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CORPORATE PROFILE

We unite several companies
for tackling
global environment problems.

A number of companies from across Japan,
who share high aspirations and possess leading technologies,
have come together to create a new business entity.

Our goal is to reduce the load on the global environment
and to solve management issues affecting the entire country.

The name “RENATUS” signifies “rebirth” and “re-creation”.

It denotes that the participating companies will be reborn,
and seek to resolve the issues faced by and to re-create local communities,
Japan’s industrial structure, and even the global environment.

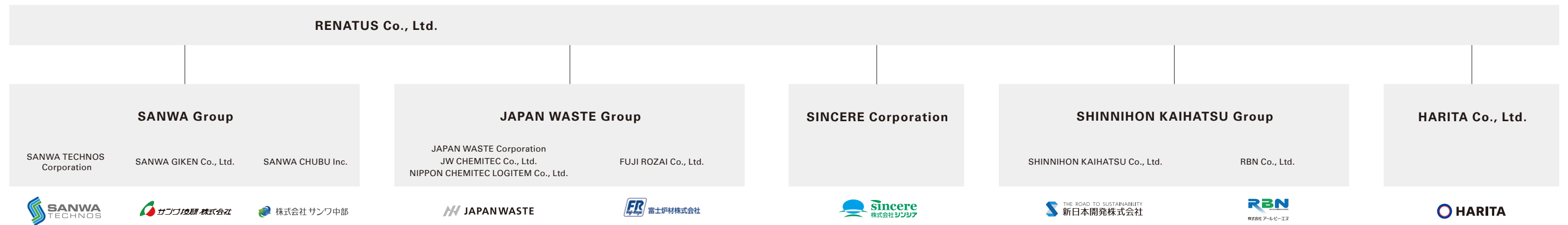


Company
Overview

Company Name	RENATUS Co., Ltd.	
Locations	【Headquarters and Yurakucho Office】 Daiichi-Seimei-Hibiya-first 18F, 1-13-2 Yurakucho, Chiyoda-ku, Tokyo, Japan 100-0006	
	【Kayabacho Office】 PMO EX Nihonbashi Kayabacho 8F, 2-12-10 Kayabacho, Nihonbashi, Chuo-ku, Tokyo, Japan 103-0025	
Date of Establishment	August 18, 2023	
Capital	100 million yen	
Executive	Teruhisa Tsugami	Representative Director, President
	Tomoya Higashiura	Chairman of the Board
	Hideaki Sakurai	Director
	Toshinobu Shioura	Director and full-time Auditor
	Masaaki Kobayashi	Director and Auditor(outside the company)
	Naoki Wakabayashi	Director and Auditor(outside the company)
	Kana Takahashi	Director and Auditor(outside the company)
Executive Officer	Teruhisa Tsugami	Chief Executive Officer (CEO)
	Yasuo Shima	Senior Executive Officer Deputy General Manager of Sales Strategy Division Representative Director, President of SINCERE Corporation
	Hiroyuki Nakanishi	Senior Executive Officer General Manager of Sales Strategy Division Representative Director, President of JAPAN WASTE Corporation
	Makoto Harita	Senior Executive Officer Representative Director, President of HARITA Co., Ltd.
	Keiji Yoshida	Senior Executive Officer Representative Director, President of SANWA GROUP Co., Ltd. Representative Director, President of SNK HOLDINGS Co., Ltd.
	Toshiaki Muranishi	Executive Officer General Manager of Group Support Division
	Daisuke Watanabe	Executive Officer General Manager of Management Division
Description of Business	Recycling and Waste Disposal Environmental Infrastructure and Building Maintenance Consulting	
Subsidiary Companies	RBN Co., Ltd. SANWA GIKEN Co., Ltd. SANWA GROUP Co., Ltd. SANWA CHUBU Inc. SANWA TECHNOS Corporation JW CHEMITEC Co., Ltd. JAPAN WASTE Corporation SINCERE Corporation SHINNIHON KAIHATSU Co., Ltd. SNK HOLDINGS Co., Ltd. NIPPON CHEMITEC LOGITEM Co., Ltd. HARITA Co., Ltd. FUJI ROZAI Co., Ltd.	

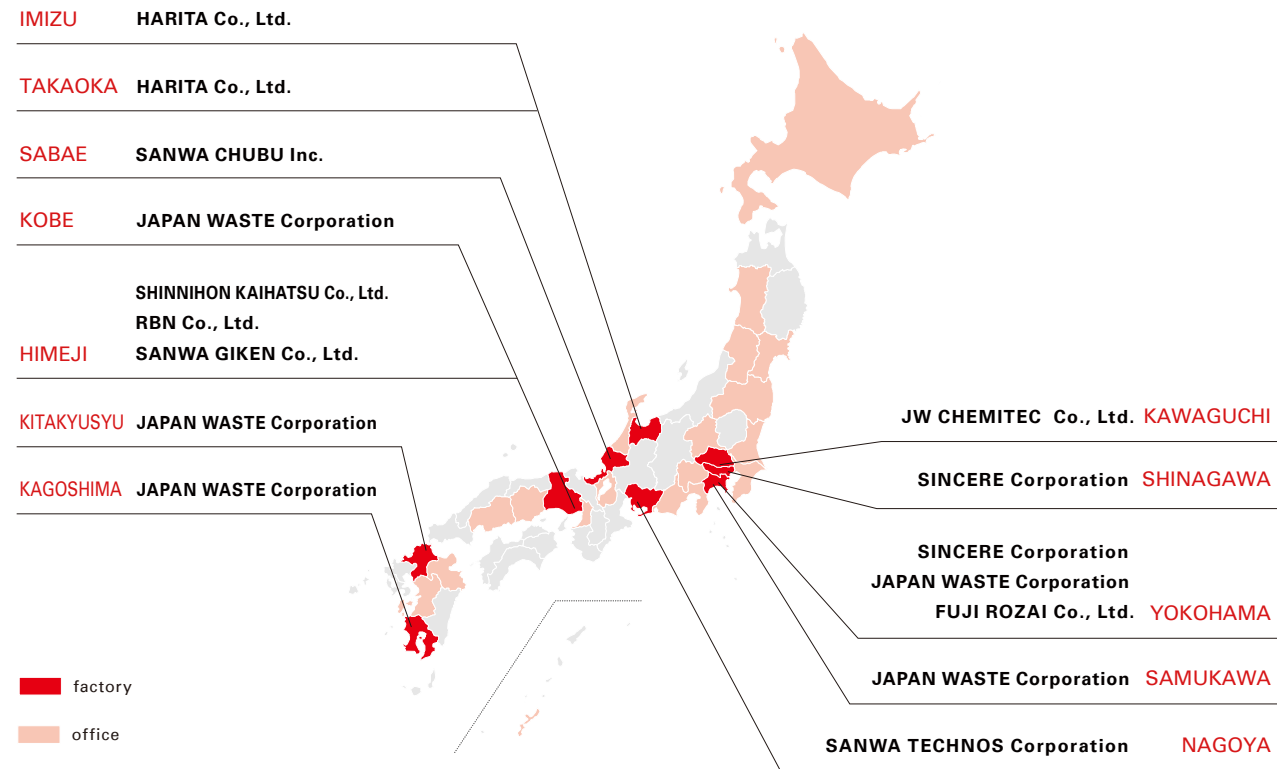


We have entered an age in which it is no longer possible to consider societal issues independently of the environment. Examples include decarbonization, global warming countermeasures, reducing the environmental burden of societal and economic activities, and sustainable economic growth. Modern human lifestyles emit vast amounts of carbon dioxide and have caused environmental destruction on a global scale; this, in turn, has resulted in climate change, natural disasters, and loss of biodiversity. By drawing on the strengths of each of its subsidiaries, the RENATUS Group intends to proactively provide novel solutions to combat these global environmental issues. Indeed, at RENATUS, our goal is to become a leading Japanese provider of environmental solutions.



area

Combining the reach of each of its subsidiaries, the area covered by the RENATUS Group stretches from the Tohoku region in the northeast to Kyushu in the southwest.



field

The RENATUS Group seeks to provide products and services of the highest quality in wide-ranging environmental fields. We also intend to actively research and develop new technologies and innovative systems, to provide even greater benefit to society.

Recycling and Waste Disposal

At RENATUS, we recycle and dispose of waste and scrap generated through our customers' business activities. We react swiftly to changes in laws, regulations, and social trends, cater to the varying needs of our customers, and use optimal methods to carry out the recycling, resource recovery, and final disposal of waste in a responsible manner.

Incineration and Melting

Mixing and Adjusting, Neutralizing, and Oil Separation

Crushing and Sorting
● Recycling Metals
● Recycling Household Appliances

Environmental Infrastructure and Building Maintenance Business

Our meticulous services cater to all manner of customer needs for maintaining comfortable working environments. Examples include everyday cleaning, maintenance, and repairs to floors and plumbing; management of plants, trees, and other green spaces; and deep cleaning of chairs, carpets, and other furnishings. We also possess the expertise and experience required for cleaning cleanrooms.

Consulting Business

We offer comprehensive support for the management aspects of recycling and disposing of waste and metals, including reducing customer risk, lowering costs, and lightening administrative loads. We also draw on our nationwide network of trustworthy partners to propose optimal processing flows for our customers.



sanwa-g.co.jp



Overview of Group Companies

Company Name:
SANWA GROUP Co., Ltd.

Headquarters:
3 Shiomicho, Minato-ku, Nagoya-shi,
Aichi, Japan 455-0028
Tel: 052-612-3105

Established:
June 2008

Business:
◎Management Support for SANWA GROUP
Companies

Group Operating Companies

Company Name:
SANWA TECHNOS Corporation

Headquarters:
3 Shiomicho, Minato-ku, Nagoya-shi,
Aichi, Japan 455-0028
Tel: 052-612-3105 Fax: 052-612-3115

Established:
June 2008

Business:
◎Intermediate Processing of Industrial Waste
◎Collection and Transportation
of Industrial Waste
◎Consulting

Capital:
35 million yen

Representative Director and CEO:
Yuu Nishimura

Company Name:
SANWA GIKEN Co., Ltd.

Headquarters:
2-8 Nittocho, Handa-shi,
Aichi, Japan 475-0033

Established:
January 1978

Business:
◎Intermediate Processing of Industrial Waste
◎Collection and Transportation
of Industrial Waste
◎Consulting

Capital:
95.5 million yen

Representative Director and CEO:
Toshitaka Kawai

Company Name:
SANWA CHUBU Inc.

Headquarters:
1-7 Nittocho, Handa-shi,
Aichi, Japan 475-0033

Established:
January 2008

Business:
◎Intermediate Processing of Industrial Waste
◎Collection and Transportation
of Industrial Waste
◎Consulting

Capital:
10 million yen

Representative Director and CEO:
Shigeki Iwasaki

Business Overview

Recycling and Waste Disposal

Operating primarily in the Chubu, Hokuriku, and Kansai regions, the SANWA GROUP uses optimal methods to treat and recycle liquid, sludge, and solid forms of industrial waste and specially controlled industrial waste.

◎Waste Management

Waste-to-Fuel

We mix high-calorie materials such as waste grease and waste solvents with low-calorie materials such as waste alkali, and recycle them into fuel alternatives to coal. We carefully ascertain the properties of the waste, how it reacts after being mixed, etc., giving ample consideration to safety. We use continuous flow centrifugation to remove impurities from mineral oil and convert it into recycled fuel equivalent to heavy oil.

Waste Liquid Treatment

We mix waste acids and waste alkalis, adding chemicals to adjust the formula of the mix where necessary. After adjusting, the mix is used to regulate the temperature of our incinerators and firing furnaces; it is also used as a low-calorie material in our waste-to-fuel business.

Recycling of Sludge and Other Materials

We mix sludge, particulate matter, and other materials—adding chemicals where necessary—adjust the water content and formula of the mix, and reuse it as a raw material in the cement and civil engineering industries.

Group Plants	Treatment Methods and Capacities
SANWA TECHNOS	Mixing and emulsification: 160 m ³ /day (8 hours) Oil-water separation: 28 m ³ /day (8 hours) Neutralization: 48 m ³ /day (8 hours) Cutting and separation: 2.3 t/day (8 hours) Reforming and sorting: 1,540 m ³ /day (24 hours)
SANWA GIKEN Himeji Plant	Mixing and adjusting: 240 m ³ /day Kneading: 416 m ³ /day Mixing and neutralizing: 47.3 m ³ /day (tank); 2.7 m ³ /day (kneader)
SANWA CHUBU Sabae Plant	Mixing and adjusting: 528 m ³ /day (8 hours) Neutralization: 45 m ³ /day (8 hours) Separating, mixing, and adjusting: 90 m ³ /day (9 hours)
SANWA CHUBU Odaka Plant	Neutralization: 48 m ³ /day (8 hours)

◎Contaminated Soil Treatment

Linking the different waste-generating businesses and the SANWA GROUP companies’ intermediate treatment facilities is the transport capacity of the collection vehicles we own. Our three group companies collectively have permits to collect and transport industrial waste in 27 prefectures. Using our wide network, primarily in the Chubu, Hokuriku, and Kansai regions, we can collect and transport overland a range of waste products. In addition, SANWA TECHNOS also transports waste by ship, using dedicated wharfs owned by adjacent partner companies. This allows us to ship in bulk over a wider area both efficiently and with less environmental impact. This specialization is built upon the wealth of knowledge, skills, and expertise we have accumulated over many years of handling waste, and plays a role in the recycling and appropriate treatment at our intermediate treatment facilities and partner treatment companies. In the event of an emergency, such as a spill incident, we can promptly respond by selecting the most suitable vehicle from our diverse fleet.

Our fleet (all three companies combined)
Tanker trucks x 25 Vacuum trucks x 13 (including 3 acid-resistant vehicles) Blower trucks x 5 Semi-trailer tanker trucks x 7 (including 1 acid-resistant vehicle) Cab-over trucks x 12 Van-type semi-trailer truck x 1 Dump trucks x 4
Total : 67

Consulting Business

Drawing on our recycling network of waste and contaminated soil processing partners, we propose treatment methods optimized for the needs of our customers. We provide comprehensive support for industrial waste. This includes tank and pit cleaning, facility improvements, waste treatment, and safe operations.

Branch Locations

SANWA TECHNOS
3 Shiomicho, Minato-ku, Nagoya-shi, Aichi, Japan 455-0028 Tel: 052-612-3105 Fax: 052-612-3115
SANWA GIKEN
Himeji Plant 3059-21 Aza Horai, Nakashima, Shikama-ku, Himeji-shi, Hyogo, Japan 672-8035 Tel: 079-233-1011 Fax: 079-233-7555
SANWA CHUBU
Sabae Plant 1-301-25 Miyukicho, Sabae-shi, Fukui, Japan 916-0015 Tel: 0778-51-9123 Fax: 0778-51-9121
Odaka Plant 66-5 Torashinden, Odakacho, Midori-ku, Nagoya-shi, Aichi, Japan 459-8001



Permit Acquisition Status

SANWA TECHNOS
Industrial Waste Disposal Service Nagoya City: Permit No. 06420146830 Permitted Items: Cinders, Sludge, Waste Grease, Waste Acid, Waste Alkali, Waste Plastics, Paper Waste, Wood Waste, Fiber Waste, Metal Scrap, Glass Scrap, Concrete Waste, Ceramic Waste, Slag, Debris, and Dust
Specially Controlled Industrial Waste Disposal Service Nagoya City: Permit No. 06470146830 Permitted Items: Waste Grease, Waste Acid, and Waste Alkali
Industrial Waste Collection and Transportation Service 11 Prefectures and One City
Specially Controlled Industrial Waste Collection and Transportation Service 11 Prefectures and One City
SANWA GIKEN
Industrial Waste Disposal Service Himeji City: Permit No. 07023003532 Permitted Items: Cinders, Sludge, Waste Grease, Waste Acid, Waste Alkali, Waste Plastics, Slag, And Dust
Specially Controlled Industrial Waste Disposal Service Himeji City: Permit No. 07073003532 Permitted Items: Waste Grease, Waste Acid, and Waste Alkali
Industrial Waste Collection and Transportation Service 21 Prefectures
Specially Controlled Industrial Waste Collection and Transportation Service 21 Prefectures
SANWA CHUBU
Industrial Waste Disposal Service Fukui Prefecture: Permit No. 01820140765 Permitted Items: Cinders, Sludge, Waste Grease, Waste Acid, Waste Alkali, Waste Plastics, Paper Waste, Wood Waste, Metal Scrap, Slag, and Dust Nagoya City: Permit No. 06420140765 Permitted Items: Waste acid and Alkali
Specially Controlled Industrial Waste Disposal Service Fukui Prefecture: Permit No. 01870140765 Permitted Items: Sludge, Waste Grease, Waste Acid, and Waste Alkali Nagoya City: Permit No. 06470140765 Permitted Items: Waste Acid and Alkali
Industrial Waste Collection and Transportation Service 20 Prefectures
Specially Controlled Industrial Waste Collection and Transportation Service 18 Prefectures



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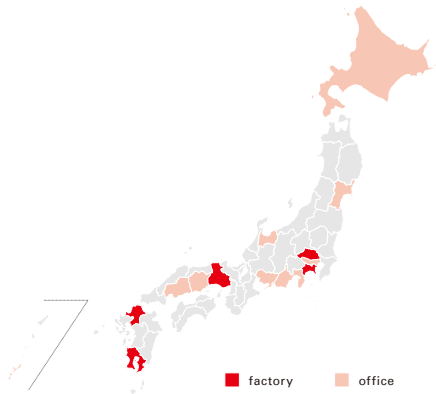
JAPAN WASTE Corporation
JW CHEMITEC Co., Ltd.
NIPPON CHEMITEC LOGITEM Co., Ltd.



富士炉材株式会社

www.jwgroup.co.jp/fujirozai

FUJI ROZAI Co., Ltd.



Overview of Group Companies

Company Name:
JAPAN WASTE Corporation

Headquarters:
PMO EX Nihonbashi
Kayabacho 8F,
2-12-10 Kayabacho,
Nihonbashi, Chuo-ku,
Tokyo, Japan 103-0025
Tel: 03-6661-2327
Fax: 03-6661-2328

Head Office:
21 Uozakihama-machi,
Higashinada-ku, Kobe-shi,
Hyogo, Japan 658-0024

Established:
April 1964

Business:
◎Detoxification and
recycling of industrial waste
and specially controlled
industrial waste
◎Collection and transport
of industrial waste
and specially controlled
industrial waste

Capital:
800 million yen

Representative Director and CEO:
Hiroyuki Nakanishi

Company Name:
FUJI ROZAI Co., Ltd.

Headquarters:
Nishikamata NS Bldg. 8F,
6-36-11 Nishikamata, Ota-ku,
Tokyo, Japan 144-0051
Tel: 03-3735-8111
Fax: 03-3733-2479

Established:
May 1956

Business:
◎Collection, transport, and
intermediate processing
of industrial waste
◎Contracting for furnace
construction and
dismantling
◎Refractory materials and
recycled resources
wholesaling

Capital:
10 million yen

Representative Director and CEO:
Kenitsu Kasaki

Business Overview

Recycling and Waste Disposal

◎Industrial Waste Processing, Recycling

We have permits for industrial waste and specially controlled industrial waste collection and transportation nationwide, and have intermediate disposal business permits in key areas nationwide. We also have 15 bases nationwide, from Hokkaido to Okinawa, offering a system that provides appropriate and prompt processing based on rigid safety management. We are also working to ensure superior detoxification processing technology and zero emissions, becoming a one-stop solution for the environmental field.



JAPAN WASTE Kobe Plant



JAPAN WASTE Samukawa Plant



JW CHEMITEC Kawaguchi Plant

◎Recycling Refractory Bricks

At FUJI ROZAI, we collect waste refractory bricks from repairs or improvements to waste incinerators or when glass manufacturing kilns are dismantled. The collected waste refractory bricks are carefully analyzed and then recycled into refractory bricks or roadbed materials.

◎Electricity from Waste

We generate electricity by using the heat generated through the combustion of waste. Through generating electricity from waste, we can work to reduce CO₂ emissions and contribute to achieving a sustainable society through our business.



JAPAN WASTE Shinmoji Plant

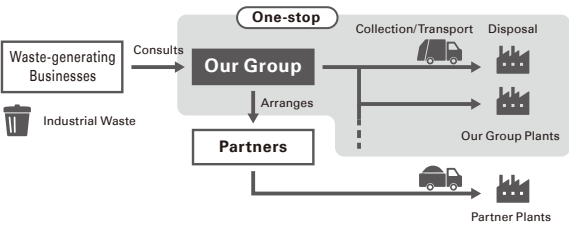
◎Appropriate Processing for Waste Reagents and Liquids

Waste reagents and other unwanted chemicals from universities or private-sector testing and research facilities need to be disposed of appropriately based on their type and composition. We can process these wide varieties of waste items to make them safe using specialized lines under thorough strict safety management. We also analyze chemicals of unknown nature to confirm the best way to process them.



Consulting Business

Through our nationwide network, we offer a one-stop solution to our customers' waste-related problems.



Branch Locations

JAPAN WASTE Tokyo Headquarters

PMO EX Nihonbashi Kayabacho 8F, 2-12-10 Kayabacho, Nihonbashi, Chuo-ku, Tokyo, Japan 103-0025

Tel: 03-6661-2327 Fax: 03-6661-2328

Sapporo Sales Section

22 Minami15-Sennishi, Namporo-cho, Sorachi-gun, Hokkaido, Japan 069-0215

Tel: 011-398-7861 Fax: 011-398-7862

Sendai Sales Office

6-5-11 Shirakashidai, Rifu-cho, Miyagi-gun, Miyagi, Japan 981-0134

Tel: 022-767-6780 Fax: 022-767-6820

North Kanto Sales Office

616 Hongo-Higashinaka, Sugito-machi, Kitakatsushika-gun, Saitama, Japan 345-0023

Tel: 0480-33-4393 Fax: 0480-33-4423

Kanto Branch

5-1-39 Ryoke, Kawaguchi-shi, Saitama, Japan 332-0004

Tel: 048-222-8711 Fax: 048-222-8719

Yokohama Branch

4-1 Daikoku-cho, Tsurumi-ku, Yokohama-shi, Kanagawa, Japan 230-0053

Tel: 045-718-5304 Fax: 045-510-3414

Shonan Branch

1590-4 Tabata, Samukawa, Koza-gun, Kanagawa, Japan 253-0114

Tel: 0467-75-1044 Fax: 0467-75-1217

Shizuoka Sales Section

174-3 Sakamoto, Yaizu-shi, Shizuoka, Japan 425-0004

Tel: 054-621-6121 Fax: 054-626-0223

Nagoya Sales Office

2350 Kujimen, Kamizue, Komaki-shi, Aichi, Japan 485-0822

Tel: 0568-76-5984 Fax: 0568-77-1293

Hokuriku Sales Section

556-1, Hagiwara, Toyama-shi, Toyama, Japan 939-8261

Tel: 076-423-1030 Fax: 076-423-1262

Kobe Branch

21 Uozakihama-machi, Higashinada-ku, Kobe-shi, Hyogo, Japan 658-0024

Tel: 078-412-2144 Fax: 078-412-3565

Okayama Sales Section

1157-1 Kanaokanishimachi, Higashi-ku, Okayama-shi, Okayama, Japan 704-8193

Tel: 086-948-4171 Fax: 086-948-0511

Hiroshima Sales Section

3-2-4 Tomonishi, Asaminami-ku, Hiroshima-shi, Hiroshima, Japan 731-3169

Tel: 082-811-8691 Fax: 082-811-8173

Kitakyushu Branch

3-81-5 Shinmoji, Moji-ku, Kitakyushu-shi, Fukuoka, Japan 800-0115

Tel: 093-481-6050 Fax: 093-481-6068

Kagoshima Branch

3-2-10 Taniyamako, Kagoshima-shi, Kagoshima, Japan 891-0131

Tel: 099-201-8181 Fax: 099-201-8111

Okinawa Sales Section

5-15-2 Nishizaki-cho, Itoman-shi, Okinawa, Japan 901-0306

Tel: 098-916-3741 Fax: 098-995-0580

Group Companies

JW CHEMITEC Co., Ltd. Kawaguchi Plant

5-1-39 Ryoke, Kawaguchi-shi, Saitama, Japan 332-0004

Tel: 048-224-1351 Fax: 048-222-8719

NIPPON CHEMITEC LOGITEM Co., Ltd.

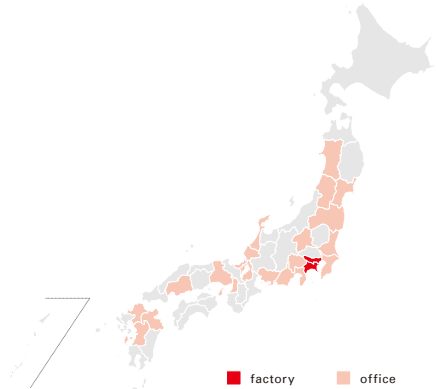
5-1-39 Ryoke, Kawaguchi-shi, Saitama, Japan 332-0004

Tel: 048-225-3282 Fax: 048-224-9990

FUJI ROZAI Co., Ltd.

Nishikamata NS Bldg. 8F, 6-36-11 Nishikamata, Ota-ku, Tokyo, Japan 144-0051

Tel: 03-3735-8111 Fax: 03-3733-2479



Company Overview

Company Name:
SINCERE Corporation

Headquarters:
Omori Bellport D 6F, 6-26-3 Minamioi,
Shinagawa-ku, Tokyo, Japan 140-0013
Tel: 03-3764-5300 Fax: 03-3764-5347

Established:
February 1969

Business:
Resource Cycle Recycling
Environmental and Building Maintenance
Consulting

Capital:
300 million yen

Representative Director and CEO:
Yasuo Shima

Business Overview

Recycling and Waste Disposal

Resource Cycle (RC) and Recycling

SINCERE uses its array of incineration, melting, crushing, compacting, and cutting facilities to process unwanted ICT equipment and waste generated from business activities. Recognizing that waste processing facilities capable of processing waste in a proper and safe manner are crucial in the Tokyo metropolitan area, which generates vast quantities of waste, we offer 24-hour, 365-day services for the processing of industrial waste, infectious and other forms of specially controlled industrial waste, and municipal waste from business activities.

SINCERE Shinagawa R・C Center

Situated in Shinagawa-ku, Tokyo, the Shinagawa R・C Center is an urban waste processing facility capable of the incineration, melting, and final disposal of waste.

The Center was one of the first facilities in Japan to feature melting facilities capable of melting incineration bottom ash (IBA) at high temperatures, and turning it into molten slag; this allows the IBA to be converted into recycled construction materials, instead of being sent to landfill as was usually the case.



SINCERE Yokohama R・C Center

The Yokohama R・C Center is an incineration facility located in Kanazawa Ward, Yokohama. Conforming to the latest environmental regulations, the Center is capable of properly processing a variety of industrial waste. It is also capable of converting waste heat generated during the incineration process to electricity, with any surplus electricity being sold.



SINCERE Shinagawa Recycle Center

The Shinagawa Recycle Center specializes in recycling ICT equipment and other unwanted items or waste, with the aim of maximizing resource recovery. Unwanted items have metals and other recyclable components removed as much as possible. Then they are disassembled, sorted, crushed, and compacted; the majority of items are recycled for use in new products. In addition, we have sales routes for a great range of different metal scrap, so we also buy scrap items.



Group Plants	Treatment Methods and Capacities
SINCERE Shinagawa R・C Center	Incinerator type: Kiln-stoker furnace Incineration capacity: 130 t/day (65 t/day x 2 incinerators) Melting furnace type: Rotating surface melting furnace Melting capacity: 50 t/day (25 t/day x 2 furnaces) Generator type: Steam turbine generator Generation capacity: 990 kW x 1 unit
SINCERE Yokohama R・C Center	Incinerator type: Kiln-stoker furnace Incineration capacity: 372 t/day (186 t/day x 2 incinerators) Generator type: Steam turbine generator Generation capacity: 6,000 kW x 1 unit Crushing capacity: 80 t/day x 1 unit, 9.6 t/day (4.8 t/day x 2 units) Cutting capacity: 11 t/day x 1 unit Separation capacity: 22.16 t/day x 1 unit
SINCERE Shinagawa Recycle Center	Crushing capacity: 4.8 t/day x 1 unit, 16,000 items/day x 1 unit Compression capacity: 42.2 t/day x 1 unit Cutting capacity: 13.8 t/day x 1 unit

Environmental Infrastructure and Building Maintenance Business

Our support for environmental improvements covers everything from cleaning and maintenance and repairs, to waste processing and recycling. In this way, we help to create and maintain comfortable working environments for our customers, and enable them to continue their business activities in a stable manner. We offer all manner of services, including everyday cleaning, maintenance, and repairs to floors and plumbing; management of plants, trees, and other green spaces; and deep cleaning of chairs, carpets, and other furnishings. We also possess the expertise and experience required for cleaning cleanrooms. Our trustworthy network of regional centers across Japan serve as operational hubs to deliver our wide-ranging services.



Consulting Business

We offer a one-stop solution to our customers’ requests. We provide comprehensive support to reduce customer risks, costs, and waste management tasks, covering everything from cleaning and maintenance of offices and plants to the handling of waste and unwanted items. In addition to our own facilities, our backbone is our nationwide network, with which we can provide total solution services related to environmental work while working to reduce environmental impact and maximizing recycling.

Branch Locations

Shinagawa Branch

3-2-10 Yashio, Shinagawa-ku, Tokyo, Japan 140-0003

Tel: 03-3799-5430 Fax: 03-3799-5305

SINCERE Shinagawa R・C Center

3-2-11 Yashio, Shinagawa-ku, Tokyo, Japan 140-0003

Tel: 03-3799-5374 Fax: 03-3799-5375

SINCERE Shinagawa Recycle Center

3-2-10 Yashio, Shinagawa-ku, Tokyo, Japan 140-0003

Tel: 03-3799-5357 Fax: 03-3799-5307

Yokohama Branch

SINCERE Yokohama R・C Center

1-10-4 Sachiura, Kanazawa-ku, Yokohama-shi,

Kanagawa, Japan 236-0003

Tel: 045-770-5333 Fax: 045-770-5343

Regional Centers

29 Regional Centers Across Japan (as of March 31, 2024)



A Rotary Kiln at SINCERE Yokohama R・C Center

Permit Acquisition Status

Industrial Waste Disposal Service

Tokyo Metropolitan Government: Permit No. 1320003072

Permitted Items: Cinders, Sludge, Waste Grease, Waste Acid, Waste Alkali, Waste Plastics, Paper Waste, Wood Waste, Animal and Plant Remains, Solid Animal Waste, Metal Scrap, Glass Scrap, Concrete Waste, Ceramic Waste, Dust, and Waste as Defined by “Article 2-13” of the Act on Waste Management and Public Cleansing

Yokohama City: Permit No. 05620003072

Permitted Items: Cinders, Sludge, Waste Grease, Waste Acid, Waste Alkali, Waste Plastics, Paper Waste, Wood Waste, Fiber Waste, Animal and Plant Remains, Solid Animal Waste, Rubber Scrap, Metal Scrap, Glass Scrap, Concrete Waste, Ceramic Waste, and Dust

Specially Controlled Industrial Waste Disposal Service

Tokyo Metropolitan Government: Permit No. 1370003072

Permitted Items: Waste Grease, Waste Acid, Waste Alkali, Infectious Medical Waste, Cinders, Sludge, and Dust

Yokohama City: Permit No. 05670003072

Permitted Items: Waste Grease and Infectious Medical Waste

Industrial Waste Collection and Transportation Service

31 Prefectures

Specially Controlled Industrial Waste Collection and Transportation Service

25 Prefectures

Municipal Waste Disposal Service

Shinagawa City: Permit No. 1223

Municipal Waste Collection and Transportation Service

Three Municipalities

Secondhand Goods Dealer

Tokyo Metropolitan Public Safety Commission: Permit No. 301139803729

Special Construction Business

Tokyo Governor License: No. (Toku-4) 115360

Scaffolding and Earthwork Business, and Painting Business

Tokyo Governor License: No. (Toku-5) 115360

Demolition Contractor

Class I Fluorocarbon Filling and Recovery Operator Registration

Chiba Prefecture: Permit No. 12A132078
Ibaraki Prefecture: Permit No. 11380
Tochigi Prefecture: Permit No. 1-864
Gunma Prefecture: Permit No. 100989
Saitama Prefecture: Saitama Prefectural Governor Permit No. 19130712
Tokyo Metropolitan Government: Permit No. 13103272
Kanagawa Prefecture: Permit No. 神 (気水) 1-1666
Yamanashi Prefecture: Permit No. 1440
Nagano Prefecture: Permit No. 2010566
Shizuoka Prefecture: Permit No. 101148



SHINNIHON KAIHATSU Co., Ltd.

www.eco-snk.jp



rbn.jp

株式会社 アールビーエヌ

RBN Co., Ltd.



Overview of Group Companies

Company Name:
SHINNIHON KAIHATSU Co., Ltd.

Headquarters:
3059-2 Nakashima, Shikama-ku,
Himeji-shi, Hyogo, Japan 672-8035
Tel: 079-234-5005 Fax: 079-235-9111

Established:
December 1972

Business:
○Industrial Waste Processing
○Recycling and Energy Creation
○Industrial Waste Collection and Transportation
○Analysis and Consulting

Capital:
12 million yen

Representative Director and CEO:
Keiji Yoshida

Company Name:
RBN Co., Ltd.

Headquarters:
3059-20 Nakashima, Shikama-ku,
Himeji-shi, Hyogo, Japan 672-8035
Tel: 079-243-1200 Fax: 079-243-1202

Established:
August 1999

Business:
○Recycling Household Appliances

Capital:
300 million yen

Representative Director and CEO:
Keiji Yoshida

Business Overview

Recycling and Waste Disposal

◎Industrial Waste Processing (SHINNIHON KAIHATSU)

Since its establishment in 1972, SHINNIHON KAIHATSU has carried out the intermediate processing of industrial waste, specially controlled industrial waste, and municipal waste using a combination of incineration, mixing, crushing, and oil-water separation processes. We own five furnaces, which have a combined processing capacity of approximately 400 t per day. The waste we collect is first mixed and adjusted before being deposited into our incinerators, enabling us to specialize in processing waste that cannot easily be processed by standard methods. Our newest Furnace No.5 has received certification as a “heat recovery facility.”

Furnace No.1	Incinerator Type Rotary kiln-stoker furnace Incineration Capacity 72 t/day	Furnace No.4	Incinerator Type Rotary kiln-stoker furnace Incineration Capacity 93.6 t/day, with heat recovery Power Output 270 kW (turbine output of 520 kW)
Furnace No.2	Incinerator Type Rotary kiln-stoker furnace Incineration Capacity 72 t/day, with heat recovery	Furnace No.5	Incinerator Type Special step grate stoker furnace Incineration Capacity 93.6 t/day Heat Recovery Ratio 22.4 % Power Output 1,900 kW
Furnace No.3	Incinerator Type Multiple hearth furnace Incineration Capacity 72 t/day		

◎Recycling and Energy Creation (SHINNIHON KAIHATSU)

Recycling Waste for Use in Cement

The waste products we accept go through a mixing process in addition to the incineration process, recycling them into raw materials and fuel for cement. Utilizing the expertise we have accumulated over many years, we ensure our mixing processes conform to the relevant standards for cement raw materials and fuel so are used as such by cement companies. We also recycle the burnt ash generated by our incineration facilities into raw materials and fuel for cement.

Heat Recovery and Power Generation

The waste heat from our incineration process is used to turn steam turbines and generate electricity in a process known as “thermal recycling.” This is the same process as used at thermal power plants but, since our turbines are powered by waste heat, our thermal recycling helps to reduce greenhouse gas emissions. Indeed, our Furnace No.5 is capable of generating 1,900 kW of electricity through waste heat alone. The power generation capabilities of our furnaces allows us to be grid-independent—meaning that we do not depend on commercial power supplies for our electricity needs. As such, we can continue to receive and process waste even during power outages in times of disaster and other emergencies.

◎Industrial Waste Collection and Transportation (SHINNIHON KAIHATSU)

Our fleet of 16 vehicles—including tank trucks, dump trucks, wing-body trucks, and full-trailer trucks—allows us to collect and transport waste according to the properties of the waste and the needs of our customers. During our collection and transportation activities, not only do we conform to all relevant laws and regulations, we also promote anti-idling and other eco-driving measures. Our own collection and transportation services cover 16 prefectures, centered around the Kansai region. However, we also utilize a wider network of partners to propose optimal solutions for waste transportation and processing to our customers in other regions.

◎Household Appliance Recycling (RBN)

We have received approval as a recycling business for products manufactured by Group B companies, according to the Act on Recycling of Specified Home Appliances that came into force in 2001. We use a combination of crushing and sorting processes to recover and recycle iron, aluminum, copper, and other resources from four types of household appliances: air conditioners, televisions, refrigerators, and washing machines. We receive a total of 800,000 units of waste household appliances per year, and we recover and forward more than 90% of these appliances as recyclable materials.



Consulting Business (SHINNIHON KAIHATSU)

We offer one-stop solutions to the waste problems faced by our customers. We collect waste samples from our customers, subject them to scientific analysis, and identify the risks to and impacts on our customers’ facilities during processing; based on the results of the above, our analysis, sales, and processing specialists work together to formulate safe and optimal processing methods for our customers.

Branch Locations

SHINNIHON KAIHATSU Headquarters Plant

3059-2 Nakashima, Shikama-ku,

Himeji-shi, Hyogo, Japan 672-8035

Tel: 079-234-5005 Fax: 079-235-9111

SHINNIHON KAIHATSU Ako Plant

1513 Nakamizuo, Aza, Orikata, Ako-shi, Hyogo,

Japan 678-0254

(located inside Sumitomo Osaka Cement Co., Ltd. Ako Plant)

Tel: 0791-45-0531 Fax: 0791-45-0531

RBN

3059-20 Nakashima, Shikama-ku,

Himeji-shi, Hyogo, Japan 672-8035

Tel: 079-243-1200 Fax: 079-243-1202



Permit Acquisition Status

SHINNIHON KAIHATSU

Industrial Waste Disposal Service	Himeji City: Permit No. 07021005542 Permitted Items: Sludge, Waste Grease, Waste Acid, Waste Alkali, Waste Plastics, Paper Waste, Wood Waste, Fiber Waste, Animal and Plant Remains, Rubber Scrap, Metal Scrap, Glass Scrap, Concrete Waste, Ceramic Waste, Animal Bodies, and Waste as Defined by “Article 2-13” of the Act on Waste Management and Public Cleansing
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Specially Controlled Industrial Waste Disposal Service	Himeji City: Permit No. 07071005542 Permitted Items: Waste Grease, Waste Acid, Waste Alkali, and Infectious Medical Waste
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Industrial Waste Collection and Transportation Service	16 Prefectures
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Specially Controlled Industrial Waste Collection and Transportation Service	12 Prefectures
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Municipal Waste Management Business	Himeji City: Permit No. 19
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Municipal Waste Collection and Transportation Service	Aioi City: Permit No. 5 Shiso City: Permit No. Shiso City Kankei 03000016
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Fluorocarbons Destruction Operator	30H0080
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RBN

Industrial Waste Management Business	Himeji City: Permit No. 7021075482 Permitted Items: Waste Plastics, Paper Waste, Wood Waste, Fiber Waste, Metal Scrap, Glass Scrap, Concrete Waste, and Ceramic Waste
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Municipal Waste Management Business	Himeji City: Permit No. 36
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Class I Fluorocarbon Filling and Recovery Operator	Hyogo Prefecture: Permit No. 2810 60125
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HARITA Co., Ltd.

www.harita.co.jp



Company Overview

Company Name:
HARITA Co., Ltd.

Headquarters:
1053-1 Honryo, Fukuokamachi,
Takaoka-shi, Toyama, Japan 939-0135
Tel: 0766-64-3516 Fax: 0766-64-3046

Established:
August 1975

Business:
○Recycling Metals
○Industrial Waste Processing
○Recycling Household Appliances, etc.

Capital:
50 million yen

Representative Director and CEO:
Makoto Harita

Business Overview

Recycling and Waste Disposal

◎Recycling

Recycling Small Household Appliances

We are a government-certified business under the Act on Promotion of Recycling of Small Waste Electrical and Electronic Equipment. We recover ferrous and non-ferrous metals, rare metals, and plastics from small household appliances, and recycle them into high-quality raw material substitutes.

Recycling Household Appliances

We have received ministerial approval as a recycling business for products manufactured by Group A companies as defined by the Act on Recycling of Specified Kinds of Home Appliances, which took effect in April 2001. We recover resources from air conditioners, televisions, refrigerators, and washing machines, and recycle them into materials for use in new household appliances.

Recycling Metals

We recover and recycle ferrous and non-ferrous metals, including aluminum, copper, and stainless steel, as well as precious and rare metals. We use our vast experience and the latest technologies to carefully carry out high-quality sorting. We ensure metal scraps are given a new lease of life as high-quality metal resources, and thereby contribute to the creation of a circular society.

Recycling ASR

ASR stands for “automotive shredder residue,” and refers to the residue that remains after end-of-life automobiles have been disassembled, crushed, and sorted. Using vertical crusher and sorting lines to reduce the size of ASR, we recover metals and plastics that can be converted into fuel; our water-based specific gravity sorting machines then recover plastics that can be recycled into new plastics.

Recycling Used Paper

Recovery rates, consumption rates, and quality levels for recycled paper continue to increase. We contribute to paper recycling through our recovery and sorting processes.

Recycling Waste Wood

Our facilities are capable of recycling waste wood generated by the construction industry. We also effectively use this waste wood as a fuel alternative to fossil fuels.

Recycling Motorcycles

We are a Designated Collection Location and Designated Recycling Organization for end-of-life motorcycles; our unique processing lines enable us to carry out profitable sorting and resource recycling with greater efficiency.

Recycling Solar Panels

The use of solar panels is becoming increasingly widespread, and quantities of solar panel waste are expected to grow accordingly. For this reason, we have developed recycling technologies capable of handling vast quantities of solar panel waste.

◎Waste Management

Industrial Waste

We carry out the proper collection, transportation, intermediate processing, and recycling of waste that is generated through everyday and irregular business activities. We also continually propose optimal processing methods in response to various requests from our customers.

Municipal Waste

We are permitted and subcontracted by municipalities to collect, transport, and dispose of municipal waste; through these activities, we contribute to the recycling and reduction of waste, and to environmental conservation in local communities.

Fluorocarbon Recovery

Before industrial air conditioners, refrigerators, freezers, and other products using fluorocarbons can be disposed of as waste, the fluorocarbons they contain must be recovered. We are a registered Class I Fluorocarbon Filling and Recovery Operator, and recover fluorocarbons in the proper manner.

List of Facilities:
■Shredders: 845 HP, 1,500 HP, 2,000 HP ■Pre-shredders: 700 HP×2 units
■Compactors: 550 HP×2 units ■Insulation fluorocarbon recovery machine: 1 unit
■Guillotines: 1,250V/1,000t ■Heavy liquid sink-float separator: 1 unit
■Jig-type wet separator: 1 unit ■Water specific gravity separator: 1 unit
■Color sorter: 1 unit ■Press: 102 HP×2 units ■Magnum Cutter: 1 unit

Consulting Business

◎Waste Solutions

We properly evaluate the processing methods carried out by our customers both for waste and for valuable resources, and propose optimal processing methods at optimal prices. While sorting waste and resources is important, sorting alone is not enough. We evaluate the volumes of waste and resources generated by our customers, as well as the locations in which they are stored, and we help them reduce and streamline their on-site and administrative workloads. Using our diverse fleet of vehicles, we also propose collection methods that are optimized for our customers.

Branch Locations

Headquarters

1053-1 Honryo, Fukuokamachi,
Takaoka-shi, Toyama, Japan 939-0135
Tel: 0766-64-3516 Fax: 0766-64-3046

Imizu Recycle Center

34-11 Shinbori, Imizu-shi, Toyama, Japan 934-0035
Tel: 0766-86-4811 Fax: 0766-86-4812

Kanazawa Branch

524-1 Fukudomemachi,
Hakusan-shi, Ishikawa, Japan 924-0051
Tel: 076-277-3993 Fax: 076-277-2189

Toyama Branch

2-9-20 Mori, Toyama-shi, Toyama, Japan 931-8332
Tel: 076-426-0330 Fax: 076-426-0331



Permit Acquisition Status

Industrial Waste Disposal Service	Toyama Prefecture: Permit No. 01622000671 Permitted Items: Waste Plastics, Paper Waste, Wood Waste, Fiber Waste, Metal Scrap, Glass Scrap, Concrete Waste, Ceramic Waste, and Debris Ishikawa Prefecture: Permit No. 01728000671 Permitted Items: Waste Plastics, Paper Waste, Wood Waste, Fiber Waste, Metal Scrap, Glass Scrap, Concrete Waste, and Ceramic Waste
Industrial Waste Collection and Transportation Service	Nine Prefectures
Specially Controlled Industrial Waste Collection and Transportation Service	Five Prefectures
Vehicles Licensed For Industrial Waste Collection and Transportation	85 Vehicles
Municipal Waste Disposal Service	Two Municipalities
Municipal Waste Collection and Transportation Service	Five Municipalities
Permission for Municipal Waste Management Facilities	Two Prefectures, Three Municipalities
Automobile Recycling License Shredding and Sorting Operations	Toyama Prefecture: Permit No. 20166000151
Class I Fluorocarbon Filling and Recovery Operator Registration	Toyama Prefecture: Registration No. 161A000201 Ishikawa Prefecture: Registration No. 17A20010
Waste Recycling Business Operator Registration	Toyama Prefecture Ishikawa Prefecture
Recycled Resource Business Operator Registration	Hakusan City: Registration No. 802
Waste Metals Sales License	Gifu Prefecture Public Safety Commission: Permit No. 531230031