudankita, Chiyoda-ku, Tokyo

102-8539, Japan TEL: +81-3-5276-3930 FAX: +81-3-5276-3024

URL: https://www.n-koei.co.jp/english/



With an aim of realizing a rich society in which people the world over can enjoy active and fulfilling lives, Nippon Koei contributes to nation-building around the world through a variety of fields, including consulting, power engineering, and urban and spatial development. We also offer solutions leveraging our predominance and uniqueness for attainment of the SDGs. In the field of environmental management, we assemble multidisciplinary teams of experts, drawing on their collective strengths to provide consulting services on issues from those relating to nature and the environment, such as biodiversity, deforestation and air pollution, to sanitation issues caused by waste and inadequate sewage treatment, and issues relating to the urban environment such as the pollution of rivers.

# F-14 yamato co.,ltd.

3F TK Bldg., 2-38-10 lkebukuro,

Toshima-ku, Tokyo TEL:+81-3-6912-5877 FAX:+81-3-5396-3600

URL : http://www.k-yamato.co.jp/



Masterful technique with incredible power Flexible GoldFinger High power, lightweight, and compact

# **UNION Co., Ltd**

2-3 Idasugiyama-cho, Nakahara-ku,

Kawasaki-City, Kanagawa Prefecture, 211-0036

TEL: +81-44-755-1107 FAX:+81-44-755-6711

E-MAIL: union@uni-project.co.jp

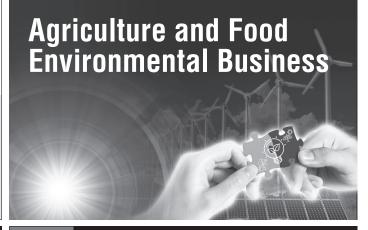
URL: http://www.uni-project.co.jp/pages/

unipele\_en.html



Union manufactures and sells UNI-PELE, an antibacterial product and material using plant materials. Union has developed an integrated line for planning, design and manufacturing in response to customer demand for its products. UNI-PELE controls the generation of toxic gases when burned compared to ordinary resin, which allows CO2 emissions to be reduced by 46.9%. This antibacterial resin also prevents the growth of bacteria, such as E.coli and

#### 12th Kawasaki International Eco-Tech Fair



#### **A-1 Ajinomoto Group**

1-1 Suzuki-cho, Kawasaki-ku, Kawasaki City,

Kanagawa Prefecture TEL:+81-44-233-0322 FAX:+81-44-245-1538

URL: https://www.ajinomoto.com/jp/

Amino acids are a source of life on earth. The Ajinomoto Group has refined advanced biofine technologies with a focus on research on amino acids as glutamic acid, a type of umami or savory substance, is also a type of amino acid. The Ajinomoto Group is engaged in the development of the food business based on its design technologies for delicious flavors that have resulted from its research and amino science business using amino acid functions and technologies. We will continue to contribute to solving social issues as a pioneer in pursuit of the infinite possibilities offered by amino acids.

# BRAIN / NARO ( Bio-oriented Technology Research Advancement Institution, National Agriculture and Food Research Organization

16F Parale Mitsui Bldg., 8 Higashida-cho, Kawasaki-ku,

Kawasaki City, Kanagawa Prefecture

TEL:+81-44-276-8597 FAX:+81-44-276-9143 E-MAIL: brainki1@ml.affrc.go.jp

URL: http://www.naro.affrc.go.jp/laboratory/brain/

The Bio-oriented Technology Research Advancement Institution of the National Agriculture and Food Research Organization (BRAIN/NARO) supports the foundation and practical application/use of R&D by private companies, universities and public research institutes that can be connected to the development of agriculture, forestry and fisheries, as well as the food industry by offering research funding through public recruitment. At this exhibition, we will be introducing information related to contracted research funds offered by our institution and examples related to agricultural and food-related environmental businesses from the results of past research carried out with funding from our institution.

#### 12th Kawasaki International Eco-Tech Fair

# **Environmental Solutions**

# **Custamtec CO., LTD**

1818 Tanokubo, Toon City, Ehime Prefecture

TEL:+81-89-990-1919 FAX:+81-89-990-1920

E-MAIL: custam@abelia.ocn.ne.jp URL: http://www.custamtec.com/



Introducing Pitta-ritto, an eco-friendly binding string developed, commercialized and produced by Custamtec, with the idea that this can help all who are interested in environmental issues even a little on a daily basis.

Pitta-ritto is an environmentally-friendly string that not only allows users to easily bind various slips and documents, but can also firmly bind documents that must be stored. Made from 100% used paper, Pitta-ritto is an economical and earth-friendly product that does not need to be separated when documents are discarded and can also be shredded.

# Kawasaki Green Innovation Cluster

Kawasaki Frontier Building 10th Floor, 11-2, Ekimae-honcho, Kawasaki-ku, Kawasaki City,

Japan, 210-0007 TEL:+81-44-200-2335

E-MAIL: 28ecotech@city.kawasaki.jp URL: https://www.kawasaki-gi.jp/english/



Kawasaki City stipulates "Policy to facilitate Kawasaki Green Innovation" for promoting an eco-friendly economy and society, with the outstanding features of environmental technologies and industries in Kawasaki City, and creates the sustainable City for the next

Kawasaki Green Innovation Cluster is a network established in April 2015 for promoting this Policy. It aims to improve the environment through the partnership among private, academic and public entities, and promote industrial activation and international contribution to formulate a new society.

#### A-6 Kanto Bureau of Economy, Trade and Industry

1-1 Shintoshin, Chuo-ku, Saitama City, Saitama Prefecture

TEL:+81-48-600-0291



In order to achieve sustainable growth, the Kanto Bureau of Economy, Trade and Industry provides support for the creation of new environmental businesses and overseas expansion that SMEs are engaged in with related organizations.

At this exhibition, we will introduce environmental technologies and products by companies in our jurisdiction.

OAnzaikantetsu Co., Ltd.

Top Water Systems Co., Ltd Yamato Sanko Mfg. Co., Ltd.

We will also showcase recycling of household appliances (home electronic appliances), such as TVs and washing machines.

# A-8 Keio university Faculty of Science and Technology Department of Applied Chemistry Okuda Laboratory

7-1 Shin-Kawasaki, Saiwai-ku, Kawasaki City, Kanagawa Prefecture

TEL:+81-44-580-1580 E-MAIL: k2-tc@adst.keio.ac.jp URL: http://www.k2.keio.ac.jp/en/

「Measurement and visualization of aerosol pollution status in subway and enclosed-space environment」

We are spending a large amount of time in enclosed-space environment, such as subway and office building. The subway system is a typical enclosed space and the attendant concerns about contaminated air

However, no systematic investigations on the air quality in subways have been carried out. This project aims to visualize and reduce the particulate matter-derived risks to facilitate "subways with the world's cleanest air". Our investigation has been introduced by TV and newspapers many times.

# -4 J-Credit Scheme

2-3 Kanda-nishikicho, Chiyoda-ku, Tokyo (J-Credit Scheme Office) TEL:+81-3-5281-7588

E-MAIL: offset@jcre.jp

URL: https://japancredit.go.jp/english/



What actions are being taken by companies to prevent global warming and reduce CO2 emissions? Carbon offset is an earth-friendly approach that can be easily taken by anyone. We will introduce systems to create J-Credit schemes with a focus on carbon offset using J-Credit. The J-Credit Scheme is a system where the amount of CO2 emissions reduced through the installation of energy-efficient equipment and the use of renewable energy, as well as the amount of CO2 absorbed through appropriate forest management are recognized by the national government as "credits".

# A-9 Digital und Meer Inc.

2F Vetch Mont yokote, 80-1 Akasaka-Tatenoshita,

Yokote City, Akita Prefecture TEL:+81-182-33-5060 FAX:+81-182-33-5060

E-MAIL: ecoa-support@und-meer.com URL: https://www.und-meer.com/



Digital und MeeR handles sales management and vehicle dispatch management systems for industrial waste and metal recyclers.

The company can flexibly customize functions that cannot be covered by existing systems and packages according to the customer's requirements.

In addition to this, Digital und MeeR is also developing tools for a wide range of fields, such as paperless conference tools and digital signage.

In 2018, the Small and Medium Enterprise Agency of the Ministry of Economy, Trade and Industry selected the company as one of 300 successful SMEs and a Smart SME Supporter. Please visit our booth if you are having problems with your in-house systems.

# **A-2** NEC Corporation

7-1, Shiba 5-chome Minato-ku, Tokyo TEL:+81-3-3454-1111



∖Orchestrating a brighter world

Committed to creating social value, NEC uses the power of ICT to collaborate with our customers and partners around the world to create a brighter and more comfortable world. We are committed to \Orchestrating a brighter world.

# 4-3 FUJITSU LIMITED

Shiodome City Center,

1-5-2 Higashi-Shinbashi, Minato-ku, Tokyo

TEL:+81-120-933-919

URL: https://www.fujitsu.com/global/



Fujitsu's role has always been to innovate, and through ICT to support society. The technologies we use to achieve this are constantly evolving to keep pace with the times, but technology itself will always remain at our core. It is how we compete. It is in our DNA. In this digital society, we continue to be a technology leader as we work to meet our customers' expectations.

# A-11 MICRONET CORPORATION

1376-14 Hirookano-mura, Shiojiri City,

Nagano Prefecture
TEL:+81-263-52-8655
FAX:+81-263-52-2693
E-MAIL: sales@micronet.jp
URL: https://www.micronet.co.jp

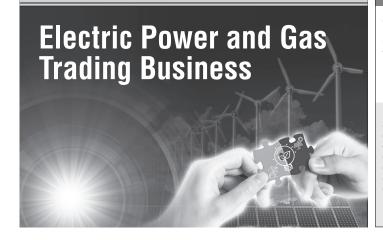


Micronet is an R&D company that provides outsourced support for the development of hardware and software.

The ANC noise reduction test system developed by Micronet can perform feed-forward and feedback tests, as well as periodic and random noise reduction tests (noise frequency: up to 3kHz).

This ANC noise reduction test system matches companies that are researching and experimenting on noise reduction. With this easy-to-use noise reduction test system, different types of data related to noise can be simply acquired to find filter coefficients to reduce noise.

#### 12th Kawasaki International Eco-Tech Fair



## G-3 iXs Co., Ltd.

2F A32 Kawasaki New Industrial Creation Center (AIRBIC), Shin-Kawasaki, Saiwai-ku, Kawasaki

City, Kanagawa Prefecture TEL:+81-44-589-1500 FAX:+81-45-560-6090 URL:https://www.ixs.co.jp/

iXs works daily to solve the social problems of today together with our customers, such as aging infrastructure, natural disasters and abnormal weather, and a decrease in skilled engineers, through our robot technology and Al/Data Service technologies under our corporate philosophy of "protecting society with robots x technology". In addition the development of inspection and industrial robots and robots that are compatible with special environments-areas that we have been engaged in to date? we also offer high value-added products and services specialized for social and industrial infrastructure, such as the development and operation of Al/Data Service systems, big data analysis and others.

# TOKYO GAS Co., Ltd.

Tokyo Gas Co., Ltd., 5F Kawasaki Bldg., 6-1 Ogawa-cho, Kawasaki-ku, Kawasaki City, Kanagawa Prefecture

TEL:+81-44-211-7212 FAX:+81-44-211-7138

URL: http://www.tokyo-gas.co.jp



Tokyo Gas discovered the high value of natural gas early on in Japan and overcame many difficulties to achieve the introduction of LNG. Fifty years later, the Tokyo Gas Group has continued to promote the widespread and advanced use of natural gas through repeated technological innovation and ingenuity in order to create a low-carbon society. At this exhibition, the Tokyo Gas Group will introduce its efforts focusing on the next 50 years in celebration of a half century of LNG and cases of "Energy as a service (EaaS)" where customers are offered services they need, rather than simply supplying gas and electricity, with awareness of the environment. In the future, Tokyo Gas will continue to evolve as a truly comprehensive energy company with a frontier spirit that has been passed down over the years in order to achieve the creation of a sustainable society.

#### S.T HOLDINGS CO.,LTD / ST International Co., Ltd. B-5

Shin-osaka Exel Bldg. 502, 1-19-10 Miyahara, Yodogawa-ku, Osaka-City, OSAKA

TEL:+81-6-6151-3944 FAX:+81-6-6151-3922 E-MAIL: stsales@st-inter.co.jp URL: http://www.aristi-trap.com



ARISTI Trap. . .

We recommend you to replace your steam traps.

We have succeeded in saving energy where no one was interested in and unnoticed.

#### **B-14 MDI** Corporation

3-12-10 Asada, Kawasaki-ku, Kawasaki, Kanagawa, JAPAN 210-0847

TEL:+81-44-201-6822 FAX:+81-44-344-2122 URL: https://www.mdirect.jp/



MDI conducts maintenance and consultation on energy saving equipment such as heat exchangers that use exhaust heat and recover heat.

12th Kawasaki International Eco-Tech Fair

**Energy Saving - Energy Management** 

Please feel free to contact us about heat exchanger defect investigation / analysis, energy saving consultation / suggestions, heat exchanger maintenance / chemical cleaning, etc.

#### B-16 K-Line Service Co., Ltd.

1F, 4-7-13 Fujisaki, Kawasaki-ku, Kawasaki City,

Kanagawa Prefecture TEL:+81-44-201-4408 FAX:+81-44-201-4409 E-MAIL: info@klsv.co.jp URL: http://www.klsv.co.jp



K.Line Service handles products connected with CSR and SDGs activities

#### **B-3** Concierge Co., LTD.

Shirokane Towers, 6-16-20-903 Shirokane,

Minato-ku. Tokvo TEL:+81-3-6803-6408 E-MAIL: info@econcierge.co.jp URL: http://shoenekakumei.com



"Energy-saving revolution." Concierge is a performance-based, energy-saving consultancy service nominated for the 2019 Grand Prize for Excellence in Energy Efficiency and Conservation. Concierge aims to maximize profit from reductions by limiting client expenditures to the greatest extent possible. We propose the best solutions from a number of options, including free diagnoses, guidance to improve operations, delivery of improved equipment and applications for subsidies. Our services that allow energy-saving activities to be performed without difficulty, effort or risk were recognized as reliable content in the industry's first final selection of Grand Prize in Energy Efficiency and Conservation.

# **JFE GROUP**

1-1 Ogishima, Kawasaki-ku, Kawasaki City,

Kanagawa Prefecture TEL:+81-44-322-1119 FAX:+81-44-322-1500

URL: https://www.jfe-holdings.co.jp/

en/index.html



In the JFE Group, JFE Steel, a company producing steel on a world-class scale with advanced technology development capabilities, and JFE Engineering, an engineering company supporting people's daily lives and industries by providing products and services based on the latest technology capabilities, are both engaged in development in various fields around the world. We will continue to bring together the Group's collective strengths under our code of conduct, "Challenge. Flexibility. Sincerity.", to create an excellent company for the 21st century rooted in our corporate philosophy of contributing to society using the world's best technology

# Gentle Lighting Co., Ltd.

1-15-30 Seki, Tama-ku, Kawasaki City,

Kanagawa Prefecture TEL:+81-44-811-3171 FAX:+81-44-829-5616 E-MAIL: info@g-lighting.co.jp URL: http://www.g-lighting.co.jp/

**B-4** 



Gentle Lighting is engaged in the construction and sales of electrodeless lamps and LED lighting as a replacement for mercury lamps. The company's electrodeless lamps were selected as a show window model project in Kawasaki City and have been installed in the gymnasium at Inada Junior High School and Seki Shopping Street in the city. Gentle Lighting's products are used in various facilities such as sports complexes and factories. Please contact us if you are interested in installation or sales

# B-8 New Energy and Industrial Technology Development Organization

Muza Kawasaki Central Tower, 1310 Omiya-cho, Saiwai-ku, Kawasaki City, Kanagawa Prefecture

TEL:+81-44-520-5152
URL:https://www.nedo.go.jp/english/index.html



NEDO is a National Research and Development Agency that plays a part in economic and industrial policies by promoting the development of technologies aimed at achieving solutions to energy and global environmental problems and strengthening industrial technology. As an agency for the development and management of technologies, we aim to solve social

As an agency for the development and management of technologies, we aim to solve social issues and create markets by optimally combining the technological and research capabilities of industries, academia and governments and promoting high-risk, innovative technological development and demonstrations to develop innovation in society.

# B-7 Soushow Co., Ltd.

2-29-11 Higashinogawa, Takatsu-ku, Kawasaki-shi,

Kanagawa, 213-0029, Japan TEL:+81-44-788-3377 FAX:+81-44-788-6440 **E-MAIL: bid@soushow.co.jp** 

URL: http://www.soushow.co.jp/en/home

Soushow specializes in the research, development and installation of such architectural and automotive films as energy-saving and heat-shielding films. Some of which include, Radi-Cool, a cooling film that does not require power, and X-3, a high-performing transparent heat-shielding film. At Soushow, we propose the most suitable solutions to meet our clients' peeds.

# B-6 Daiyu Freeze

6F Kawasaki Industrial Promotion Hall, 66-20 Horikawa-cho, Saiwai-ku, Kawasaki City, Kanagawa Prefecture

TEL:+81-44-548-4141 FAX:+81-44-548-4146

E-MAIL: daiyu@daiyufreeze.co.jp URL: https://www.kawasaki-net.ne.jp



Daiyu Freeze has developed a technique using liquid nitrogen to repair, replace and rehabilitate water pipes without cutting off water supply.

Daiyu Freeze is a company that replaces underground water pipes, constructs piping equipment for facilities and factories, and installs water supply and drainage pipes for apartment buildings. Daiyu Freeze has established a freezing technique where water supply continues uninterrupted using liquid nitrogen that allows pipes to be laid quickly even in places where water cannot be shut off for long periods of time, such as facilities and hospitals that operate 24 hours a day and large apartment buildings that are difficult to drain or fill with water. The advantage of this method is that it can be used even in situations where there are construction sites that require urgent attention or numerous construction parts because liquid nitrogen can be used to freeze the inside of the pipe from the outside using a special container. Daiyu Freeze has a number of successful examples with underground water pipes in busy quarters downtown and densely concentrated metropolitan areas.

# B-15 TACT MACHINE SERVICE Co., Ltd

7F Daiwa Shibadaimon Bldg., 2-9-16 Shibadaimon, Minato-ku, Tokyo TEL: +81-3-6721-5021

FAX:+81-3-6721-5022 **E-MAIL:** contact@tkt.co.jp

URL: https://www.tkt.co.jp/



EPSON's high-speed line inkjet multifunction machine prints at a maximum speed of 100 sheets per minute. That's about twice the productivity of a laser printer speed of 50 sheets per minute found in ordinary offices. Power consumption is also one-eighth of conventional printers! Come try it out!

# B-17 MIRAIINDUSTRY CO., LTD.

3-2-4 Nihonbashi-Hongokucho,

Chuo-ku, Tokyo TEL:+81-3-3242-7871 FAX:+81-3-3242-7874 E-MAIL: mirai@mirai.co.jp URL: http://www.mirai.co.jp/



Mirai Industry manufactures and sells electrical equipment and water supply/wastewater equipment. In recent years, we have stepped up efforts to develop products in the fields of renewable energy and energy efficiency. Our main product, the "Electric Power Manager", allows SME owners and facility managers in Japan to use electric power with ease and appropriately to save even more energy. At this exhibition, we will be performing a demonstration of this machine in real time. Please stop by and take a look at Mirai Industry's "Electric Power Manager".

#### 12th Kawasaki International Eco-Tech Fair



# G-6 TAISEI CORPORATION

21F S-Zone, Shinjuku Center Bldg., 1-25-1 Nishi-Shinjuku, Shinjuku-ku, Tokyo TEL: +81-3-5381-3377



Taisei Corporation is engaged in a number of activities to protect the environment. An overview of the company's environmental efforts will be presented on panels, focusing on typical actions in the Mt. Fuji-Nanryo Industrial Park located in Fujinomiya City in Shizuoka Prefecture.

## G-7 TOA CORPORATION

3-7-1, Nishi-shinjuku, Shinjuku-ku, Tokyo, 163-1031 Japan

TEL:+81-3-6757-3800

E-MAIL: toa-webmaster@toa-const.co.jp URL: https://www.toa-const.co.jp/eng/



Since its establishment in 1908, TOA CORPORATION has been engaged in dredging and reclamation for the construction of harbors and their related facilities, design and execution of coastline buildings, construction of airports, marine leisure facilities, warehouses for distribution, factories, and power plants. With its state-of-the-art technology, Toa has completed many projects of urban development, commercial buildings, hotels, medical, educational, cultural and residential facilities, and has gained a high reputation for each and every design, execution of construction and maintenance.

# TOUYOUROZAI CO., LTD.

12-1, Okawa-cho, Kawasaki-ku Kawasaki, Kanagawa, Japan

TEL:+81-44-333-8444 FAX:+81-44-333-8445

E-MAIL: touyorozai.kankyou@ac.auone-net.jp URL: http://www.touyourozai.jp/en/



Touyourozai was founded in 1961 as Toyorozai Kougyousho.

The company's Industrial Furnace Business Unit offers support with the developing of systems and reliable technologies covering the design, construction and maintenance of industrial furnaces. Its Incinerator Business Unit aims to contribute to society through the construction of incinerators that detoxify harmful substances emitted when combustible waste is incinerated. Under the motto of "Eco-friendly, human-friendly", the Wood and Bricks Business Unit aims to create cities of art by making effective use of resources through the use of recyclable materials. Its Overseas Buisiness Unit has a branch office in Laos and imports timber. The company will display the achievements of each business unit and introduce Laos with an exhibit of special products at this exhibition.

# LaKeel, Inc.

Atago Green Hills MORI Tower, 33F. 2-5-1, Atago, Minato-ku, Tokyo, 105-6233, JAPAN

TEL:+81-3-6441-3866 FAX: +81-3-6441-3867

**G-5** 

E-MAIL: lom-sales@lakeel.com URL: https://www.lafood.jp/



I want to learn! I want to take what you learn and put it into practice! And then I want to learn more! How should a learning environment be created that will lead to spontaneous action? Now open, Naria Academy is an online educational tool based on the theory of designing teaching aids to enhance the effectiveness of learning for course students. Introducing a new type of education that makes learning about occupational safety easy and fun. Actual animation is shown at the booth.

# Asia Air Survey Co., Ltd.

Shinyuri 21 Building 3F, 1-2-2 Manpukuji, Asaoku, Kawasaki-shi, Kanagawa Prefecture 215-0004, Japan

TEL:+81-44-969-7510 FAX:+81-44-965-0029

URL: https://www.ajiko.co.jp/en/



Owning our own camera-equipped aircrafts, we offer our customers a fully integrated service, from the acquisition of spatial information to its use. While it goes without saying that we are specialists in surveying and map-making, we are also proficient in the fields of disaster prevention planning, the environment and the conservation of infrastructure.

Our mission is to provide technologies and know-how for acquiring, analyzing, and managing a wide range of spatial data in order to support the natural environment and the social environment.

# Kanagawa Prefecture

4-23-11 Akuwahigashi, Seya-ku, Yokohama City,

TEL: +81-45-367-1712 FAX: +81-45-367-1708

E-MAIL: staff@hoshobousui.com URL: http://www.jcwrd.com/



The Japan Conference of Construction Works for Research and Development (JCWRD) is an organization that develops construction methods and products based on the theme of energy efficiency by making use of the on-site knowledge of 19 external finish building contractors around the country. Two of the 19 companies will have a joint display at this exhibition.

for Research and Development

**Japan Conference of Construction Works** 

Waterproof rooftop air control construction method: In this method, a layer of air is installed in the waterproof rooftop of a building and fresh air is circulated by a system that includes a deaeration cylinder and suction cylinder with a solar battery powered fan. This system removes moisture and heat stored inside the waterproof layer and gives buildings a longer ervice life with more efficient energy savings. Kubota Metal Works

Cool roof: Covering a metal folded-plate roof structure with a chilled roof thermal insulation sheet provides insulation in the summer and temperature control in the winter with an umbrella effect that is effective throughout the year. This ETVcertified technology to counter the heat island effect can be installed and uninstalled in a short construction period.

#### 12th Kawasaki International Eco-Tech Fair



# **ELIIY Power Co., Ltd.**

19F Shin-Ozaki Kangyo Bldg., 1-6-4 Ozaki,

Shinagawa-ku, Tokyo TEL: +81-3-6431-9044 FAX:+81-3-5740-6105

URL: https://www.eliiypower.co.jp/index.html



ELIIY Power manufactures and sells some of the world's safest, large lithium-ion batteries and power storage systems.

The storage battery system can be used as a backup power source for offices and homes in the event of a power outage in a disaster, as well as during regular use, such as peak shifts and peak cuts.

We have a lineup of products that are suitable for all different applications, including both portable and stationary systems. At this exhibition, we will also showcase our newest portable power storage system, POWER YIILE HEYA S, which has a storage capacity of

#### Outdoor

# Kawasaki New Energy Promotion Association CORPORATION

10th floor, Kawasaki Frontier bldg., 11-2 Ekimaehoncho, Kawasaki-ku, Kawasaki City, Kanagawa Prefecture, Japan

TEL:+81-44-200-2867

URL: http://www.kawasaki-energy.net/



The Association is an organization composed mainly of companies in Kawasaki City engaged in the sale and installation of solar power equipment and storage cells and in the construction of eco-friendly housing.

At the outdoor exhibition at this year's fair, we will be showcasing a tiny house that squeezes in the eco technologies of our members (energy-saving, energy-creating, energy-storing mobile house). Experience eco-friendly living for yourself.

If you are thinking about installing energy-saving equipment such as solar panels and storage cells, be sure to drop by our booth for a visit.

# KAWASAKI BIOMASS ELECTRIC POWER CO., LTD.

12-6 Ogimachi, Kawasaki-ku, Kawasaki City, Kanagawa Prefecture

TEL: +81-44-201-6775 FAX:+81-44-201-6776

URL: https://www.kawasaki-biomass.jp/



Kawasaki Biomass Electric Power is an eco-friendly, biomass-fired power generation facility that uses only woody biomass fuel with no fossil fuels such as oil and coal to supply "CO2free electric power". Here, a year of electric power can be generated for 38,000 ordinary households, which reduces CO2 emissions by about 120,000 tons per year. It is an urban biomass power plant equipped with environmental facilities and equipment, such as flue gas desulfurization equipment and flue gas denitration equipment that are not available at local biomass power plants, in order to meet the strict environmental standards in Kawasaki City. We promote the local production of energy for local consumption and are actively engaged in resource recycling by making effective use of construction waste chips as the main fuel and food residue biomass as secondary fuel.

# **DAIWA TECH Co., Itd.**

3-12-25 Akahane, Okaya City, Nagano Prefecture TEL: +81-266-22-5231

E-MAIL: info@daiwa-tech.co.ip URL: http://www.daiwa-tech.co.jp

DAIWA TECH's groundbreaking "geothermal storage floor heating system" makes the most of renewable geothermal energy. DAIWA TECH developed this system considering the importance of using renewable energy heat more effectively because the demand for heat in heating and cooling is quite high in the energy consumption mix. More energy can be saved by using heat storage materials under floors that do not allow heat to escape once warmed. The system heats the entire floor from the entranceway to the living room. Natural energy and heat storage materials have been combined to create an optimal heating system that is warm and clean with low-running costs 24 hours a day.

# Challenergy Inc.

Center of Garage (COG), 1-16-3 Yokogawa, Sumida-ku, Tokyo

TEL:+81-00-0000-0000

E-MAIL: contact@challenergy.com URL: https://challenergy.com/en/



Challenergy's "Magnus x Vertical Axis, Next Generation Wind Turbine" uses the Magnus Effect, a force generated when rotating cylinders are used in place of general propellers in an airstream and the wind power generator rotates on the vertical axis, making it possible to generate power in a stable way even with strong winds and turbulence as seen in typhoons. In addition, wind power generators that rotate at low speeds can reduce the impact on the surrounding environment, such as noise and bird strikes. With these features, Challenergy's wind turbines can be used even in areas where it is difficult to install wind power generators. It is also possible to secure a means of communication in the event of a disaster through linkages with communication satellites.

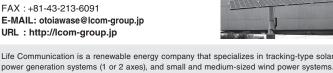
#### **C-2** Life Communication, Inc.

17F Sumitomo Chemical Engineering Center Bldg...

1-7-1 Nakase, Mihama-ku, Chiba City, Chiba Prefecture

TEL: +81-43-213-6911 FAX: +81-43-213-6091





power generation systems (1 or 2 axes), and small and medium-sized wind power systems. We offer the most economical and best performing products for your property or unused land. We also provide information on the most optimal systems for farmland, such as solar sharing, and supply storage batteries, peripheral equipment and solar power in lots.

## 12th Kawasaki International Eco-Tech Fair



#### **D-4** Kansai Electronics Co., Ltd.

Techno Front Morigasaki #208/#509, 4-6-15 Omori-minami, Ota-ku, Tokyo 143-0013

TEL: +81-3-6423-2858 FAX: +81-3-6423-2857

E-MAIL: kansai\_eigyo@kansaidenshi.co.jp URL: http://www.kansaidenshi.co.jp/PDF/



Kansai Electronics has developed a machine capable of the mass production of nanofibers, a cutting-edge material through a melting process (patented in 2017) using the know-how and manufacturing technology for radiation measurement instruments and physical and chemical appliances that the company has developed since it was first founded. Kansai Electronics' nanofiber melt spinning machine can mass-produce as much as 6kg of around 500-nm of fibers (1nm is 1 billionth of a meter) per hour. The types of fibers that can be produced as nanofibers include typical chemicals, such as polypropylene (PP), polyester (PEs) and polyethylene (PE), biodegradable polylactic acid (PLA) and other composite materials. These can be produced in flocculating or sheet-like shapes, depending on its application.

# Shingokizai Co., Ltd.

160 Ichinotsubo, Nakahara-ku, Kawasaki City,

Kanagawa Prefecture TEL:+81-44-411-2191 FAX:+81-44-422-1543

URL: http://www.shingokizai.co.jp/



Since its founding, Shingokizai has pioneered ways to create a new safe and secure society by thinking about safety for railways and roads. Shingokizai provides total service for city planning, from the development of plans, proposals and designs to sales and construction.

#### D-6 **TAZAKI ASAHI Corporation**

TOKYO-JAPAN

TEL: +81-3-3624-3541 FAX: +81-3-3624-0336 E-MAIL: yabe@t-asahi.co.jp URL: http://www.t-asahi.co.jp/



#### ISO9001/14001/JISB2401 certification acquired

We are a company that have been making and selling industrial products such as rubber 0-rings and molded rubber articles for more than a half century, having trading performance in various fields such as heavy electric machinery, semiconductor equipment, valve apparatus for water

sewage and medical appliances.

We are technical members who can offer clients good solutions based on compounding design.

Our rubbers are series of excellent products.

resistant to chlorine (patented) low friction and non-adhering super resistant to sun light super resistant to frictional wear super soft and flexible

# NIPPON ZETTOC CO., LTD.

1-5 Oyama-cho, Midori-ku, Sagamihara City, Kanagawa Prefecture

TEL:+81-42-775-8700 FAX:+81-42-775-7013 E-MAIL: furuya@zettoc.co.jp URL: https://www.zettoc.co.jp/



Nippon Zettoc has developed two new materials to clean up the environment (patent pending) and is seeking new business partners for industrial and practical applications.

1) Floating sorbent" is a material that that can easily and quickly recover oil to deal with oil pollution in the ocean and rivers. It continues to float after oil is adsorbed, forming clumps that make it easier to remove.

2) Purifiers" are materials that can decompose and remove harmful organic substances (phenol, agricultural chemicals, etc.) in water, air and soil. Purifiers retain a high level of decomposition activity even in environments without light, which allow it to efficiently decompose and remove harmful organic substances.

#### 12th Kawasaki International Eco-Tech Fair



# E-15 APPLIED TECHNOLOGY CO., LTD.

6F Meikei Bldg., 1-5-21 Otsuka, Bunkyo-ku, Tokyo TEL:+81-3-5319-3213

URL: https://www.apptec.co.jp/



Applied Technology offers technologies, products and services that can help identify solutions to issues at our customers' sites through manufacturing support, solution services using CAD and GIS, and engineering services for the environment disaster prevention and mitigation, i-construction, maintenance and management.

At this exhibition, we will introduce tests on technology to improve water quality in closed water bodies, such as lakes, that we are currently carrying out with the Kawasaki Environment Research Institute as a joint research project.

# F-5 Kawasaki Environment Research Institute

3F Life Science & Environment Research Center, 3-25-13 Tonomachi, Kawasaki-ku, Kawasaki City, Kanagawa Prefecture

TEL:+81-44-276-8964 URL:http://eri-kawasaki.jp/



The Kawasaki Environment Research Institute is located in the Kawasaki Life Science and Environmental Research Center at the Tonomachi International Strategic Zone. The institute conducts comprehensive research on the environment in collaboration with external research institutes such as the United Nations Environment Programme (UNEP), National Institute for Environmental Studies (NIES), Institute for Global Environmental Strategies (IGES), and universities, as well as local companies with excellent environmental technologies.

## F-11

#### The International Economic Affairs Office, Economic and Labor Affairs Bureau, Kawasaki City

Kawasaki Frontier Bldg. 10th Floor, 11-2 Ekimae-honcho, Kawasaki-ku, Kawasaki City, Kanagawa, 210-0007, Japan TEL:+81-44-200-2335

FAX:+81-44-200-3920 E-MAIL: 28ecotech@city.kawasaki.jp



The waterfront area of Kawasaki City has been playing a leading role in the industrial development in Japan.

The area also plays an important role in energy supply. In collaboration with the Committee

The area also plays an important role in energy supply. In collaboration with the Committee for Synergy in Keihin Industrial Complex and NPO Liaison Center, we will present activities to enhance the competitiveness and reduce environmental load through the collaboration among the private companies based in the area.

# F-8 The Kawasaki Chamber of Commerce and Industry

kawasaki frontier building 3rd floor 11-2 ekimae-honcho kawasaki-ku kawasaki-city kanagawa-ken 210-0007 Japan

TEL:+81-44-211-4114 FAX:+81-44-211-4118

URL: http://www.kawasaki-cci.or.jp/



We(The Kawasaki Chamber of Commerce and Industry) contribute growth and activation of the regional economy as the representing local economical body. Base on the international view points we offer comprehensive support through the following avtivities. 1.sending mission to foreign countries 2.proposal for the members demands 3.creation of needs 4.supporting manufacturing 5. revitalization of local shopping districts 6. aid to obtain the certificate of ECO-ACTION 21

# **H-3**

## **Environmental Restoration and Conservation Agency**

Muza Kawasaki Central Tower, Omiya-cho 1310, Saiwai-Ku, Kawasaki-Shi, Kanagawa 212-8554, Japan

Japan

TEL:+81-44-520-9501 FAX:+81-44-520-2131 **E-MAIL: erca@erca.go.jp** 

URL: https://www.erca.go.jp/erca/english/index.html



The Environmental Restoration and Conservation Agency (ERCA) is an incorporated administrative agency under the jurisdiction of the Ministry of the Environment. As a policy implementation agency in the environmental field, ERCA strives to create

As a policy implementation agency in the environmental field, EHCA strives to create and conserve a favorable environment, making use of its capabilities and knowledge on environmental issues that require measures to be taken on a global scale. By finding answers to various demands from Japan and overseas, we aim to become an organization that truly plays a role in the development of environmental measures. IMain areas of focus!

Compensation and prevention of pollution and health damage

Support for NGOs/NPOs and students who carry out environmental conservation activities

Relief for health victims of asbestos

• Allocation of general promotional costs for environmental research, etc.

# F-10 Committee for synergy in Keihin industrial complex

Nihon-Odori 1, Yokohama-shi TEL:+81-45-210-3255 FAX:+81-45-210-8837

URL: http://www.pref.kanagawa.jp/docs/y2w/ cnt/f12100/index.html



Since activities to improve the efficiency of business activities and conserve energy at the Keihin Rinkai Complex are already being promoted by individual companies, it will be necessary for companies to collaborate and take action that goes beyond the boundaries of companies and industries to develop further in the future. The committee includes representatives from 13 companies in various industries, such as petroleum refining, petrochemicals, steel, chemicals, cement, electric power, and gas. With the goal of constructing Keihin Smart Industrial Complex, The Keihin Industrial Complex aims to disseminate eco-friendly production models around the world that have achieved a balance and form a positive cycle between industry and the environment.

#### E-16

## **Urban Design Laboratory of Kogakuin University**

1-24-2, Nishi-Shinjuku, Shinjuku-ku, Tokyo TEL: +81-3-3340-3513





The purpose of our research is to develop a vacant land design prototype as a green infrastructure that citizens can use. We expect that the vacant lot will become a resource for building a symbiotic society in Kawasaki City.

# F-9 Liaison Center for Creation of Industry and Environment

66-20 Horikawa-Cho, Saiwai-ku, Kawasaki City,

Kanagawa 212-0013 TEL:+81-44-522-5455 FAX:+81-44-522-5455

E-MAIL: npo\_lcie@helen.ocn.ne.jp URL: http://www.lcie-npo.jp/

The Liason Center for Creation of Industry and Environment was established in August2004 by 13 interested organizations located mainly in the coastal area of Kawasaki City. Our Center promotes activities mainly in the Keihin Coastal area, aiming to help energize industries and solve environmental and energy problems by making use of our platform for collaboration among Industry, academia, government and citizens.

# H-9

## Senshu University Institute of Information Science

2-1-1, Higashi-Mita, Tama-ku, Kawasaki-shi,

Kanagawa, 214-8580 Japan TEL:+81-44-911-1238 FAX:+81-44-911-1238 URL: http://senshu-iis.jp/



Senshu University educates and carries out research based on the concept of "developing social intelligence" in cooperation with companies in Kawasaki City and industry/government/academic collaboration. Located on the Ikuta campus, the university's base for disseminating knowledge, the Institute of Information Science aims to broadly disseminate the achievements made in information science research at the university to the rest of the world.

[Exhibition contents]

Personal authentication with the generation of one-time images

# F-12

#### Kanto Branch of the Japan Patent Attorneys Association

2F Commerce & Industry Hall/Patent Attorney Hall Bldg.,

3-4-2 Kasumigaseki, Chiyoda-ku, Tokyo

TEL:+81-3-3519-2751 FAX:+81-3-3581-7420

E-MAIL: y.ohashi-jpaa@nifty.com URL: https://www.jpaa-kanto.jp/

The Kanto Branch of the Japan Patent Attorneys Association is a local JPAA group of attorneys from one metropolitan area and seven prefectures in the Kanto region (Tokyo, Kanagawa, Chiba, Saitama, Ibaraki, Gunma, Tochigi, and Yamanashi). The Kanto Branch is making an effort to develop the industrial economy of the Kanto region through publicity, dissemination of information and support activities for intellectual property systems. Please feel free to connect with us as a close partner for all your intellectual property needs.

# H-10

## Meiji University Advanced Plant Factory Research Center

1-1-1 Higashi Mita, Tama-ku, Kawasaki-shi,

Kanagawa-ken 214-8571 TEL:+81-44-934-7639 FAX:+81-44-934-7917

E-MAIL: tlo-ikuta@mics.meiji.ac.jp URL: https://www.meiji.ac.jp/cip/english/

institute/plant.html



The Advanced Plant Factory Research Center was built using subsidies provided through the Subsidy Project for Advanced Plant Factory Research Facility Development sponsored by the Ministry of Economy, Trade, and Industry. The development project was implemented with the aim of popularizing and expanding "plant factories" that can achieve more efficient agricultural production and ensure a stable food supply by serving as hubs of research development, technological promotion, and human resource development. A total of eight organizations with corporate status in Japan (including Meiji University) were selected for the project. The Meiji University plant factory will serve as one of these eight hubs for R&D and personnel training throughout Japan.

#### 12th Kawasaki International Eco-Tech Fair



# H-6

#### Non-Profit Organization Initiative for Development of Entrepreneurship in Asia (IDEA)

Asia Science Cafe, 1-18-11 Tonomachi, Kawasaki-ku, Kawasaki City, Kanagawa Profecture

Kawasaki City, Kanagawa Prefecture TEL:+81-44-542-5811

FAX: +81-50-3156-7352 URL: http://www.asia.or.jp



The Initiative for Development of Entrepreneurship in Asia (IDEA) is involved in the strategic development of personifying a "Japan in Asia" by training human resources in Asia and other areas as a strong management resource and matching them with Japanese companies. We are here to support you in training and using human resources in Asia as management executives developing the Asian market and as manufacturing engineers and technicians. We also promote the use of mobile POS registers responding to consumption tax reduction rate, cross-border e-commerce sites for China, and vending machines that can be used for "benefit-your-locality" tax scheme measures and inbound tourism measures and other measures.

Some examples of our business achievements are on display.

# H-4 Informatix Incorporated

27F Muzakawasaki Central Tower, 1310, Omiyacho, Saiwai-ku, Kawasaki, Japan

TEL:+81-44-520-0851 FAX:+81-44-520-0854 **E-MAIL:** info@informatix.co.jp

URL: http://www.informatix.co.jp/top/ companyinfo/profile\_e.html

With the spatial information system as the core, Informatix will build an information infrastructure to realize a more sophisticated, safer and more secure society, and we will also provide applications and services that help achieve increased efficiencies and decreased efforts.

#### D-14

## Japan International Cooperation Agency (JICA)

2-3-1 Shinko, Naka-ku, Yokohama City,

Kanagawa Prefecture TEL:+81-45-663-3252 FAX:+81-45-663-3265

URL: https://www.jica.go.jp/yokohama/



As the implementing agency for Japan's official development assistance (ODA) program, JICA carries out international cooperation with developing countries. JICA Yokohama Office uses the diverse technologies and know-how that exist in Kanagawa and Yamanashi prefectures, including the cities of Kawasaki, Yokohama and Sagamihara, and is engaged in solving global issues in cooperation with everyone.

JICA supports the overseas expansion of private companies in Kanagawa and Yamanashi prefectures, using our networks and relationships of trust with governments in developing countries that we have built over many years and the know-how developed through the implementation of projects.

#### **D-13 JETRO Yokohama**

2F Industrial Trade Center Bldg., 2 Yamashita-cho, Naka-ku, Yokohama City, Kanagawa Prefecture

TEL:+81-45-222-3901 FAX:+81-45-662-4980

URL: http://www.jetro.go.jp/yokohama



JETRO Yokohama Trade Information Center supports overseas business ventures of SMEs through consultations on trade and investment, support for overseas exhibitions and business negotiations

JETRO Yokohama Trade Information Center also supports the overseas expansion of companies in Kawasaki City and other areas in Kanagawa Prefecture.

# **Hong Kong Trade Development Council**

6F Trusty Kojimachi Bldg.,

3-4 Kojimachi, Chiyoda-ku, Tokyo

TEL:+81-3-5210-5850 FAX:+81-3-5210-5860 URL: https://www.hktdc.com/



The Hong Kong Trade Development Council is a special corporation established for the purpose of promoting foreign trade and economic relations with Hong Kong. The Council strives to provide support for promoting trade between Hong Kong and foreign countries and expanding business with Asia via Hong Kong. We also carry out exhibition activities and will introduce fairs at this exhibition, related to electronics, ecology and lighting in Hong Kong that are organized by the Council. A number of startups take part in these exhibitions that offer an opportunity for you to encounter companies in Hong Kong that you cannot meet in Japan. Please use this opportunity to expand your business and get an understanding of industry

## Lunch Recomendation

# Kawasaki Sodachi

## Come and enjoy Kawasaki specialities!













# **Lunch-Box from Kiyoken**



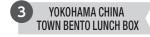






¥860-

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¥1,080-

¥730-









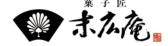
川崎市の「知的財産交流事業」を活用して開発された新商品!

市内和菓子屋「菓子匠 末広庵」の特殊製法 大手菓子メーカー「森永製菓」の特許技術

体に優しいギルトフリーな和スイーツ、宇治抹茶チョコ餡大福

「エンゼルのほっぺ」

【2階】 物販コーナーで絶賛販売中!









# Canon

キヤノン川崎事業所は、 敷地内緑化を積極的に推進しています。

キヤノンは地域社会はもちろんのこと、 国や地球、自然に対しても社会的責任を全うするよう、 努力を続けてまいります。



# 私たちは、 川崎国際環境技術展を 応援しています。



神奈川トヨタ http://www.kanagawatoyota.com



MIRA



神奈川トヨタ所有 初代クラウン 神奈川トヨタ DTEC 86R



 【本 社 】 神奈川県川崎市川崎区大川町12-1
 Tel. 044-333-8444 (代) Fax. 044-333-8445

 【仙台支店 】 宮城県刈田郡蔵王町宮字一本松西62-1
 Tel. 0224-32-3011 (代) Fax. 0224-32-3004

 【ラオス支店】 1st Floor Savan-SENO SEZ Authority's office No.9 Phetsalad, Nakea Village, Kaisone Phomyihanh, Savannakhet, Lao PDR, P.O.Box 200

tea Village, Kaisone Phomvihanh, Savannakhet, Lao PDR, P.O. Box 200

http://www.touyourozai.jp/

東洋ロザイ株式会社

# かわしん経営サポート

創業、新分野・成長分野進出、海外進出、 ビジネスマッチング、事業承継・M&A、その他

経営相談に関するお問合せは、

# 川崎信用金庫 お客さまサポート部 🔤 0120-502-456 へ

【受付時間】平日9:00~17:00 (土・日・祝日・12月31日~1月3日を除きます)

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- ご相談は無料で承りますが、相談内容によって、一部有料となる場合があります。



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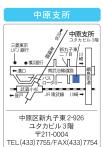


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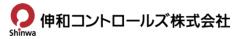
















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