

# DO YOU KYOTO? A campaign for COP24 in Poland



I'm Eco-chan ♡

## DO YOU KYOTO? A campaign in Japan for COP24 in Poland

- Environmental Education for elementary and junior high school students including making posters of DO YOU KYOTO?
- Creating Eco-chan NEBUTA with Kyoto citizens
- DO YOU KYOTO? Concert in Kyoto and Tokyo
- Making movies to introduce the campaign



### What is DO YOU KYOTO?

Kyoto is the city where the Kyoto Protocol was adopted during the COP3 meeting.

DO YOU KYOTO? means “Are you doing something good for the environment?”

Kyoto city has a “DO YOU KYOTO day” every month. On that day, we try to use public transportation and turn off outdoor lightings.

### Kyoto Declaration

In 2017, the Kyoto Declaration was presented, commemorating the 20<sup>th</sup> anniversary of the Kyoto Protocol. The Kyoto Declaration states a vision of cities around the world in 2050 and aims to cultivate a culture of sustainable cities.

## Environmental Education – Using posters to communicate the idea of “DO YOU KYOTO?”

Using visual arts (posters) as a tool for environmental education, we asked students from three different schools in and around Kyoto to participate in a DO YOU KYOTO project. Students have a very good understanding of environmental issues in Japan but rarely get the opportunity to express their opinions and ideas. The posters showcase smart and creative ways about how to bring a DO YOU KYOTO mindset into our everyday lives.

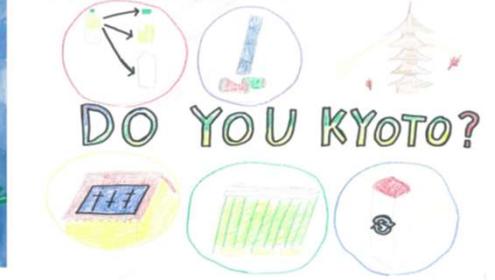
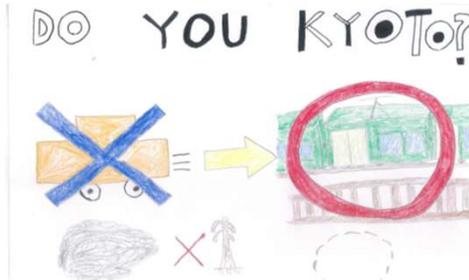
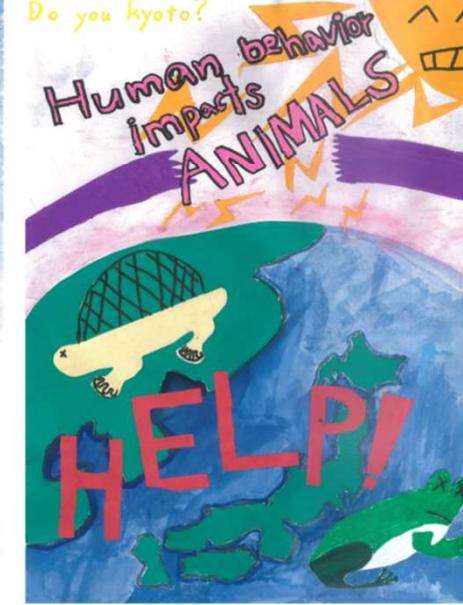
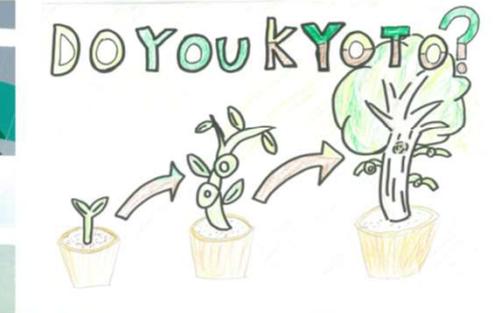
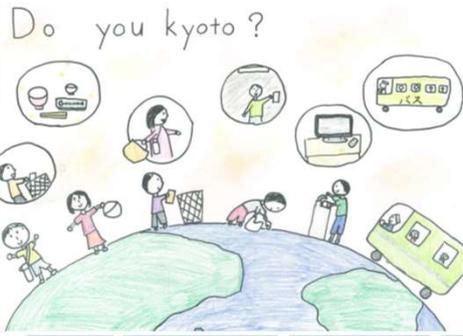


Thank you for your cooperation from Umekoji elementary school, Ohara Gakuin junior high school and Anshu elementary school ♡



The posters below have been created by children in several schools in and around Kyoto. The posters communicate the meaning and mission of "DO YOU KYOTO?" to the world.





**Ecological words which have special meanings in Kyoto**

**Shimatsu suru (始末する)**  
Using not too much. Treat things with care. Being frugal. Not cleaning and being stingy.

**Uchi mizu (打ち水)**  
Sprinkling water after cleaning garden and nearby roads. This makes temperature down, so we often do this in summer.

# Creating NEBUTA with Kyoto citizens ~Let's send your heart to COP24 in Poland~

Students from Kyoto University and Kyoto University of Art and Design cooperated on the "Eco-chan NEBUTA" project. This project aimed to let Kyoto Citizens join "DO YOU KYOTO?" campaign and send their heart to COP24 Poland. NEBUTA was made by the tip of fingers of people who cooperated this work of art. That means each person's feeling was put into this NEBUTA. Here are some pictures about showing how Kyoto citizens joined this project through pasting washi (Japanese paper).



Kyoto City's eco-friendly mascot character "Eco-chan"

## What is NEBUTA?

NEBUTA is a large Japanese molding made of hosho-paper, wood and wire. By illuminating the light from inside, the paper is illuminated and the nebuta shines.



Organizers: Surprised! Eco executive committee, Eko Cykl Packaging Recovery Organisation Inc., Ecole de Kyodai, Kyoto University GSGES, Kyoto University of Art & Design, etc.  
 Sponsors: Hulic Co., Ltd. / Japan Tobacco Inc. / Japan Tobacco International, etc.

### Ecole de Kyodai

Composed mainly of volunteer students and faculty, through projects open to everyone, École de Kyodai aims to improve environmental awareness and realize a "sustainable campus".

#### Part of our recent projects

- ◆ Workshop about food policy "Food and Sustainability" symposium
- ◆ Making canned Blue seafood curry
- ◆ Local tourism project at SABAE
- ◆ Kistory
- ◆ SDGs education projects at new shopping mall in Kyoto



### Transparent trashbin

#### By Kyoto University of Art & Design

At the school festival of Kyoto University of Art and Design, a "transparent trashcan" was made to encourage visitors to separate trash thoroughly.

You can easily see what is in this trashcan, so this prevents visitors from throwing trash without separating them.



Transparent trashbin→

## Participants List

Takashi IKARI  
Anchor Network  
Service,Inc.



Hanako YASUDA  
Anchor Network  
Service,Inc.



Hiroko SHIMA  
DAIWA LEASE CO.,LTD



Yasuyuki NAKAGUCHI  
G.T.center



Mieko NAKAGUCHI  
G.T.center



Akiko ONO  
Hachioh,Inc.



Yusuke OKADA  
Japan Tobacco Inc.  
International Affairs,  
Corporate and  
Regulatory Affairs  
Division Vice President



Toshio MITSUMOTO  
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Relation Development  
Dept., Kita-Kansai Area  
Sales Headquarters  
General Manager



Vlad OLTEANU  
JTI B.V. Belgian Branch  
EU Affairs Management  
Director



Agata KWIEK  
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Corporate Affairs &  
Communications  
Manager



Soichiro SOMEKAWA  
Ricoh Japan Co.  
Corporate Advisor,  
Infrastructure  
Solution Division



Ryuji IWASAKI  
WAKO GIKEN CO.,LTD.



## Participants List

Akihiko YASUDA

YASUDA SANGYOU  
GROUP  
Head Quoter Director



Tsunehiro TANAKA

YASUDA SANGYOU  
GROUP  
Head Quoter  
Assistant Director



Takeshi SHIMOTSUMA

City of Kyoto  
Environment Policy  
Bureau  
Supervising Director of  
Global  
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Hiroto INOUE

City of Kyoto  
Environment Policy  
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Misuzu ASARI

Kyoto University GSGES  
Associate Professor



Baars, ROGER CROUD

Kyoto University GSGES  
Lecturer



Megu TSUCHIMURA

Kyoto University GSGES  
M2



Makiho OKUNO

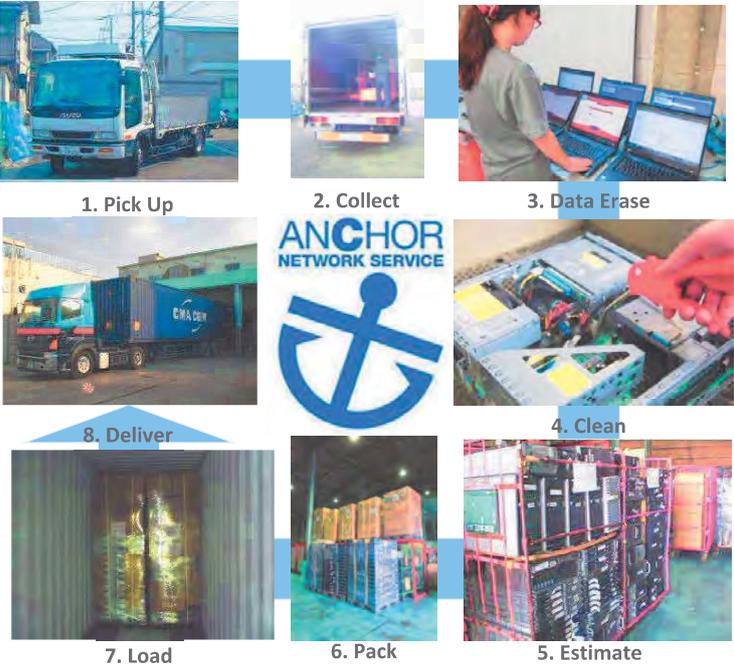
Kyoto University  
Faculty of Agriculture  
B1



Takuma MIYOSHI

Kyoto University of Art  
and Design B2





## Company profile

- Company Executive : Takashi Ikari
- Business Founded : May 18, 1993
- Number of Employees : Around 150
- Annual Revenue : JP\ 2.5 billion

■Core Business  
Reuse and Recycle of retired IT assets  
ITAD services provider (Collection, Data Eradication, Test, Resale)

- Partners
- Yaskawa Information Kyushu Co., Ltd.
  - IBJL-TOSHIBA Leasing Co., Ltd.
  - TOYOTSU SYSCOM CORPORATION (TOYOTA Group)
  - SoftBank Commerce & Service Corp.
  - Arrow Value Recovery (USA)
  - AER Worldwide (USA)
  - SIMS Recycling (U.K)

■Handling Items  
Computer, Server, TFT monitor, Router, HUB, Measuring instrument, Printer, Plotter, Projector, MFP, Office furniture, Machine tool

- Certification
- ISO9001 (July 2002)
  - ISO14001 (December 1999)
  - ISO27001 (August 2008)
  - Privacy mark (January 2013)
  - OHSAS18001 (June 2016)
  - R2 (June 2016)
  - RITEA certified



## Business policy

### Management philosophy

**Everybody and Everything Live and Exist Together**

### Benefits from our Services

#### 1. ENVIRONMENT PROTECTION

We can reduce exhaustion of CO2 gas by reusing IT assets instead of choosing NEW products.

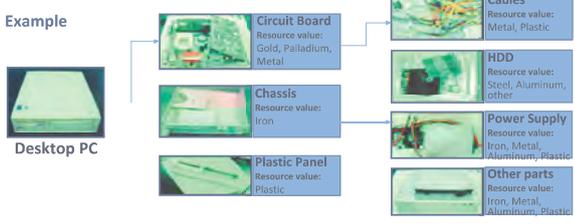
The amount of CO2 exhaustion we can reduce by reusing  
Server : 172kg – CO2 / unit Laptop : 79kg – CO2 / unit Desktop : 115kg – CO2 / unit  
\*The number is based on the research by RITEA (Reuse/Recycle Information Technology Equipment Association)

#### 2. SECURITY

Clients can minimize the risk of data leakage, and enhance their compliance management.  
We perform Data eradication as soon after we receive assets from clients.

#### 3. MATERIAL RECYCLE

We can recycle materials a hundred percent and resale as raw materials like gold, silver, iron etc.



## E-waste recycling based on R2

R2 (Responsible and Recycling) is a global standard certification for reuse recycling electronics. It indicates proper data erasing, exporting, processing and decomposing. R2 is a business standard which is provided by SERI (Sustainable Electronics Recycling International) organization.  
**We've become the first R2 certified Japanese origin company.**

### Features of R2

#### Responsible management strategy hierarchy



When processing used electric and electronic equipment, reuse as much as possible (reuse resale) is given top priority, and in case it is difficult, we will recycle raw materials after dismantling and sorting. In principle, it is policy not to conduct thermal energy recovery / landfill disposal by incineration (= no processing that will put load on the environment) unless there is no executable reuse or recycle option.



# CSR support service

## OUR SUPPORTING SERVICE

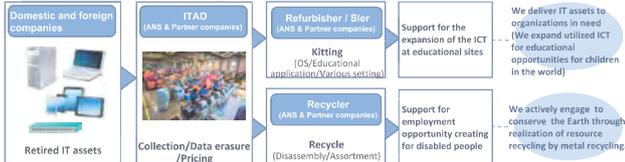
The CSR (corporate social responsibility) supporting service neither means companies' disposal of IT assets nor resale activity. It is a program to support rising nations with people in need, education as well as communities which seek for helping hands. It also provides job opportunities to people with disability as they are engaged with dismantling retired IT assets. It promotes beautiful and sustainable earth and help children in the next generation understand the importance of recycling activity to lessen the burden on earth. Companies are able to strengthen their brand value as they support these five programs below

### CSR SUPPORTING SERVICE PROGRAMS

1 Hire people with disability	2 Encourage unemployed youth	3 Support primary and secondary education in rising nations	4 Support disaster areas	5 Support NGO's and NGO's social contribution activities in Japan and overseas

## OUR PROPOSAL FOR CSR PROGRAM

Corporates need to hire marginalized people and educate our next generation on importance of recycling that these may lead the way to solve disparity and human right issues.



As same as we do welfare facilities collaborations, also cooperate with some special subsidiary companies. In there, we share our technical skills of cleaning and decomposing method for their workers.

\*Special Subsidiary company = this may be a Japanese original rule that is the company which satisfied some right employment rate typically large investment companies have to concern the marginalized people's occupational support.

公益社団法人やどかりの星博

- ①リサイクルの解体作業
- ②再生PCの販売



PCクリーニング作業の研修の様子

特例子会社様①

特例子会社様②

特例子会社様③



ノートPC解体作業の研修の様子



PCクリーニング作業の研修の様子

In my feeling, working on the society in our life is a fundamental wish for all the people commonsense, and it's of course every marginalized people too.

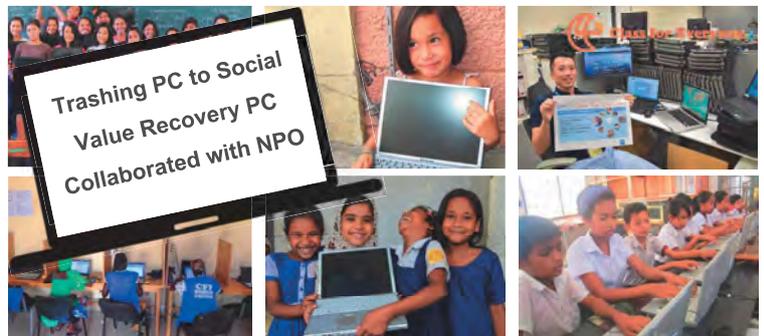
Mainichi Newspaper  
8 Feb 2016



Please briefly ask our stuff for more information.



Reuse Promotion Department  
kaigai@anchor-net.co.jp  
10~17 (Mon~Fri※P.H Exclude)



Your PC before wasting to the material garbage...

「We are coordinators between Needless to Need!」



- ① Delivering Needless PC to data security control building of Anchor Network Service Inc.(Anchor).
- ② Anchor does completely deleting all customers database with sophisticated technical function using data erasing software tools. Anchor makes certificate s data erased evidence as well.
- ③ From Anchor to Class for Everyone(C4E) NPO, Cleaned PC are delivered as for a donation program to other local NGO and some of Educational Organizations.
- ④ After around a month arrived PC to target organization, C4E makes a report to former PC 's sending companies.





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To Whom it May Concern:

My name is Yasuyuki Nakaguchi and I am currently working with  
I have had a chance to study the declining global environment through Professor Asari's seminar  
of 3R on sustainability at Kyoto University .

Living near Arashiyama in Kyoto City, which is a popular sight-seeing spot for tourists, I can  
see first hand the effects of "Overtourism" and how the global increase of tourism at these  
kinds of locations contribute to an overwhelming increase of waste, noise, traffic, and air  
pollution.

Due to the environment concerns from the influx of travellers, the lives of the local people,  
as well as the global population, are negatively impacted.

Through the seminar, I have learned what can be done to potentially lessen the impact.

I would be happy if I can assist in reducing the environmental damage by decreasing waste output,  
lowering global warming gas emissions, and looking to greener energy sources.

I believe that we must first change our habits in order to start improving the global conditions.

As mentioned in the COP24 UN Global Warming Prevention Treaty (Convention on Climate change),  
creating a low carbon society is a goal in which we must achieve a high quality of life along  
with a reduction in carbon dioxide emissions at the same time.

I would greatly appreciate the chance to participate.



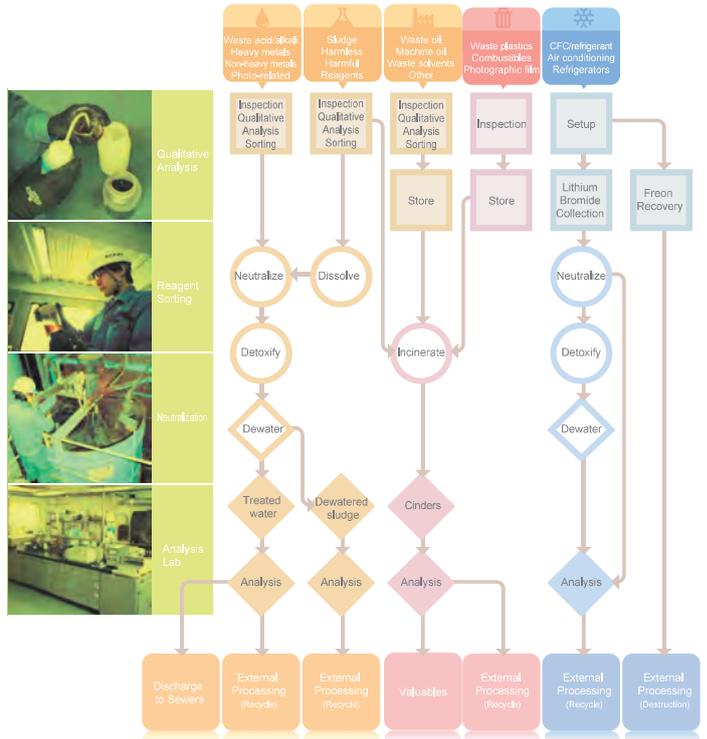
## Hachioh Co., Ltd. Company Guide

Hachioh CRMS  
Proper Disposal of Chemical Waste  
Treatment & Recycling of Waste  
Recovery & Destruction of Freon

Co., Ltd. ハチオウ

## Hachioh Waste Treatment Flow

Hachioh is one of the few waste treatment companies in Tokyo that can undertake the treatment of multiple types and difficult to process chemical waste.



## Treatment & Recycling of Waste

Feel free to contact us about all your waste needs—whether for recovering resources from different kinds of waste or for proper disposal of hazardous or high-risk waste.

We can handle a wide variety of waste—from waste reagents to large and bulky garbage. Whatever the nature of your waste, your options expand, whether for proper disposal and/or recycling, by leveraging our network around the country.

Hachioh has the permits necessary for collecting and transporting specially controlled industrial waste, so in addition to normal waste, we can get rid of your hazardous or contaminated waste for you.

### Waste we Treat

- Waste acid or alkali
- Solvents, solutions, waste oil, machine oil
- Paints, pesticides, herbicides, insecticides
- Infectious waste
- Waste plastics, wood waste, scrap metal, glass, concrete and ceramic waste
- Sludge, cinders, fly ash, slag, rubble
- Plant and animal-based leftovers
- Asbestos and contaminated equipment
- Waste falling under category 13 (Other)

At Hachioh, we can handle other things together, too!

- Waste reagents and chemicals
- Developer and fixer solutions
- Flammable organic solvents
- Plant liquid and plating wastes
- Refrigeration oil
- RPF (solid fuel)
- Chlorinated or hydrated liquid waste
- Mixed waste (bulky waste, e.g.)
- Wet & dry batteries
- Fluorescent lights
- Computers and OA equipment
- Chemical encrusted equipment and contaminated items
- Sludge recycling
- Experiment and analysis liquid wastes

Hachioh Co., Ltd.

## Treatment & Recycling of Waste

### Removal of Waste

#### Relocation or Closing of Plants

A variety of chemical substances can be encrusted on exhaust gas cleaning equipment (local exhaust ventilation) or on piping contaminated with drugs. For example, various chemical solutions are used in the plating process, such as chrome, or alkali for degreasing. And since contaminants remain in lines and pieces of equipment, they cannot be easily disposed of. The work has to be performed under a safe work plan. Leave all the work to Hachioh, from processing chemicals and chemical solutions to removing contaminants to cleaning and removing machinery and equipment.

- 1 Pre-cleanup
- 2 Extracting chemicals and cleaning



- 3 Separating materials
- 4 After disassembly, project complete



#### We can Help Relocate or Close a Plant or Facility

- Advice on environmental and waste management laws
- Apply for required permits
- Dispatch staff

#### Removal of Rubble Containing Hazardous Materials

If an intended building site is a brown site, hazardous materials may be buried on the site. We can help develop a removal plan for waste such as selenium or cadmium-based pigments or asbestos slate shards and rubble, so work on the construction site can be done as quickly as possible.

### Recycling from Waste

#### Recycling Used Ink Generated in Printing Processes

Used ink can be recycled. Used ink from a printing company and industrial waste such as cleaning oils, can be 100% reborn as a secondary fuel for co-firing cement. Of course this manufacturing process is safe and does not generate secondary pollution.

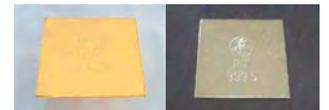


#### Recovery of Precious Metals Including from Waste Liquids

The precious metal component can be recovered from liquid wastes that contain them. Of course Hachioh can dispose of waste liquids properly, but we can also recycle and recover precious metals from them. We also purchase this waste, when the concentration of precious metal and the volume justify it.



Refining Equipment



Pure Gold Bullion

Pure Platinum Bullion

### Here is the Hachioh Difference!

- **Many Kinds of Waste & Many Kinds of Waste Disposal Companies**  
Even though lump it together with the one word "waste," in reality there are many different kinds of waste—waste plastic, wood chips, waste paper, glass waste, sludge, waste oil, medical waste, not to mention construction waste and chemical wastes. And the waste disposal companies that handle these different kinds all have types of waste they specialize in.
- **Hachioh Provides the Best Mix for your Waste**  
Leveraging its own facilities and its network of waste disposal companies, Hachioh provides its customers with the Best Mix of waste options to choose from—proper disposal and/or recycling.



# Proper Disposal of Chemical Waste

Please contact us about any experimental liquid waste, however small the amount of chemicals.

There are said to be tens of thousands of kinds of reagents and chemicals circulating just in the manufacturing industry. From all these, there is no such thing as a small amount of hazardous or high-risk substances. Liquid waste from experiments and analyses may contain harmful components, such as mercury, cadmium, lead, arsenic or cyan. Hachioh treats each reagent, chemical or liquid waste differently depending on its constituent components or chemical properties.

## Waste we Treat

- Reagents and chemicals
- Pharmaceuticals and diagnostic drugs
- Liquid waste from experiments, analyses or tests
- Chemical encrusted equipment and contaminated items
- Photography-related liquid waste
- Industrial liquid waste

Hachioh Co., Ltd.

## Proper Disposal of Chemical Waste

### Disposal of Reagents and Chemicals

As time passes, the risk increases of container deterioration or damage worsening, as well as losing track of what was in them, so unneeded reagents and chemicals need to be disposed of as soon as possible. Similarly, the chemical properties and level of hazard of chemicals and reagents varies greatly so handling them is no simple matter. Once we hear from you about your liquid waste problems, our professional staff will take you through each required step, from listing up your liquid waste chemicals, to categorizing and packing them, all the way to disposal and treatment.



### Dispose of industrial drugs

Substances with a wide range of chemical properties are distributed and used throughout industry in the manufacture and sales of products, such as industrial drugs, raw materials, cleaning agents and agrochemicals. We assess the constituent components and their chemical properties from product names and their SDS, and then treat them safely according to their chemical properties.

### Treat Liquid Waste

Liquid waste from analysis and experiments manufacturing and photography industry

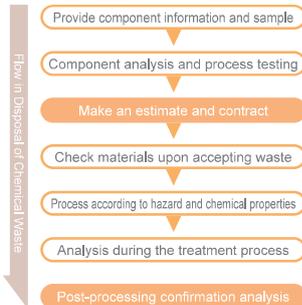
Information about the constituent components is indispensable to processing the liquid waste that results from a variety of experimental and manufacturing processes.

The amount and type of liquid waste varies with each factory and production process, and even though the amount is small, some liquid wastes can have an outside impact on the environment.

It is also forbidden by law to discharge liquid waste somewhere, such as a sewer, without going through the abatement process. Furthermore, businesses that generate waste are required by law to disclose the makeup of waste to the waste processing company. That said, with some materials it is difficult to understand definitively how detailed this information has to be, or it can be difficult to determine how the information is to be communicated. At Hachioh, our thoroughly experienced staff are focused on hearing the process of how the waste was generated. After ralling down information on the liquid waste through this process of hearing how it was generated and its constituent components, we move forward by analyzing a waste sample and then with a test treatment. This is our prudent approach toward safe and proper treatment of waste.



After ralling down information on the liquid waste through this process of hearing how it was generated and its constituent components, we move forward by analyzing a waste sample and then with a test treatment. This is our prudent approach toward safe and proper treatment of waste.



### Request when Disposing of Waste

From the perspectives of legal compliance and proper disposal, please understand and cooperate with the following 3 points.

1. Please provide us with a waste data sheet (WDS) when entrusting us with your waste.
2. Corroded or leaking containers are not suitable for transport, so please have waste in proper containers.
3. Please label containers.

### Here is the Hachioh Difference!

- **Pre-check of High-risk Chemical-related Waste, even in Small Amounts**  
Hachioh takes on hazardous and high-risk chemical-related waste, even in small amounts. First off, we use our dedicated qualitative kit to check each and every kind of waste we take on. When doing so, it is also important to check the chemical properties of waste when we have not received information in advance. If this pre-check of properties were neglected, problems could result, such as generation of toxic gas when mixing the waste.
- **High Tech and Decades of Experience & Knowledge**  
Our staff receive our in-house specialized training and leverage our decades of experience and knowledge with

high technology to discover lurking dangers and to provide separate treatments for each and every hazard and risk.

- **Our Mission at Hachioh is Zero Chemical Accidents**  
When our customers provide us with proper information we at Hachioh dispose of the waste accordingly; if we find a discrepancy with prior information, we give our customers feedback—all part of our mission to provide our customers safety and peace of mind by preventing any accidents with chemical substances, which occur so frequently around the country. Zero chemical accidents—that's our mission.



### Support for Events to Strengthen Relationships of Sisters City Kyoto and Kiev

Traditional Japanese garden as a symbol of friendship between two cities was built in Kyoto Park in Kiev in cooperation with JT group.

## JT's CSR Activities ~ Cooperation with Kyoto City



## Sponsorship for Kyoto Green Project



**Kyoto Forests Now**

A fungal disease carried by oak ambrosia beetles causes a wide-spreading Japanese oak wilt. Kyoto recently confronts the damage caused by Japanese oak wilt in mountains and forests.

**What is Japanese oak wilt?**

Japanese oak wilt transmitted by oak ambrosia beetles causes plugging of oak trees xylem with gum and tyloses, and finally tree death. In 2005, in Kyoto a program for preventing infection spreading had been started. In 2010 17,000 damaged Japanese oaks were examined one by one.

**Oak ambrosia beetles**  
Photo: Independent administrative corporation, Forest research laboratory, Kansai Ward Branch Office

**Damaged forests**



JT supports the desire of Kyoto city to create a mechanism for protection of Kyoto nature. Our business would never exist without nature, and for this reason we want to contribute in its protection. We are concerned about fast-spreading mortality of Japanese oaks and want to lend a helping hand. JT wants to be one of those companies who support activities for protection of the nature of Kyoto – world-famous touristic spot and environmental model city.

## Kyoto City Civic Collaboration for Electric Power Generation System



### Mechanism of Civic Collaboration for Electric Power Generation System



- 1 Kyoto City voluntarily offers the management entity (General Incorporated Association "Bikkuri Eco Hatsudenshyo"; formed by various organizations involved in environmental activism in Kyoto region) places such as rooftops of public institutions for solar power systems installation.
- 2 The management entity collects funds provided by Kyoto residents, installs solar power systems and raises administrative funds.
- 3 The management entity installs and maintain solar power systems.
- 4 The management entity sells generated energy to electric power companies.
- 5 ⑥The management entity gains profit and returns funds to the investors (residents).
- 7 The management entity contributes to the local society and the region by organizing seminars, etc.

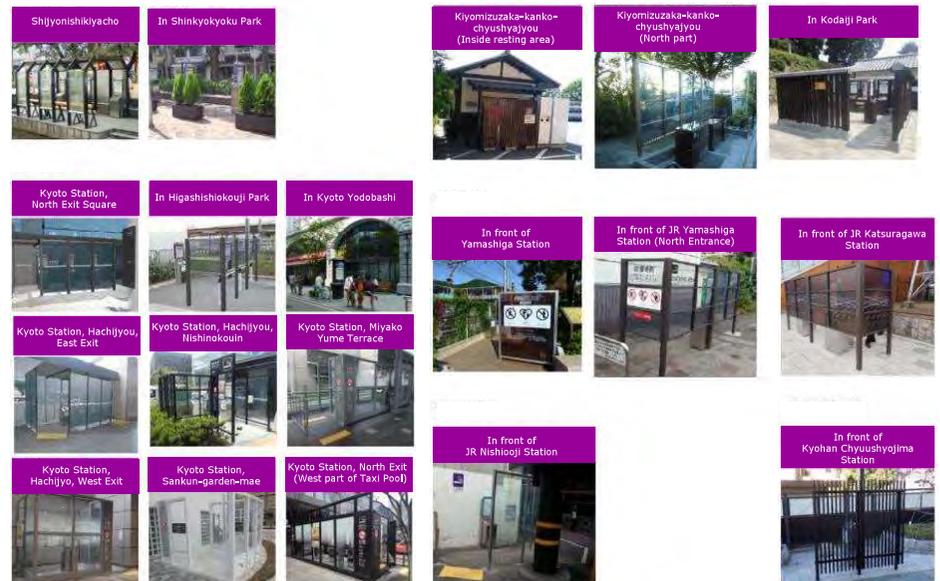
JT supports Sponsoring Organization as well as Secretariat of the management entity "Bikkuri Eco Hatsudenshyo"



## Collaboration with Kyoto City for Providing Smoking Areas



In order to raise cultural awareness and improve smoking manners of residents and tourists, we create public smoking areas in every ward of Kyoto city.





## JTI Poland

*Our history*

# Japan Tobacco International

## JTI Poland

Industrial, academic, government cooperation  
in Poland

*December 4-7, 2018*

- **2007** – Gallaher Group's (incl. Gallaher Poland) acquisition by JTI
- **2008** – Full integration & Company name change into JTI Poland
- **2009** – Opening of the **new cigarette factory** in Gostkow
- **2010** – Opening of the new office building and warehouse in Gostkow
- **2014** – Opening of the **Europe Flavor House** in Gostkow
- **2017** – **OTP (Other Tobacco Products\*)** factory opening in Gostkow
- **2018/2019** – **Reduced Risk Products** factory

\* OTP – Other Tobacco Products  
(smoking tobacco, cigars, pipe tobacco)



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JTI Poland 2

## JTI Poland

*Poland – one of the key JTI markets*

- Since 2007 JTI has been the fastest growing tobacco company in Poland: it's Polish cigarette **market share has grown from 4% in 2007 to over 17% in 2018\*** while cigarette production boosted from 5 billion in 2007 to over 58 billion in 2017.
- **In 2008-2017 JTI invested in Poland >800 million USD.** RRP investment (2018-2019) will add >150 million USD to this amount.
- JTI Poland currently hires over **1900 employees.**
- The company is involved in a number of **long-term social projects** focusing on support for the elderly as well as promoting Japanese culture in Poland.
- JTI Polska is also **actively contributing to the fight against the grey market** and illegal tobacco trade.
- In 2018 the company was ranked **number two employer in Poland** according to the **Top Employers** certification. In recognition of innovative solutions introduced in Stary Gostków factories, the Business Center Club awarded the company with the title of **Ambassador of the Polish Economy 2018.**

\*Source: Nielsen

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JTI Poland 3

## JTI Factory in Gostkow

*Gostków in Poland – characteristics*



- **Kaizen approach:** Employee suggestion system, Safety and 5S, Lean manufacturing
- **Environment responsibility:** 50% energy comes from renewable, 99% waste recycling rate
- ISO 9001, ISO 14001, OHSAS 18001 **certificates**



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JTI Poland 4

## 2018-2020 – Reduced Risk Products factory

New RRP Factory



Production of **Ploom Tech** brand, over 150 new hires

© Copyright JTI 2012

JTI Poland 5

## Corporate Social Responsibility

Social and cultural long-term engagement as of 2018

### Social engagement in Gostkow factory region

- Support to Elderly (neighborly assistance).
- Computer trainings and „Entrepreneurship Academy” for unemployed people.
- Promotion of the region and its culture.



### Cultural engagement and strengthening Japanese heritage

- Partnership with Manggha Museum of Japanese Art & Technology in Krakow.
- Japanese Art Gallery in Warsaw and Gostkow JTI's offices.
- Regular cooperation with Embassy of Japan in Poland on the new investments.



### Anti-Illegal Trade (AIT) activities

- JTI trainings for the Law Enforcement Agencies.
- Regulatory engagement against the illegal trade.

### Environment protection

- Support to rescue services stationed in the area of Gostkow Factory (e.g. 2017 co-financing of purchase of a new fire-fighting vehicle for the Voluntary Firefighting Unit)



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## Corporate Reputation

Several reputable awards for JTI Poland

**Ambassador of the Polish Economy 2018**  
For innovative solutions introduced in Stary Gostków factories.



**Leader of the Polish Business 2017**  
For sustainable investments, successful trade strategy and effective CSR.



**Employer no 2 in Poland in 2018: Top Employer certification**

Recognition for outstanding talent management, benefits offered and HR processes.



**2016 Top Kaizen Partner**  
For promoting the Kaizen philosophy among companies and society.



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## Ricoh's Sustainability Strategy

~ Actions Towards a Zero-carbon Society ~

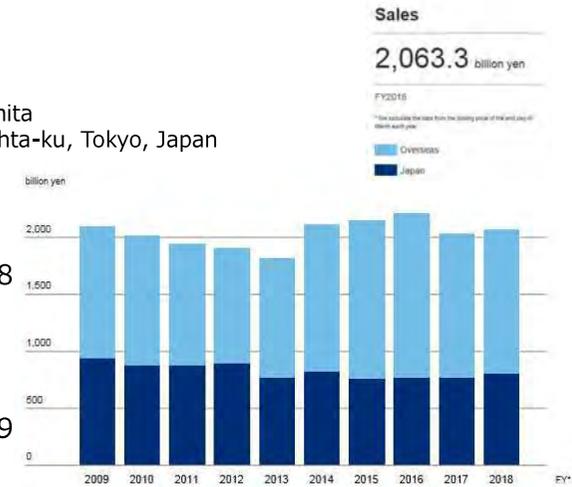
December, 2018  
 Soichiro Somekawa  
 Infrastructure Solution Division  
 Corporate Advisor  
 Ricoh Japan Co.

## Ricoh Group Outline

- Ricoh Company, Ltd.  
 Founded: February 6, 1936  
 Capital: 135.3 billion yen  
\*as of March 31, 2018  
 President and CEO: Yoshinori Yamashita  
 Head Office: 3-6, Nakamagome 1, Ohta-ku, Tokyo, Japan

- Ricoh Group Consolidated  
 Number of Companies: 222  
 Number of Employees: 97,878  
\*as of March 31, 2018  
 Sales: 2,063.3 billion yen  
\*Year ended March 31, 2018

- Ricoh Japan Co.  
 Number of Employees: 19,309  
\*as of March 31, 2018  
 Sales: 602.7 billion yen  
\*Year ended March 31, 2018

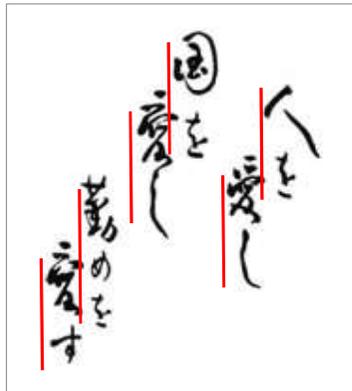


**(Infrastructure Solution Division : 25 billion Yen )**

## Ricoh Way

### The Spirit of Three Loves

by Kiyoshi Ichimura, Founder



“Love your neighbor”

“Love your country”

“Love your work”

- Ricoh Founding Principles -



Kiyoshi Ichimura, Founder

## Concept of Environmental Management

In 1998, Ricoh established the idea of “environmental management” to simultaneously realize environmental protection standards and business growth.

- In 2017, Revised environmental goals were announced

### 《Ricoh Group Environmental Declaration》

We proactively reduce environmental impact and strive to improve the Earth's self-recovery

capabilities to achieve a **zero-carbon society** and a **circular economy** through business.



Joined **RE100** April 2017

Certified as **SBT** July 2017

### 2050 environmental goals

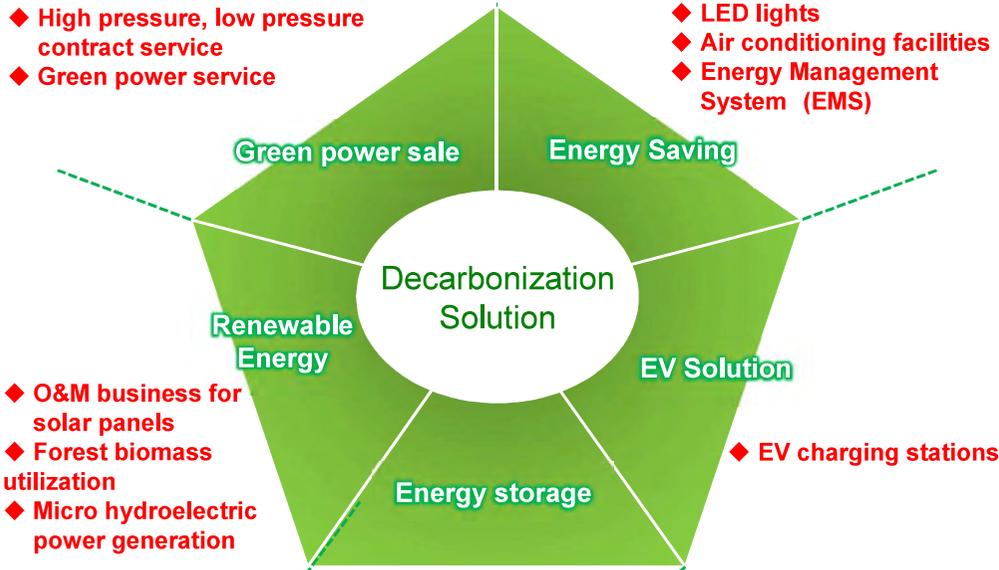
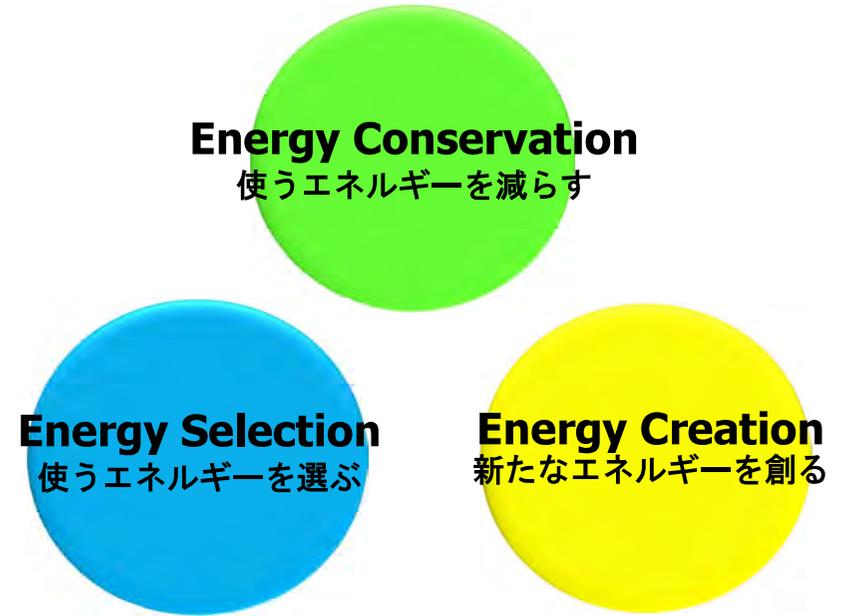
\*Aim for zero GHG emissions across the entire value chain

\*Resource conservation rate for products: 93%

Within Ricoh group, **9 companies achieved RE100%**  
71 RE100% sites

As of Oct. 2018

- Ricoh Austria,
- Ricoh Europe Netherlands,
- Ricoh Spain,
- Ricoh Europe SCM,
- Ricoh International,
- Ricoh Luxemburg,
- Ricoh Netherlands,
- Ricoh Costa Rica,
- Ricoh South America Distribution Center

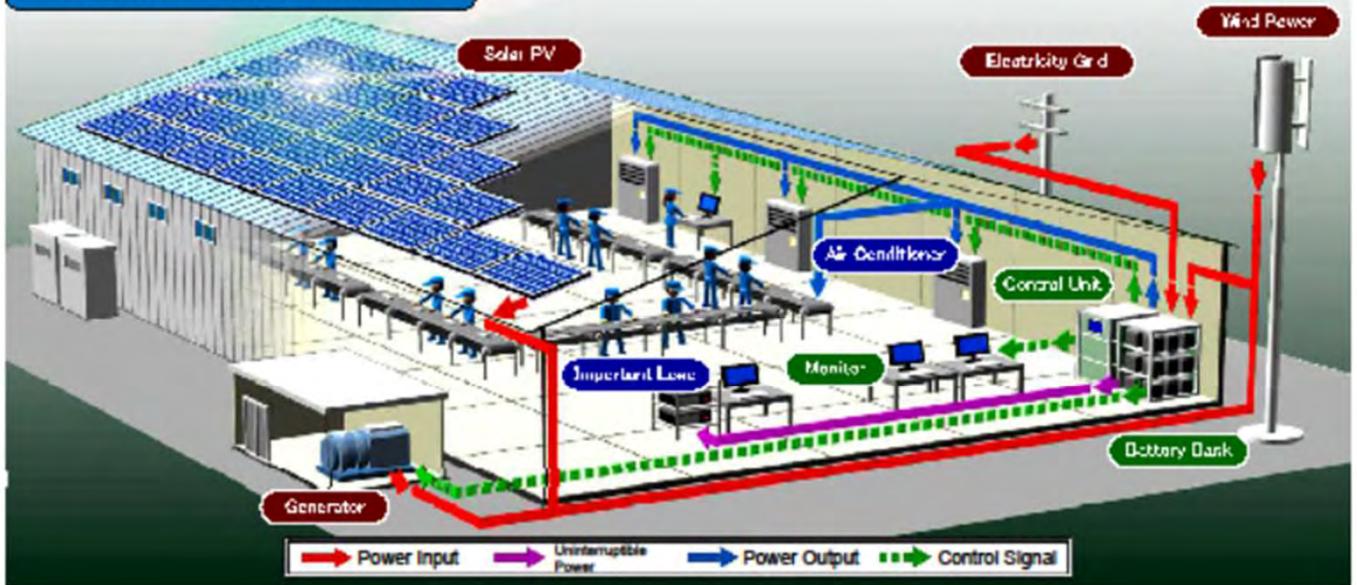


**“We do not inherit earth from our ancestors; we borrow it from our children.”**

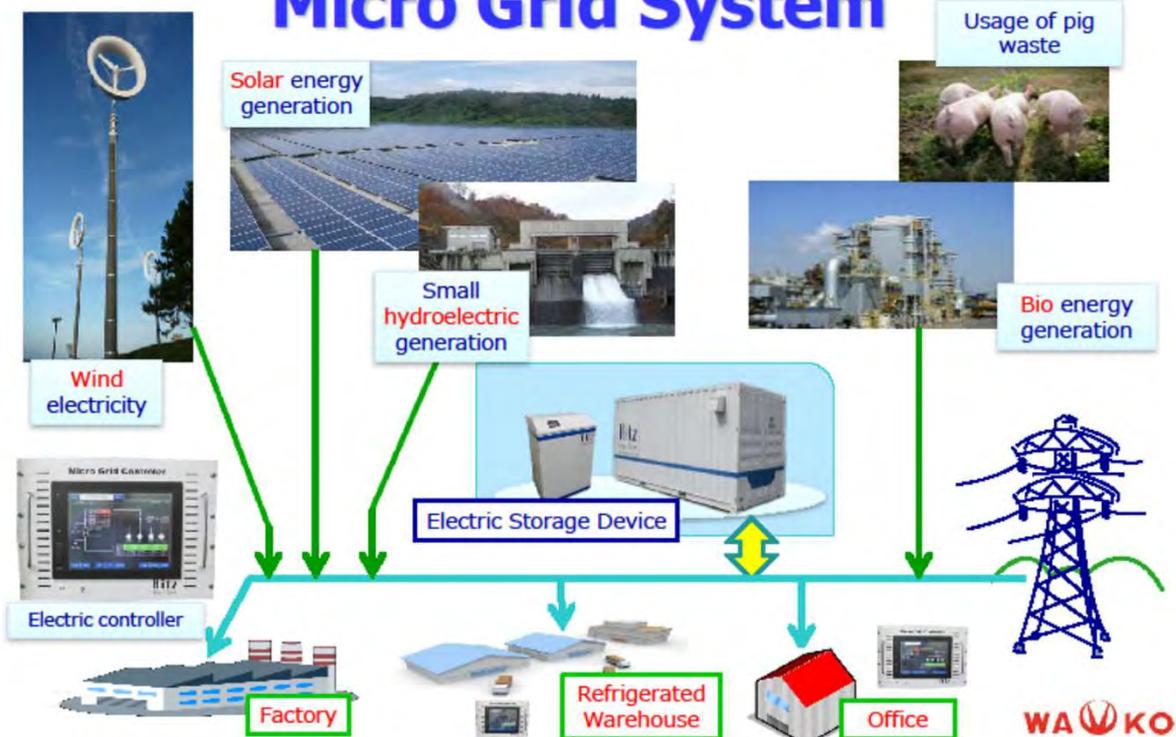
The Micro Grid system is a small-scale energy network consisting of distributed energy sources and energy consumption facilities, which is managed to balance supply and demand using information and communication technology.

Advantages	• Saving electricity and energy	Enable to realize optimization of electricity usage of the factory. Improve 'energy saving mind' by the visualization of energy consumption.
	• Contribution to business continuity plan	Use as the backup power in case emergency. Supply electricity to important load such as the data server.
	• Energy management of factory or office building	Control the energy usage of factory or office building totally. Enable to conduct centralized monitoring.
	• Contribution to green society	Reduce CO <sub>2</sub> emissions. Use as the evacuation facility in case emergency.
	• Stabilization of electricity supply	Improve the quality of electricity such as voltage and frequency by stabilizing of the fluctuation of renewable energy.

## System Configuration



## Micro Grid System



# Comprehensive Planning of Solar Power Plant



High-output type solar module & mounting rack of excellent workability



Power distribution cubicle



Installation example at the mountainous area of complex shape

## Certified by KYOTO Prefectural Government

In the event of disaster, automatically change to supply for their own factory & for neighboring residents.



Junction BOX

Collection BOX

Outlet for residents



Cubicle

independent operation

# YASUDA SANGYO GROUP Company Overview

- Company Name : YASUDA SANGYO Co., Ltd.
- Established : April, 1974
- Capital : 45 million yen
- Number of employees : about 250 (as of October 2018)
- Business contents :
  - \* Waste treatment business :
    - Collection and transportation of Municipal and industrial waste
    - Waste recycling (RPF etc...)
  - \* Waste management business : General management
  - \* Manufacturing business :
    - Making steelmaking subsidiary materials and coal alternative fuel
    - Operation of hydroponically indoor vegetable factory



# Group Corporate Philosophy and Vision

## Group Corporate Philosophy



## Vision

Aiming for the coexistent of customer's satisfaction and sustainability  
 Each member of Yasuda Sangyo group tries to achieve their own sustainability. Through providing the service of processing waste materials, we contribute to improve the Quality of life and creating sustainable society. We are passionate to contribute for sustainable development goals with stakeholders toward creating our sustainable society as the common global issue.



# Activities for Sustainability

## 特集

### Separating Beverage Container Line with high technology

◇ Aim of Activities  
 In the past, Separating beverage container line was worked by people's hands and eyes

In the near future, the number of workers will decrease. In addition to this, it is necessary to improve the separating quality for the business with domestic resource recycling maker, because China prohibit imports of resources.



### Coordinate program of doing 3R which everyone can join

◇ Aim of Activities  
 Food waste and resources which are not separated are the two biggest problem in Japan.  
 We plan a 3R program with local community and promote sustainable actions.



### Plan a AI delivering system And decrease extra jobs

◇ Aim of Activities  
 Kyoto is the tourist spot where there are always traffic jams. It is a huge challenge to drive trucks on time

We planned a correcting route from experience, but by introducing high technology, the efficiency was improved. This become a system not only emit extra CO2 but also stable the work.

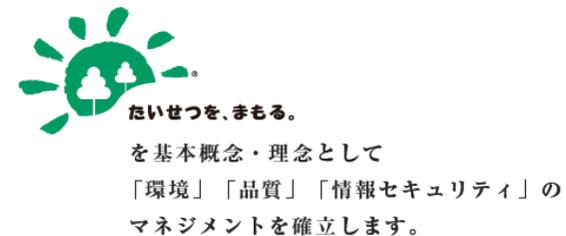


### From leftovers of school lunch to residuals of food processing factory

◇ Aim of the Activity  
 Reducing food loss is the problem every countries are facing.  
 Food waste from leftovers and untouched food is more than 6 million tons per year.  
 We try to cooperate with administrations to deal with the uncertainty when we manage the one of the largest recycling facilities in Japan.



# Group Company's Policy



## Six basic policy

- ① Complying with business management, information security related laws, regulations and any other requirements.
- ② Creating and continually improving management system.
- ③ trying to prevent pollution, protect natural environment and utilize resources effectively.
- ④ Educating people to provide goods and services which make customers being satisfied.
- ⑤ Taking appropriate measures systematically and technically for protecting confidentiality, integrity and availability of information assets completely.
- ⑥ Doing enough education and training in order to make managers and workers recognize the importance of information resources.