

# Pursuing growth and efficiency

## Basic Policy

1. Accelerated growth via new business areas
2. Enhancement of the profitability of core business
3. Promotion of global management

### 1. Accelerated growth via new business areas

Focusing on the gold and silver refining business in North America (Asahi Refining) that joined the Group in March 2015, we are rapidly expanding the overseas business field that had developed mainly in Asia, and carrying out strategic measures and investment for full-fledged growth. Furthermore, we are investing aggressively in our newly established life & health business segment in order to meet the needs of Japanese society with the increase in the elderly and rising health conscious trend, and expanding the business as a new driver of growth.

### 2. Enhancement of the profitability of core business

In part because it enables aggressive strategic investing in new business fields, we are enhancing measures to maximize cash flow from existing business. Along with undertaking even more thorough selection and concentration of management resources by setting standards for long-term continuation of existing business, we will reinforce measures to strengthen the competitiveness of each business in order to ensure stable profit. To optimally utilize the management resources of the Group as a whole acquired through M&A, we will maximize the synergy of the Group, including Asahi Refining, in terms of facilities, human resources, customer bases, and information, thus contributing to steady profits.

### 3. Promotion of global management

Asahi Refining's entry into the Group improves our global presence and creates significant business development opportunities. We are therefore further evolving our corporate management base, working a company with Audit and Supervisory Committee governance structure the external and shareholder perspective through a committee including Outside Directors and a stronger oversight system. In addition, we will begin voluntary application of International Financial Reporting Standards (IFRS) in FY 2016.



## CONTENTS

### ■ Business Activities

Pursuing growth and efficiency	01
Top message	02
CORPORATE GOVERNANCE	03
FOCUS 2016	07
Precious Metal Business	09
Environmental Preservation Business	15
Life & Health Business	19

### ■ Environmental Activities

Environmental Management	24
Environmental Performance	25
Environmental Accounting	
Results of Saving Exhaustible Natural Resources, Recycling	
Global Warming Prevention Efforts	26
Energy-Saving Effort	

### ■ Relationship with our stakeholders

With our customers	28
With our communities	
With our shareholders, investors	
With our employees	

### ■ Reference

GROUP HISTORY	29
ASAHI HOLDINGS GROUP COMPANIES	31
ASAHI WAY	32

## Top message



The fiscal year 2016, the second year of the 7th Mid-term Business Plan, had a harsh management environment due to the influence of slumping precious metal prices. However, we continued to endeavor toward the three basic policies of the 7th Mid-term Business Plan: "accelerated growth via new business areas," "enhancement of the profitability of core businesses," and "promotion of global management."

In the life and health business, which was launched in the fiscal year 2015, centered on the core company of Fujiiryoki, we continued from the previous fiscal year to work toward policies that aim for the expansion of profits, such as overseas development and product lineup expansion. The business has steadily grown into a new pillar for us.

For the North American gold and silver refining business, which was also added to the group in the fiscal year 2015, we are rebuilding the management base through efforts to reduce production costs, proactive marketing activities aimed at improving the level of recognition for Asahi brands, and so forth. However, the slump in related industries stretched on, and handling prices remained at a low level. Stemming from this, in terms of the goodwill that was generated at the time of the Asahi Refining acquisition, there was an impairment loss of 7.512 billion yen as a result of carefully considering future recoverability. As a result of this, the outstanding balance of goodwill for Asahi Refining decreased to zero.

In terms of the existing domestic precious metal recycling business, there was a decreasing trend for the overall volume of precious metals discharged from the electronic materials sector, the jewelry sector, the dental sector, the automobile catalyst sector, and so forth. However, by establishing collection routes to meticulously conduct nationwide support and proactively expanding the cultivation of new customers, we steadily secured precious metal collection volumes and their accompanying earnings.

With regard to the environmental preservation business, the overall emission volume of industrial waste decreased due to the domestic permeation of the 3 Rs (reduce, reuse and recycle). However, each group company leveraged its distinctive features and we utilized the nationwide network of the Asahi Holdings Group, allowing us to deploy activities in the pursuit of profitability and achieve results.

Further, we continued to reexamine the asset utilization situation of all group companies and continuously promoted restructuring in order to strengthen earning power, including activities such as the selling of underutilized assets, the consolidation of offices, and so forth.

In order to strengthen our management base in accordance with our global business expansion, we used our 2015 transition into a company with Audit and Supervisory Committee, as an opportunity to strengthen our risk management structure and also established our group's basic policy for corporate governance. From the fiscal year 2016, we introduced International Financial Reporting Standards (IFRS). We are always moving forward with management that is conscious of ROE (return on equity), which is a global standard, and are continuing to roll out efforts to improve corporate value.

Such efforts by our company have been highly evaluated, with our stock being selected as a constituent stock in the "JPX-Nikkei Mid and Small Cap Index," which was newly calculated by Nikkei Inc. and Tokyo Stock Exchange, Inc. in December of 2016.

The fiscal year 2017 is the final fiscal year of the 7th Mid-term Business Plan, and is a vital year for future growth. Our entire group will come together to practice "innovation and challenge," which is mentioned in the Asahi Way, and will endeavor toward the achievement of our performance goal of an operating profit of 11.5 billion yen. We humbly ask for your continued support.

June 2017

President & CEO

### Editorial Policy

This report has been created as a communication tool that presents basic company information as well as initiatives taken in the previous fiscal year on those aspects.

### Disclaimer

This report not only includes facts on the past and present of the Asahi Holdings Group, but also contains statements pertaining to future plans and prospects, and the forecasts based on our management business plan. This report inherently contains the information available at the time of editing. Consequently, actual business results and activities could differ from those projected due to management environment changes and other various factors.

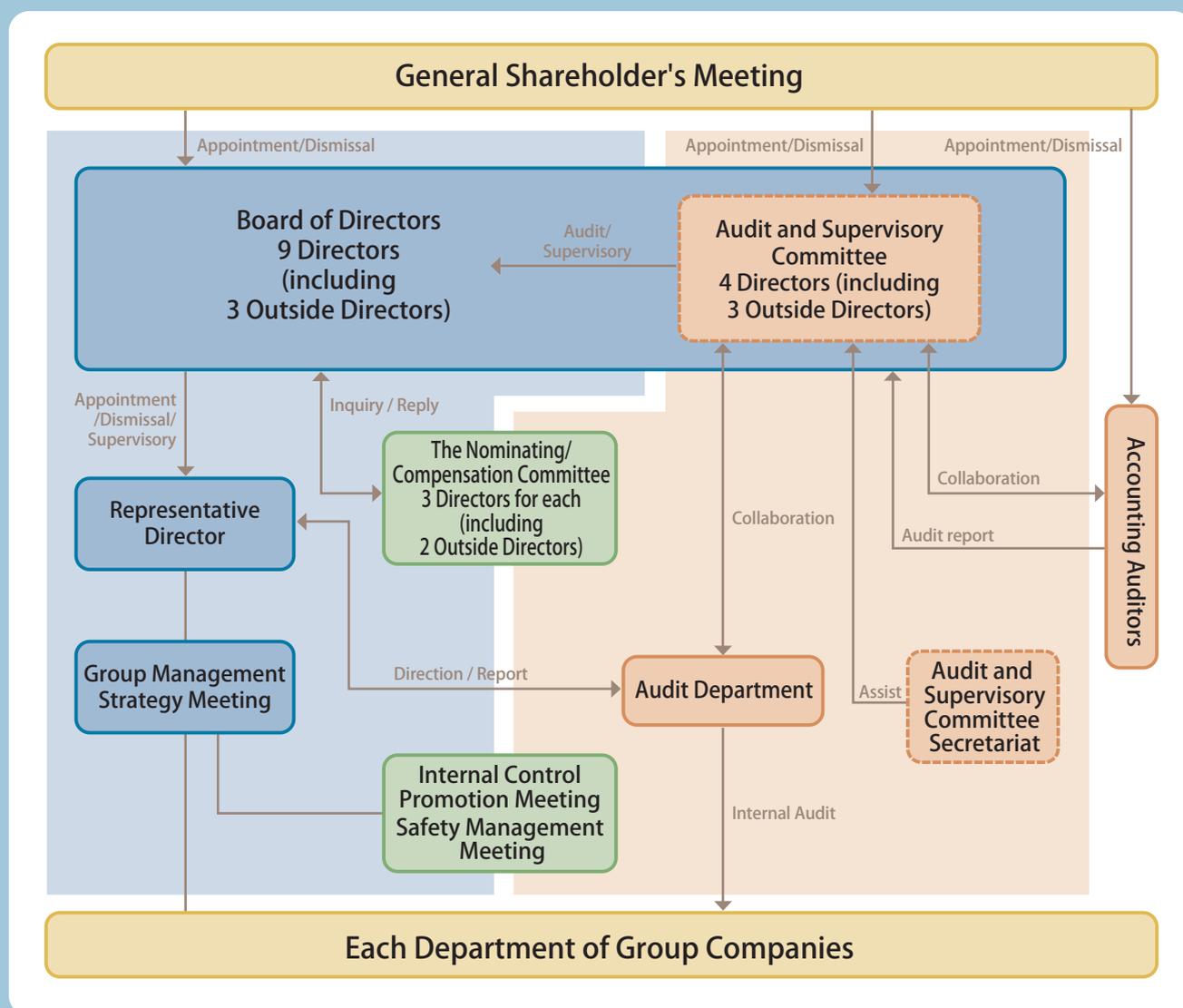
### About the group's logo

The group's logo uses a spiral shape as a motif to signify our corporate stance in seeking "environmental preservation through recycling," a feature of our business, and also means continuity and growth. The arrowheads stretching upward and downward symbolize our being an advanced and cutting-edge company. The three colors of blue, red and green each respectively signifies "clean water and sky," "the energy of people doing activities" and "beautiful nature and forests."



In order to meet expectations of stake holders and to maximize corporate value, we are committed to enhancing our corporate governance with Asahi Holdings taking the initiative as a holding company.

### Corporate Governance



Company with Audit and Supervisory Committee		
<b>Directors</b>	Number of Directors	5
	Term of office(year)	1
<b>Directors concurrently serving as Audit and Supervisory Committee Member</b>	Number of Directors (Outside Directors)	4 (3)
	Term of office(year)	2

## Board of Directors



**Mitsuharu Terayama**

**Biography**

Mar 1964 : Bachelor of Economics, University of Tokyo  
 Apr 1964 : Joined KURARAY CO., LTD.  
 Jul 1973 : Joined Asahi Pretec Corp.  
 May 1981 : Appointed as Representative Director and President of Asahi Pretec Corp.  
 Apr 2009 : Appointed as Representative Director and President of Asahi Holdings, Inc.  
 Apr 2011 : Appointed as Chairman and Director of Asahi Pretec Corp. (to present)  
 Jun 2014 : Appointed as President & CEO of Asahi Holdings, Inc. (to present)



**Yoshikatsu Takeuchi**

**Biography**

Mar 1978 : Bachelor of Law, Kobe University  
 Apr 1978 : Joined Hyogo Sogo Bank  
 Apr 1999 : Joined Asahi Pretec Corp.  
 Jun 2001 : Appointed as Director of Asahi Pretec Corp.  
 May 2008 : Appointed as Representative Director and President of Japan Waste Corporation (to present)  
 Apr 2009 : Appointed as Director of Asahi Holdings, Inc. (to present)



**Tomoya Higashiura**

**Biography**

Mar 1984 : Bachelor of Human Science, Osaka University  
 Apr 1984 : Joined NEC Corporation  
 Feb 2001 : Joined Asahi Pretec Corp.  
 Jun 2006 : Appointed as Director of Asahi Pretec Corp.  
 Apr 2011 : Appointed as Director of Asahi Holdings, Inc. (to present)  
 Jun 2014 : Appointed as Representative Director and President of Asahi Pretec Corp. (to present)  
 Apr 2017 : Appointed as Representative Director and President of Asahi Americas Holdings, Inc. (to present)



**Kazuo Kawabata**

**Biography**

Mar 1982 : Master of Engineering, University of Tokyo  
 Apr 1982 : Joined NIPPON STEEL CORPORATION  
 Jul 2006 : Joined NIPPON STEEL ENGINEERING CO., LTD.  
 Jul 2008 : Joined Asahi Pretec Corp.  
 Apr 2013 : Appointed as Director of Asahi Pretec Corp.  
 Jun 2014 : Appointed as Director of Asahi Holdings, Inc. (to present)  
 Dec 2014 : Appointed as Director of Asahi Americas Holdings, Inc. (to present)



**Amane Kojima**

**Biography**

Mar 1992 : Bachelor of Business and Commerce, Keio University  
 Apr 1992 : Joined Nissho Iwai Corporation  
 Jun 2009 : Received MBA from University of Wales  
 Mar 2011 : Joined Asahi Pretec Corp.  
 Apr 2012 : Appointed as General Manager of Accounting Division of Asahi Holdings, Inc. (to present)  
 Jan 2013 : Registered as a USCPA (Washington)  
 Dec 2014 : Appointed as Corporate Auditor of Asahi Americas Holdings, Inc. (to present)  
 Jun 2016 : Appointed as Corporate Auditor of Asahi Pretec Corp. (to present)  
 Jun 2017 : Appointed as Director of Asahi Holdings, Inc. (to present)

## The Audit and Supervisory Committee Member



**Shoji Morii**

**Biography**

Mar 1972 : Bachelor of Commerce, Waseda University  
 Apr 1972 : Joined Sumitomo Trust and Banking Co., Ltd.  
 Jun 2003 : Appointed as Representative Director and President of Kobe Airport Terminal Co., Ltd.  
 Jun 2006 : Appointed as Representative Director and President of Kaijo Access Co., Ltd.  
 Jun 2009 : Appointed as Outside Director of Asahi Pretec Corp.  
 Jun 2010 : Appointed as Outside Director of Asahi Holdings, Inc.  
 Jun 2015 : Appointed as Outside Director (serving as Audit and Supervisory Committee Member) of Asahi Holdings, Inc. (to present)



**Yukio Tanabe**

**Biography**

Mar 1981 : Bachelor of Commerce, Yokohama City University  
 Apr 1981 : Joined Victor Company of Japan, Limited  
 Jan 1988 : Joined Sony Corporation  
 Sep 2004 : Joined Asahi Pretec Corp.  
 Jun 2008 : Appointed as Director of Asahi Pretec Corp.  
 Apr 2009 : Appointed as Director of Asahi Holdings, Inc.  
 Jun 2011 : Appointed as Corporate Auditor of Asahi Holdings, Inc.  
 Jun 2015 : Appointed as Director (serving as Audit and Supervisory Committee Member) of Asahi Holdings, Inc. (to present)



**Yuji Kimura**

**Biography**

Mar 1978 : Bachelor of Science, University of Tokyo  
 Apr 1979 : Joined the Environment Agency  
 Jul 2006 : Appointed as General Manager of Industrial Waste Management Division, Waste Management and Recycling Department of the Ministry of the Environment  
 Aug 2010 : Appointed as Director-General of Kyoto Mechanism Business Promotion Department of New Energy and Industrial Technology Development Organization  
 Jul 2012 : Appointed as Director-General of Hakodate Customs, Ministry of Finance Japan  
 Oct 2014 : Appointed as Executive Director and General Manager of Tokyo Office, Global Environment Centre Foundation (to present)  
 Jun 2017 : Appointed as Outside Director (serving as Audit and Supervisory Committee Member) of Asahi Holdings, Inc. (to present)



**Kyoko Kanazawa**

**Biography**

Sep 1988 : Master of Social Sciences, University of Kent  
 Mar 1989 : Bachelor of Law, Gakushuin University  
 Apr 1989 : Joined FUJI RESEARCH INSTITUTE CORPORATION  
 Apr 2000 : Registered as lawyer / Joined Hata & Co. Law Offices (to present)  
 Jun 2017 : Appointed as Outside Director (serving as Audit and Supervisory Committee Member) of Asahi Holdings, Inc. (to present)

Under the even more transparent corporate governance, our 23 group companies and 1,961 group employees are expanding its business fields beyond Japan and the rest of Asia to the entire world. Operating companies, mainly Asahi Pretec and Japan Waste make timely decisions and develop operations in each specialty area in order to reinforce competitiveness and expand profit. With each company carrying out its functions, we will strive to achieve lasting growth and development as a corporate group.

## Corporate Governance/Risk Management

### ■ Establishment of Corporate Governance Policies

In order to achieve sustained growth and to enhance medium to long-term corporate value, we established “Asahi Holdings Corporate Governance Policies”

By carrying out each initiatives, we will strive to achieve continuous development of corporate governance.

URL:<http://www.asahiholdings.com/english/ir/library/governance/>

### ■ Maintaining an internal control system

We are working to strengthen corporate governance by establishing an Audit and Supervisory Committee within the Board of Directors, including three outside directors, which cooperate with our internal audit sector and internal control sector. Furthermore, along with establishing systems so the Board of Directors, Audit and Supervisory Committees and internal control sector function effectively, we are strengthening our internal control system by developing rules regarding compliance, risk management, information management, and so on, and are implementing them group-wide. Moreover, in order to carry out fair and sound corporate activities, Guidelines for Action that must be strictly followed by all Group members are codified in the Asahi Way\*.

\*Refer to page32 “Asahi Way”

### ■ Risk management

To properly manage apparent and potential risks in business activities, we study risks from a comprehensive standpoint, against which assessment is performed and actions taken. We are working hard to prevent risks from arising, and to minimize losses when risks develop into a crisis, through the promotion of risk management.

### ■ Compliance

We consider compliance a priority issue in delivering fair business activities and ensuring legal compliance and high ethical standards. Particularly, operations related to appropriate processing of wastes are based on environmental laws and regulations as well as governmental licenses, and each and every employee is required to always act with a highly compliant mindset. We are conducting activities to raise the legal compliance awareness of each and every employee through education and mutual communication, along with rules and manuals related to compliance.

### ■ Internal reporting system

To quickly identify and resolve problems such as unlawful and unjust behavior, we have set up “Asahi Hotline”(whistle blower program). Employee can directly report to both an internal desk and external law firm anonymously.

We place corrective actions to disclosed matters after investigating without revealing the identity of the disclosing and disclosed parties.

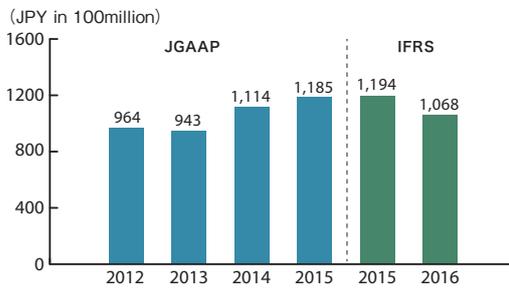
### ■ Business continuity management (BCM)

Due to various factors such as large scale disasters, there is a risk that our Group’s functions needed for business continuity may weaken. As an action plan to achieve quick restoration of mission-critical functions even after a disaster, we created a business continuity plan(BCP). In addition to BCP, we are conducting the activity of business continuity management which is a system for improving BCP and business continuity actions continuously.

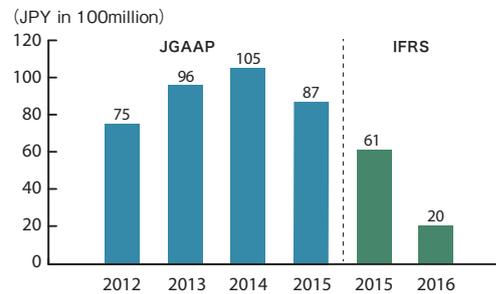
## Financial Highlight

We are proactively promoting strategic focus on growth and striving to improve corporate values through business development and provide stabilized returns to our shareholders.

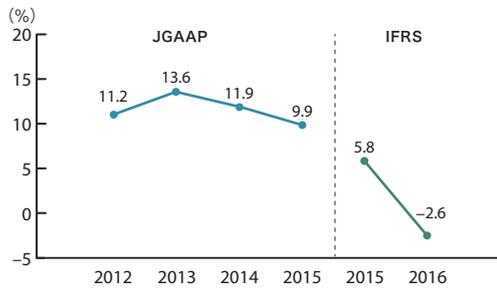
### ●Net Sales / Revenue



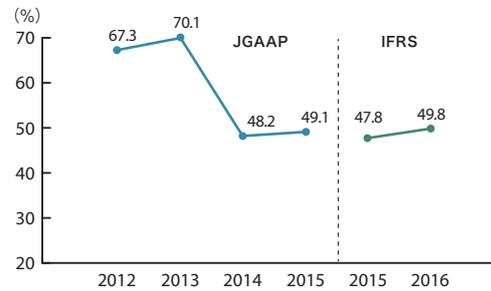
### ●Operating Income



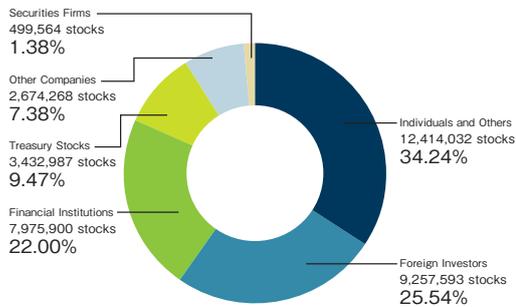
### ●ROE (Return on Equity)



### ●Capital Equity Ratio



### ●Stock Distribution by Shareholders



as of March 31, 2017

### Basic Policy on Shareholder Returns

In order to continue to grow our corporate value, we carry out strategic investment for growth while working to enhance our revenue base. Our payout ratio is a key metric in the distribution of the proceeds of this, and we return profits to our shareholders through the provision of a stable dividend.

### ○Dividend Per Share



## The Asahi Holdings Group is consistently evolving for sustained growth and its acceleration.

Our Group is accelerating its growth with two business segments as new growth engines: the life & health business centered on FUJI MEDICAL INSTRUMENTS MFG.CO.,LTD.(Fujiiryoki) which joined the Group in 2014, and the gold and silver refining business in the USA and Canada, which became part of the Group in 2015.

### ● Awareness activity of Asahi brand



Asahi Refining, which operates gold and silver refining business in the USA and Canada, boasts a handling volume for its share of gold refining that puts it into the top class both in North America and globally, playing a part in our global expansion. As with Asahi Pretec, the products of Asahi Refining have been certified by the LBMA (London Bullion Market Association) as Good Delivery bars. Further, in 2016, Asahi Refining began distribution of a newly designed 1 kg bar as well, as seen in the photograph on the left.

### ● Expansion of mutual technology exchange

We actively expanding mutual technology transfer and utilization between polished up technology in Japan and technology cultivated through USA and Canada gold and silver refining business. By maximizing technical integration and synergy inside the Group, we meet customer needs in terms of quality, cost and delivery.



## ● Fujiiryoki's new top-of-line product for domestic market: Cyber-relax massage chair "AS-1100"

CYBER-RELAX MASSAGE CHAIR AS-1100, released in July of 2017, is the company's flagship model, aimed at electronics retail stores. The chair features a high-class design, and a newly developed roller massage function for the soles of the feet has been installed inside it, allowing you to enjoy a blissful, deeply therapeutic experience.



## ● "LOW-STYLE MASSAGE CHAIR AS-LS1," A stylish, compact massage chair that can also enjoy music



Fujiiryoki has developed a stylish, compact massage chair that complements modern living spaces. With its popular low-style design, which features a lowered back and seat in order to give the overall room a spacious, neat impression, this chair produces a space where you can be at ease and relax.

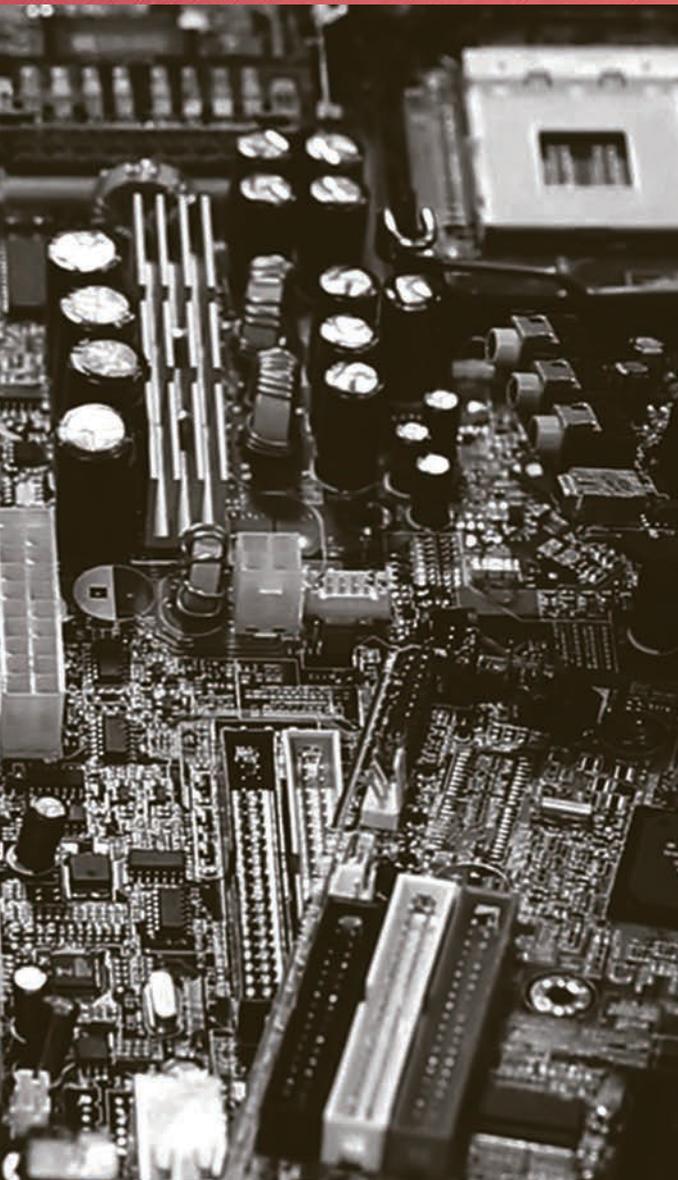
In addition, the chair also includes high-quality, 2.1-channel speakers with Bluetooth® compatibility, allowing you to pair it with a device such as your smartphone and casually listen to music. This makes it possible to have an enjoyable experience in your room, surrounded by music, at any time. This product is sold at electronics retail stores around the country.

\* The Bluetooth® word mark and logo are registered trademarks owned by Bluetooth SIG, Inc., and FUJI MEDICAL INSTRUMENTS MFG. CO., LTD. is using these marks based upon a license. Other trademarks and trade names belong to their respective owners.

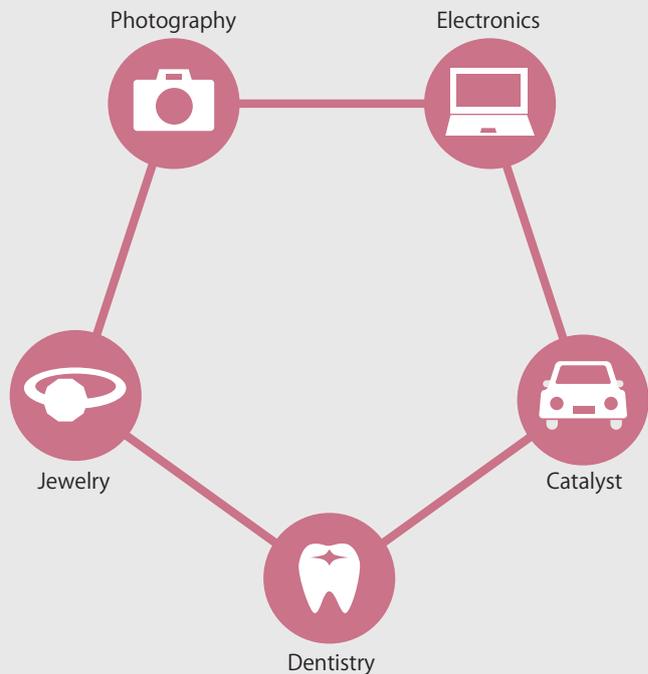
# Precious Metal Business

Utilizing effectively the limited resources to contribute to the earth and society.

We collect scraps containing precious and rare metals which are yielded from a variety of fields and recycle them mainly with Asahi Pretec as a core of precious metal recycling business. By recycling precious metals and rare metals such as gold, silver, platinum and palladium, which are essential to modern manufacturing activities, we are contributing to the effective utilization of resources and the industry development.



## Business sectors



There are a wide variety of fields and regions in which recyclable material for precious metals can be collected.

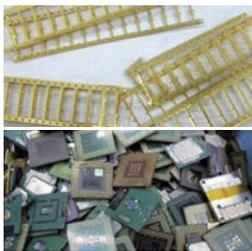
Utilizing overseas locations and domestic sales networks that cover the entire country, we efficiently collect and recycle precious metals and rare metal resources from various industry fields such as electronics, auto catalysts, dentistry, jewelry, and photography.

## 01. Business fields supporting industry

## We meet society's recycling needs in business sectors covering all fields.

### We recycle precious metals from discarded electronic substrate and processing scrap.

Gold Silver Palladium Platinum



#### 【E-scrap】

The electronics and semiconductor industries use precious and rare metals in the manufacturing processes for electronic components and printed circuit board used in personal computers and mobile phones. We use our world-class technologies to collect and recycle collect and recycle precious and rare metals discharged during various processes.

### We build a resource recycling cycle in the dental industry.

Gold Silver Palladium Platinum



#### 【Dentistry】

The precious metals products used at dental clinics and dental laboratories are mainly gold, silver, and palladium alloys. The precious metals content varies by type. We use our own system for integrated management of collection, assay and reporting to build a resource recycling cycle in the dental industry.

### We consistently maintain a high recovery rate with our own unique technology.

Gold Silver Palladium



#### 【Plating Treatment】

In plating treatment field, we are engaged in the business of recycling mainly precious metals included in plating solutions and so on. In addition to the recovery of precious metals such as gold, silver, and palladium, we also provide environment-friendly recovery technologies for rare metals recycling and water treatment/reuse.

### We also receive work from jewelry manufacturing organizations.

Gold Silver Palladium Platinum



#### 【Jewelry】

Based on our advanced assay and precious metal refining technologies, We recycle precious metals from jewelry products in distribution processes and from various materials arose during manufacturing processes. We are subcontracted by jewelry manufacturing industry organizations for "precious metal scrap collection and assay". Our many years of proven performance have earned the profound trust with all of our customers.

### We perform precious metals removing and precision cleaning of semiconductor-equipped parts.

Gold Platinum Silver Palladium



#### 【Precision Cleaning】

We are expanding our business of precious metals recycling and precision cleaning by temporarily keeping customer's vacuum deposition and sputter deposition equipment used in the process of electronic components and semiconductors.

### Collect X-ray film and effluent from photo processing for silver recycling and detoxification.

Silver



#### 【Photography】

We collect X-ray film and effluent from photo processing for silver recycling and detoxification. Effluent from photo processing is recycled as materials for roadbeds, achieving zero emissions.

### Automotive catalysts contain precious and rare metals.

Palladium Platinum Rhodium



#### 【Catalyst】

In accordance with environmental regulations concerning exhaust fumes such as the Air Pollution Control Act, the NOx/PM Act and other laws, precious metals such as platinum, palladium and rhodium are used as catalysts for automobile exhaust gas. We are making efforts to recycle precious metals from automotive catalysts, chemical catalysts, etc. utilizing our unique technology.

# We pursue new possibilities in precious metals recycling with our own technology.



### World-class technology that recovers precious metals in pure form from scrap.

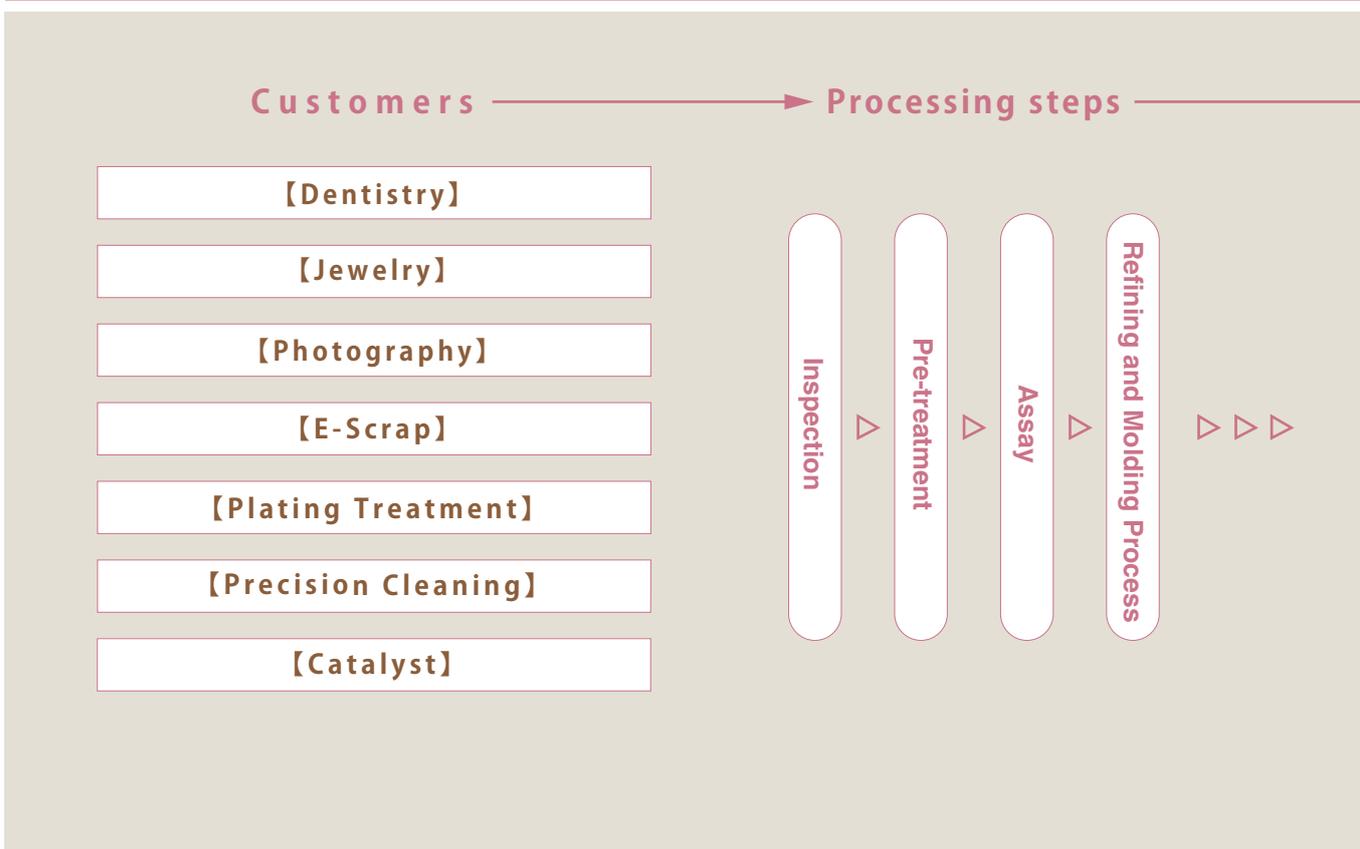
Technology that samples scrap, using methods in accordance with its characteristics to carry out accurate analysis. Furthermore, over many years we have accumulated technology to recover at the highest rate only the precious metals included in such scrap. In testing by the London Bullion Market Association (LBMA), our precious metals analysis technology scored at the world's top level.

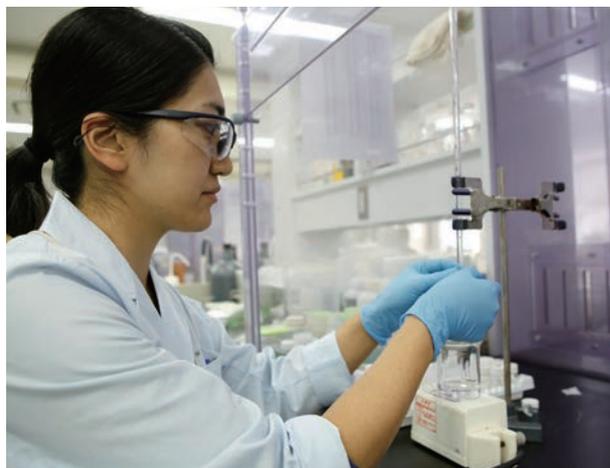
\* In order to keep and enhance assay skill of qualified institution LBMA have conducted this test from 2012. Close to 40 assay institutions including Mint and major gold refinery participate this test. Asahi Pretec participates every year.

### R&D consistently pursuing quality improvement.

In addition to the high-precision precious metals assay technology that we have cultivated so far, in our everyday R&D activities we are always aiming to optimize assay accuracy and lead time through the establishment of new methods and technologies. Especially in areas of great technical difficulty, we actively pursue multifaceted partnerships with universities and public research institutions.

## Processes of precious metals collection and recycling





### Optimal processing and production systems to achieve thorough efficiency.

We have deployed manufacturing operations in Japan and elsewhere in Asia that enable the most efficient recovery of precious metals and carry out optimal processing of recyclable materials depending on the different characteristics and admixtures in the business fields where we collect.

Furthermore, we accurately meet customer needs by fully utilizing optimal methods and efficient refining facilities depending on the type of precious or rare metal.

### Mutual technology transfer and utilization on a global level.

In the precious metals business, the acquisition of the North American gold & silver refining business has enabled mutual technology transfer and utilization on a global level. Through maximization of technical integration and synergy within the Group, we aim to globally establish "Asahi technology" that meets customer needs in terms of quality, cost, and delivery.

## Finishing



### Our Reliable Quality is highly-regarded in Japan and Overseas.

Asahi Pretec is a full-fledged member of the Japan Gold Metal Association and its gold, silver, platinum and palladium metals are recognized as brand products for the delivery supply of the Tokyo Commodity Exchange. Additionally, those metals are highly regarded in the global market for their reliable quality, with gold and silver being recognized by the London Bullion Market Association (LBMA), and platinum and palladium being certified by the London Platinum and Palladium Market (LPPM) as good delivery bars. Gold and silver metals of Asahi Refining are also certified by LBMA as good delivery bars.



So that our customers around the world can use our gold products free from concerns, we have established a control system in accordance with guidance from the OECD, the LBMA, and so on regarding non-purchase and non-use of conflict metals<sup>1)</sup>, with inspection and certification<sup>2)</sup> by global third-party organizations.

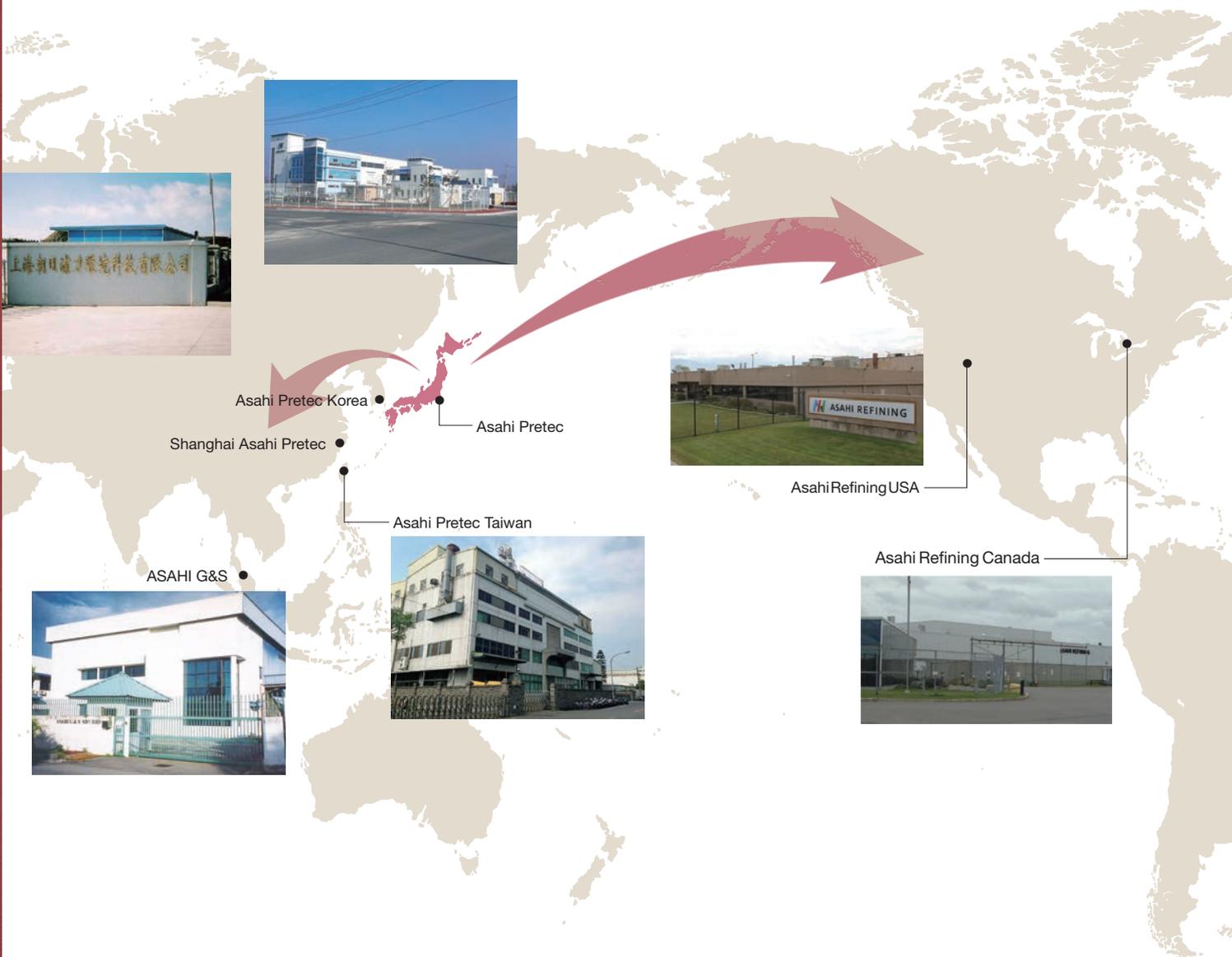
<sup>1)</sup> Conflict metals can be defined by any conflict minerals derived from countries or regions, in which any inhumane acts such as conflicts, human trafficking, slavery, force labor, child abuse, war crimes, terrorist activities, or any fraudulent activities such as money laundering, which can become a source of war chests.

<sup>2)</sup> URL: <http://www.lbma.org.uk/>

**We have established the best precious metals technology in Japan and the rest of Asia and built a broad network. We consistently work to expand and better it, in terms of both geographic area and technology fields.**

## GLOBAL BUSINESS LOCATIONS

At the Asahi Holdings Group, we have been expanding our Asian bases in the precious metal business since 1994. In Asia, "the world's factory," we have established and expanded precious metal recycling business in the electronics industry and other industrial fields using technology cultivated in Japan and methods rooted in local markets. In March 2015, we obtained a base in the North American refining business (Asahi Refining). This enables not only expansion of area, but also business development utilizing locations in Japan, Asia, and North America.





## RESEARCH & DEVELOPMENT

### The "Technical Research Center" pursuing unique R&D

For "recycle of precious metals and rare metals" and "detoxification and recycling of industrial wastes", we have promoted proprietary research and development with analytical technology improvement. The Technical Research Center was established in Kobe High-Tech Park as the nucleus of R&D. We are looking to take even greater strides forward as a company that contributes to society through improvements in quality and technical innovation.



### R&D

We anticipate the demand of our customers and strive to create new products and business through the application of the accumulated elemental technologies and the development of new technologies.

- (1) Technology for separating and refining of precious and rare metals
- (2) Environmental preservation and resource recycling technology
- (3) Precious metal molding and refining technology



### Assay

As Asahi Holdings Group's core assay function, we support a diversity of corporate activities using the latest assay equipment and high-level assay technology. In addition, we play an important role in maintaining and enhancing the trust with our customers and client companies.

- (1) Development of new assay technology
- (2) Technical guidance for assay groups at each plant and sales office
- (3) Purity assay of precious metal products and dental alloys
- (4) Environmental analysis of issues such as factory wastewater discharges
- (5) Environmental measurement certification



### Engineering

Using cutting-edge technology, experts from each business area design, produce, construct and provide maintenance of facilities in domestic and overseas subsidiaries, helping to support safe and stable operation of the facilities.

- (1) Design, production, construction and maintenance of facilities and buildings
- (2) Maintenance control of existing facilities
- (3) Installation of precious metals collection facilities for our customers and after-sales service



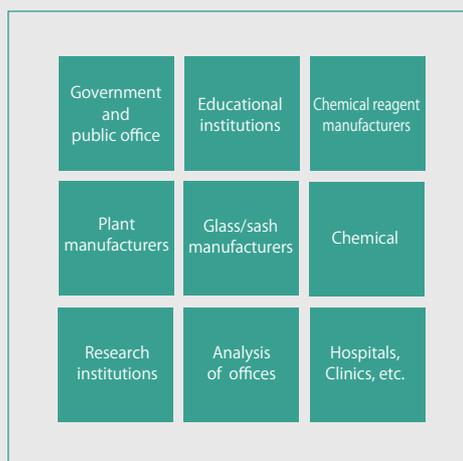
# Environmental Preservation Business

Working as waste disposal experts towards the realization of a sustainable, recycling-oriented society.

We detoxify and properly dispose of each type of waste, contributing to the solution of geoenvironmental issues. Group companies under the umbrellas of Asahi Pretec and Japan Waste meet diverse customer needs through the provision of unique technologies cultivated over many years.



## Business sectors



## Licenses acquired by our Group (As of March 31, 2017)

Industrial waste collection transportation license: All prefectures and government ordinance cities  
 Industrial waste disposal license: 13 prefectures and 9 government ordinance cities  
 Specially-controlled industrial waste collection transportation license: All prefectures and government ordinance cities  
 Specially-controlled industrial waste disposal license: 11 prefectures and 8 government ordinance cities  
 Certified company as the environmentally sound management of hazardous wastes: (Asahi Pretec) All prefectures and government ordinance cities (Japan Waste) 27 prefectures and 3 government ordinance cities

In April 2011, laws concerning industrial waste management were revised and a recognition system for excellent industrial waste management companies was newly created. Prefectures and government ordinance offices select companies which conform to their strict standards such as ability for implementation of operations, actual performance, etc. Our group companies will pursue for acquiring the certification to organize our systems so that customers can contract business without anxiety.

## 01. Business fields supporting recycling

# We develop one-stop solution for various wastes within our group.

### Recycling of waste oil and sludge



Based on analysis results, various kinds of waste oil and liquid waste are blended in an optimal formula, and the ingredients are adjusted to produce supplementary fuels used in cement production and waste incineration. Furthermore, sludge and burnt residues are also recycled into cement materials by adjusting their ingredients and moisture and by kneading. Thoroughgoing analysis is also performed upon receiving and shipping for its quality maintenance control as qualified recycled materials.

### Wood waste recycling



Wood chips made from crushing demolition wastes and other wood wastes are recycled into biomass generation fuels and particle-boards.

### Fire-proof brick recycling



Disused fire-proof bricks produced from demolished furnaces of glass manufacturing and periodic repair work of incinerators are carefully separated and treated with the aim of recycling for reuse as fire-proof bricks and paving materials.

### Glass recycling



We collect sheet glass and glass bottles from glass manufacturers, sash manufacturers and local municipalities. Sheet glass scraps and glass bottles collected are reused and sold for high-quality glass cullet after separation and crushing at our plant. Through glass recycling, we are helping to prevent exhaustion of mineral resources and reduce the environmental burden.

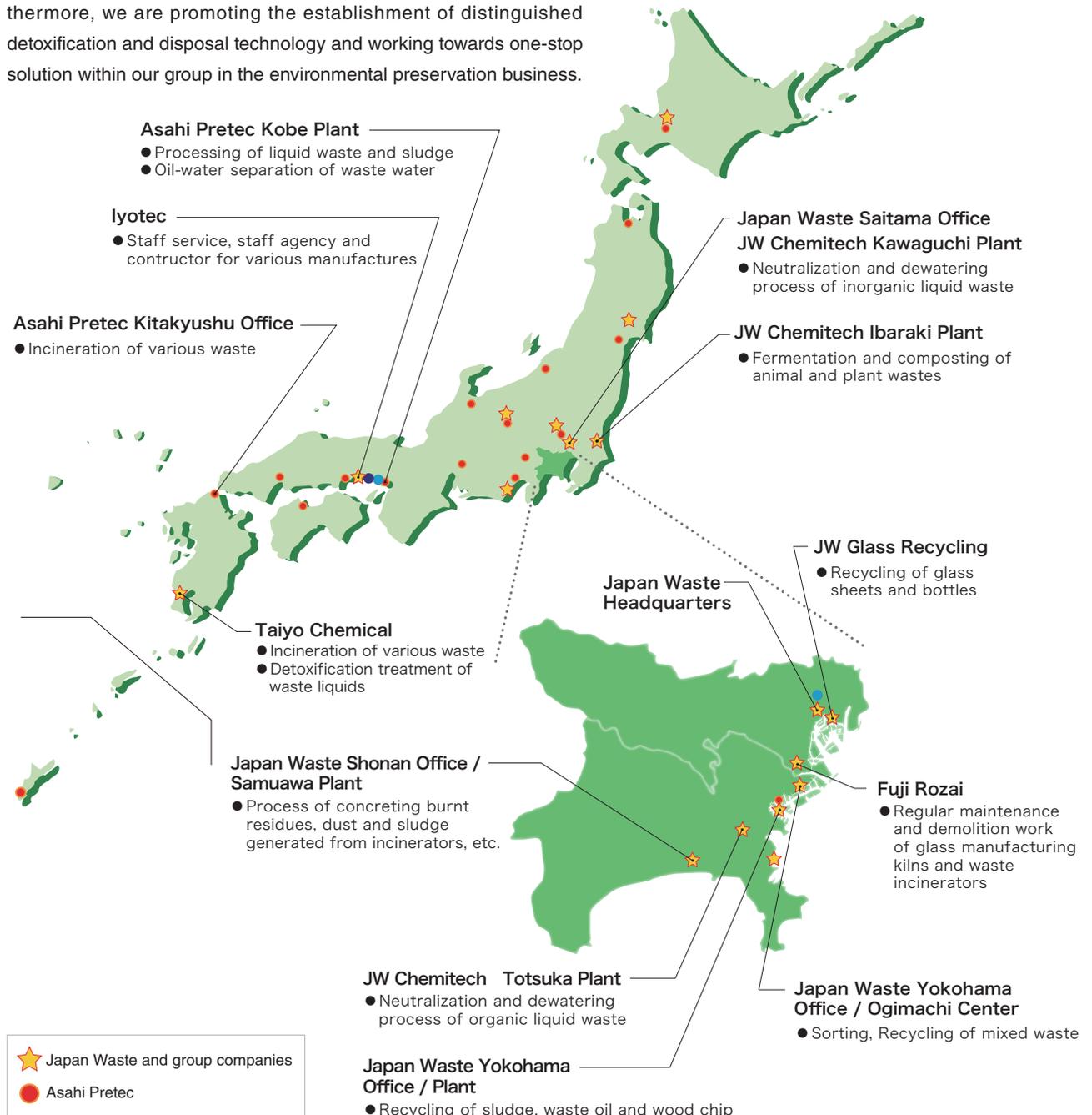
### Organic waste liquid and sludge recycling



Organic food waste liquids discharged from food manufacturing plants and restaurant chains are neutralized and dewatered. The filtered liquid is purified by microbial treatment to less than the emission standard value and then discharged into sewers. Sludge, after composting through fermentation and maturing process, are made an effective use by farmers as organic fertilizer.

# Striving for providing high-value added services in a variety of field, we promptly meet the diversified and sophisticated needs of our customers through disposal technology that is especially suited to each industry.

We have acquired permission for the collection, transportation, and intermediate treatment of most articles of industrial waste and specially controlled industrial waste, and have created a structure that allows us to dispose of such waste appropriately and promptly. Furthermore, we are promoting the establishment of distinguished detoxification and disposal technology and working towards one-stop solution within our group in the environmental preservation business.



### 03. Technology that creates trust

## Pursue new possibilities with our own unique technologies.



### Excellent technology make various treatment.

#### ● Treatment of Specified Hazardous Waste Acid, Waste Alkaline and Waste Reagents

It is necessary to appropriately treat waste acid and waste alkaline discharged from plants and business offices and waste reagents which are unnecessary at laboratories and institutes of universities and private companies. These various kinds of waste are treated for detoxification in the dedicated facilities at each plant by utilizing technology which has been cultivated over many years by our group under thorough safety management procedures. Waste is separately stored in containers in accordance with classification standards of our group and measures are taken to prevent abnormal reactions during collection, transportation and storage. We analyze and provide appropriate treatment of waste reagent with a bottle being peeled off label, which precludes the gauge of the content.

#### ● Concreting of Hazardous Substances

Some wastes from incinerators that contain burnt residues, dust, sludge and harmful substances (heavy metal such as arsenic, lead, chrome, selenium, etc. and dioxin.) may not be suited for recycling. We process concrete with waste into a solidified form (insoluble) in such a way that harmful substances will not be eluted. We possess original facilities and technologies that prevent harmful substances from eluting into the natural environment even under powerful acidic conditions.

#### ● High-Speed Microbial Treatment of Waste Acid/Alkaline and Sludge

After removing hazardous substances from waste liquids from plants and offices, even if liquids contain nitrogen and phosphorus, they are detoxified and purified to under environmental management standards value for water discharge by our original technology, such as microbial treatment, etc., and are discharged. In particular, energy consumption and CO<sub>2</sub> emissions are lower than the ones of other treatment methods. Sludge after neutralization and dewatering of waste liquids are reused for raw materials of non-ferrous metals and steel. Some sludge which cannot be recycled is sent for landfill disposal.

#### ● Safe and hygienic incineration which can treat specially-controlled industrial wastes

Labor-saving operation is realized by central control of each automated equipment. In addition, medical wastes are treated safe and hygienic way by casting into the furnace through specialized automatic provision line.

We can treat various kinds of industrial wastes, which can be solid to fluid, efficiently and precisely.

### Processes of industrial waste disposal and recycling

#### Collection and transportation

##### ● Industrial waste

18 articles, including waste acids, waste alkalis, waste oil, sludge, waste plastics, etc.

##### ● Specially controlled industrial waste

17 articles of waste, such as waste acids, waste alkalis, waste oil, sludge and infectious waste, which all contain specified toxic substance.

#### Intermediate treatment

- Neutralization
- Condensation and precipitation
- Concentration
- Dewatering
- Cyanide decomposition
- Oil-water separating
- Incineration
- Neutralization, Mixing
- Drying
- Sorting, compressing, crushing
- Kneading
- Concret solidification



Waste effluent treatment facility



Incinerator

Recycle

Landfill

# Life & Health Business

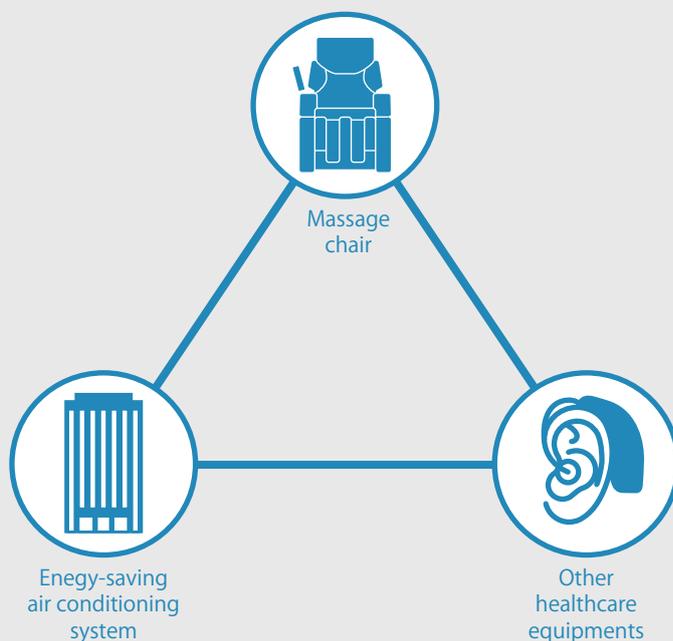
By “Providing equipment and systems for better life and health”, we meet the current needs of our society due to rising health conscious trends and aging population.

Contributing to people's pleasant lifestyles and good health

We, the Asahi Holdings Group, in order to meet the needs of a society that is aging and increasingly concerned with health, as is expected in Japan, and to help people achieve pleasant lifestyles and good health, aim to grow our life and health business through a three-company network centered on Fujiiryoki, which joined the Group in 2014. We shall carry out aggressive business development, including global markets, of this third pillar of the Asahi Holdings Group's sustained growth.



## Life & Health



### Network of Life & Health Business

From Hokkaido in the north to Okinawa in the south, we have 33 locations in Japan. We are working to integrate the three companies' business bases and create maximum synergy in order to provide our customers with life and health solutions that support their pleasant living environments.

## 01. The foundation supporting business

**FUJI MEDICAL INSTRUMENTS MFG. CO., LTD.**

- Incorporated into our group in Jul 2014
- Headquarters : Osaka City, Osaka
- Factory : Minamikawachi, Osaka
- Sales Office : 22 locations in Japan
- Business Line : Manufacturing and sales of massage chair , and other healthcare products such as hearing aids



Osaka Factory



Electrolytic hydrogen water generator



Hearing aids



The world's first commercialized massage chair in 1954 was authorized as "the Mechanical Engineering Heritage" in August 2014.

**INTER CENTRAL, INC.**

- Incorporated into our group in Jul 2012
- Headquarters : Takizawa-City, Iwate
- Factory : Takizawa-City, Iwate
- Research Lab : Takizawa-City, Iwate
- Sales Office : Hokkaido, Iwate, Akita, Miyagi, Tokyo, Aichi, Osaka, Fukuoka
- Business Line : Manufacturing and sale of heating equipment, Design and construction of radiant air-conditioning system



## Examples of installation



Ceiling Radiant Air-Conditioning System



Floor Radiant Air-conditioning System



Electric heater

**KOEIKOGYO CO., LTD.**

- Incorporated into our group in Mar 2014
- Headquarters : Yokohama-City, Kanagawa
- Office : Chiyoda-ku, Tokyo
- Business Line : Design and construction of facilities for fire-prevention, air-conditioning and sanitation



## 02. Expansion of business fields

# We develop products which can meet social needs by using technology cultivated in many years.

### Products development for women

The new beauty and healthcare product brand "mashua" was developed by women for women, with the full functions enabled by a specialist manufacturer's technology and the good taste created by women's sensibility.



It is a foot air massager with the know-how of a massage chair manufacturer incorporated into a compact body. With 14 air bags installed in total, it is worn like boots to cover the leg and foot below the knee, closely wrapping them from the calf, where swelling often occurs, to the tip of the toe. With two automatic settings and a two-level intensity adjustment function, it provides a nice massage for tired legs and feet.

When not in use, it stores in a cute case that looks like a marshmallow and has a pleasant-to-touch brushed surface. Furthermore, it comes in three color variations preferred by many women.



### A slim body with full massage technology

### Powerful seat massager brought to you by the massage chair pioneer



With its easy-to-carry, compact design, you simply lay the seat massager on a chair or sofa to use it.

Motion range of kneading heads covers 60cm, which length is the longest in the industry. It covers a wide range of points, from neck to shoulders, to upper and lower back, to hips.

Three motors with our unique technology move the kneading beads, for massaging, tapping, and up-and-down motions. Users can set the strength to their preferences and concentrate the massage action where they need it most. In addition to a heater to warm up users while they enjoy a massage, the seat massager is equipped with a surface vibrator and other technologies of the type one can expect of the massage chair pioneer.



**The ultimate far-infrared heater newly developed by a specialty electric heater manufacturer dedicating all of its technologies**

**S E R A P H Y**

**High efficiency heating by the newly developed “round cut”**

The newly developed “round cut” significantly increases the surface area of the heating element, and far-infrared radiation reaches every corner of the room.

**Easy to use, convenient functions**

Power and timer can be set by simple operations that are easy enough for children and elderly people to use.

**Safe design**

Equipped with an excessive temperature rise prevention device, the heater will be automatically turned off when you forgot to turn it off (after 10 hours of no operation).

Covered by a guard which prevents accidental burning. If the heater becomes tilted or falls over, the power off function kicks in and turns the power off.



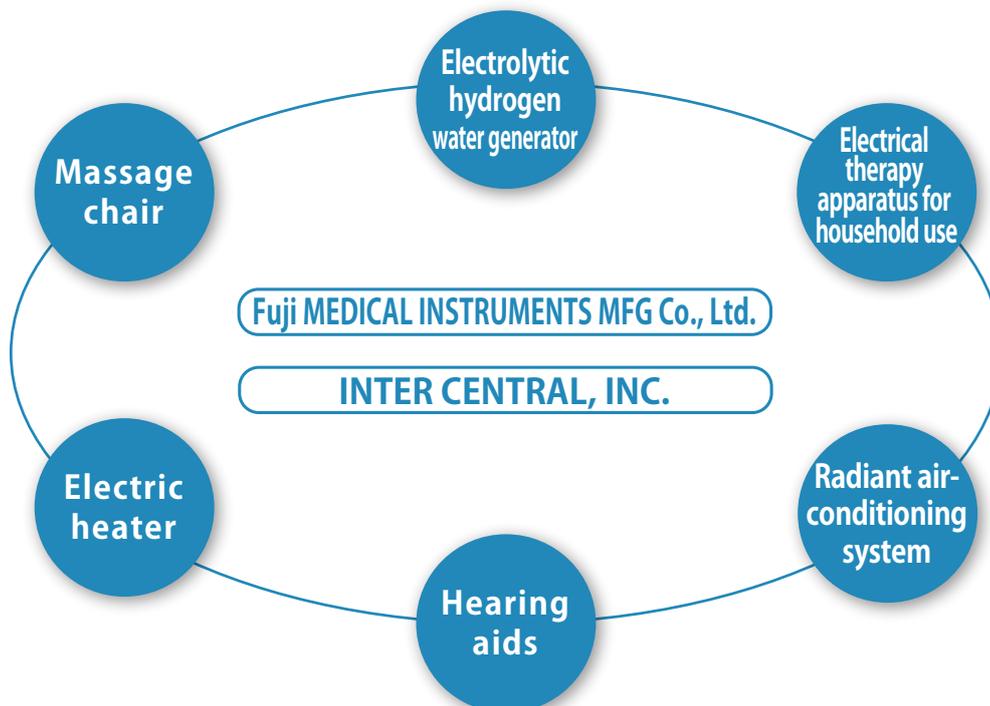
**Comfort** The windless system does not raise dust and keeps clean air

**Beauty** Prevents dry air and provides gentle warmth

**Health** Far infrared ray warms a body to the core evenly

**We are providing these products in life & health business segment**

Fujiiryoki and Inter Central will contribute to society by providing machines and equipments as shown below, which support comfortable life and health.

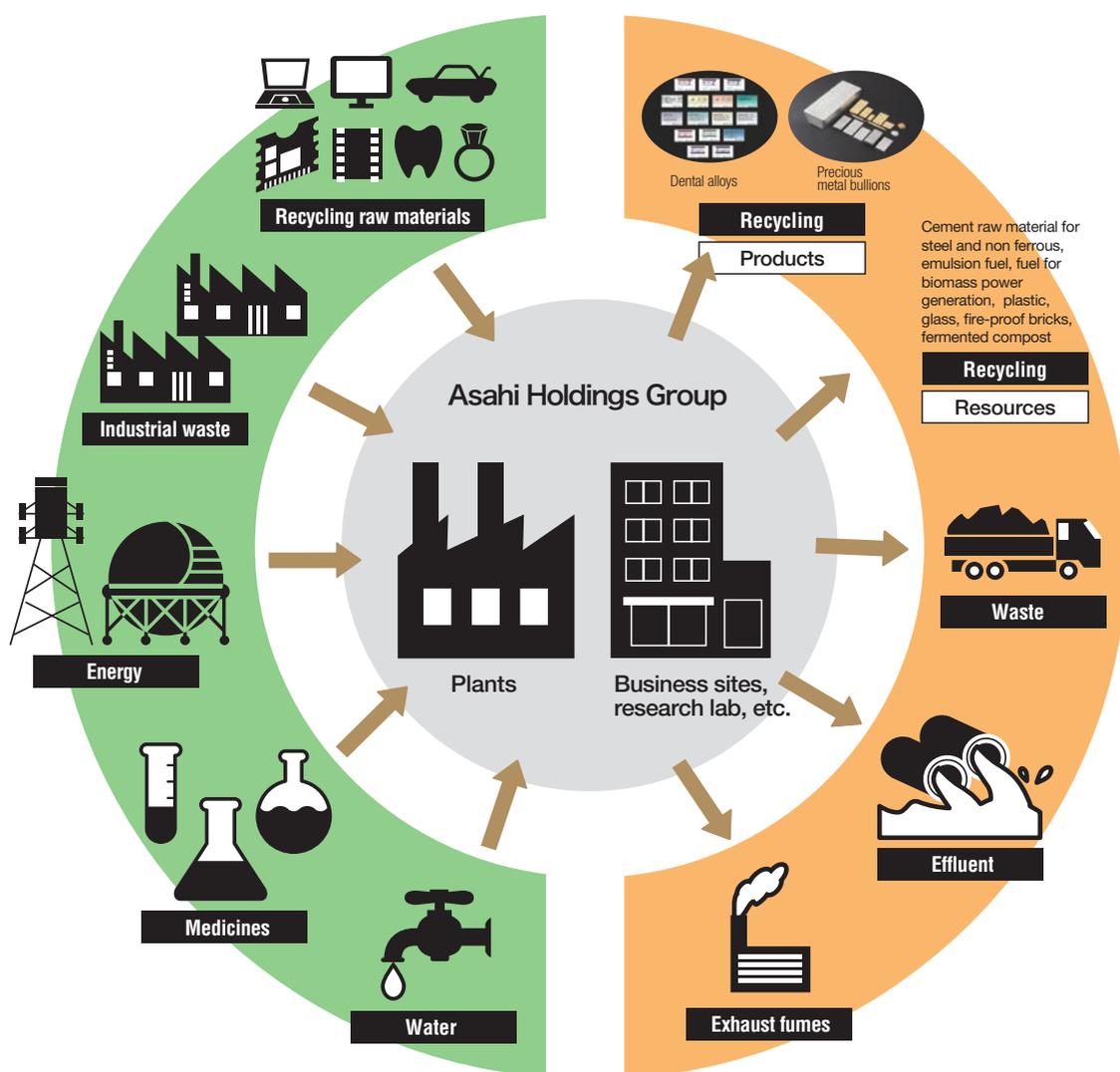


# Environmental Activities

## The Asahi Holdings Group is creating a cycle that contributes to the Earth's environment through business activities.

In order to globally develop our corporate activities as a leading company in the environmental field, we should also be a leader in our environmental activities. Not just actively promote ISO 14001 activities but we also implement our longstanding value "Innovation and Challenge" in our environmental activities such as initiatives on global warming and energy conservation.

We aim to be a company that gives all stakeholders peace of mind.



# Environmental Management

## Environmental Policies

We will contribute to the environmental preservation of the earth and establish a sound material-cycle society through the company’s businesses on recycling of precious and rare metals and industrial waste treatment.

- (1) In all business activities we will strive to conserve resources and energy and reduce, reuse, and recycle waste to minimize the environmental burden.
- (2) We will promote the recycling of resources of precious and rare metals to achieve a more effective use of the limited resources of the earth.
- (3) We will adequately and safely perform our operations for the collection, transportation, and treatment of industrial waste to prevent environmental pollution.
- (4) We will prioritize a harmonious coexistence with nature and regional communities. We will strictly follow the relevant environmental laws and regulations and other requirements which we recognize.
- (5) We will establish environmental objectives and targets and periodically review them to continue improving our activities.
- (6) We will educate all our employees and increase their environmental awareness as members of the community, promote their understanding of environmental preservation activities, and participate in such activities.

These environmental policies shall be conveyed to all of our employees and all those working for the company and announced to the public as our commitment.

### ISO14001 Approval Status

Asahi Pretec has acquired ISO14001 Certificate at 21 locations. Consequently, our domestic bases have acquired ISO14001 Certificate at 7 companies with 32 locations. We will continuously develop ISO14001 maintenance and improvement activities by promoting the integration of our operation and ISO14001 Certificate.



ISO14001 Certificate

### Environmental Management Promotion System

Our “Company-wide Environmental Goals (annual plan)” is developed based on the Environmental Policy that establishes our environmental preservation philosophy. According to the above established purposes and goals, each domestic bases with ISO14001 develops its own “Annual Environmental Goals” and implements environmental preservation activities closely related to their business tasks. Furthermore, the Environment Committee of each center abides by the regulations set by the environmental law, revises plans and examines environmental education, etc. and provides reports to the management. While the ISO Office controls the environmental management system (EMS), an environmental preservation supervisor is assigned for each business office as an aim to implement thorough promotion of environmental activities.

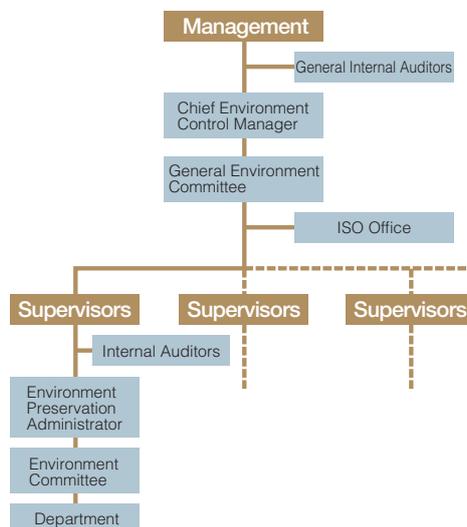
### ISO14001 Environmental Audits

Regular inspections are carried out on the state of compliance with specifications by an external examining authority for ISO14001 activities. Moreover, internal environmental audits are conducted at least once a year at business sites in order to ensure that EMS is being properly administered.



Regular External Audit

### Environmental management structure



## Environmental Performance

The energy, resources (water), chemicals, and etc, used in our precious metal, environmental preservation, life & health business activities are listed as “INPUT” data, while the environmental burdens given off from performing business activities with the substances are listed as “OUTPUT” data.

Although we tried to reduce the amount of energy usage by reviewing the production efficiency and the disposal process, the CO<sub>2</sub> emission amount of domestic group companies remained at the same level as the previous year due to the increase in fuel consumption through the business expansion.

### INPUT

	Unit	FY2012	FY2013	FY2014	FY2015	FY2016
Electricity	MWh	23,035	22,963	23,292	22,170	21,807
Heavy oil	kl	891	739	681	920	1,061
Kerosene	kl	451	449	474	462	498
Light oil	kl	3,176	3,241	3,430	3,476	3,567
Gasoline	kl	928	917	1,948	1,990	1,716
Urban gas	1,000 m <sup>3</sup>	13	12	13	12	10
LPG	t	19	13	13	12	13
Water	1,000 m <sup>3</sup>	336	322	342	338	326
Chemical, etc.	t	13,140	12,688	14,408	13,455	11,925

### OUTPUT

	Unit	FY2011	FY2012	FY2013	FY2014	FY2015
CO <sub>2</sub> emissions	t	25,474	26,946	29,992	29,731	28,355
Effluent*	1,000 m <sup>3</sup>	217	191	214	202	212
Waste	t	16,048	15,517	17,257	16,133	14,736

\* Purified until under environmental management standards values for discharge.

## Environmental Accounting

For the promotion of environmental management, we have introduced environmental accounting since FY2005 and publicly disclose costs related to environmental preservation. These are prepared in accordance with the Environmental Accounting Guidelines of the Ministry of the Environment.

### ● FY2016 Environmental Preservation Costs

\*Total cost of domestic group companies (Unit: million yen)

	Category	Major Initiatives	Expenses	Investments
1. Cost within business areas	1. Cost of preventing pollution	Cost of preventing pollution Control and maintenance of gas emission facilities, water drainage, and etc.	273.06	23.50
	2. Cost of protecting the environment	Energy conservation activities (power-saving, environment improvement of fuel-efficiency for vehicles, and etc.)	22.76	24.47
	3. Cost of recycling resources	Entrustment of industrial waste treatment	215.92	0.00
2. Cost of upstream and downstream		—	0.00	0.00
3. Cost of management activities		ISO14001 management activities Disclosure cost of environmental information	45.31	0.00
4. Cost of research and development		Improving efficiency for the precious metal refining process Decreasing the volume of landfill disposal	7.40	0.00
5. Cost of social activities		Clean up activities in the neighboring communities	7.42	0.00
6. Cost of handling environmental damages		—	0.00	0.00
<b>Total</b>		—	<b>571.87</b>	<b>47.97</b>

## Results of Saving Exhaustible Natural Resources, Recycling

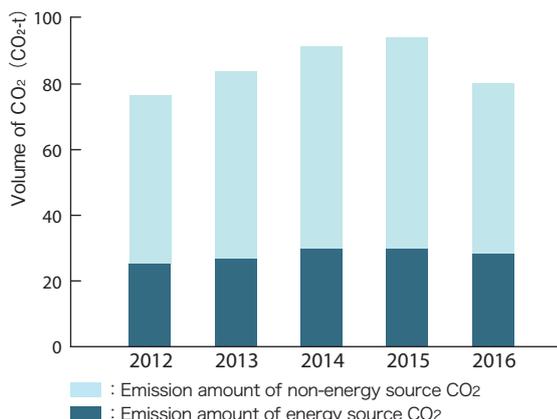
Through recycling all kinds of raw materials, we are cutting back on the amount of natural resources (precious metals, non-ferrous metal ores, agalmatolite, quartz sand, plaster, forests, etc.) that are being mined or felled, thus contributing to the protection of the global environment. And the zero-emission initiatives in customers led to decrease of recyclable waste volumes, but we try to promote recycling of waste oil and improvement of waste sorting. Consequently the recycling rate in FY2016 was 73.9%.

<p>■ Precious Metal Ores (Precious Metal Recycling)</p> <p><b>2,005.5</b> Kt /year</p>	<p>■ Fossil Fuels (Effective Use of Waste)</p> <p><b>9.0</b> Kt /year</p>	<p>■ Timber (Construction Waste Recycling)</p> <p><b>18.5</b> Kt /year</p>	
<p>■ Glass cullet (bottles, waste glass sheets)</p> <p><b>86.1</b> Kt /year</p>	<p>■ Fermented compost (Food wastes, organic sludge)</p> <p><b>14.1</b> Kt /year</p>	<p>■ Non-ferrous metals materials (Liquid waste containing metals)</p> <p><b>4.7</b> Kt /year</p>	<p>■ Refractory brick paving materials (Furnace waste materials)</p> <p><b>5.2</b> Kt /year</p>
<p>■ Scrap metals (Construction metal scrap, OA equipment)</p> <p><b>3.1</b> Kt /year</p>	<p>■ Fuels/raw materials for cement (Plastic waste, waste oil/liquid waste, wood chips, sludge)</p> <p><b>4.7</b> Kt /year</p>	<p>■ Clay waste</p> <p><b>25.6</b> Kt /year</p>	<p>■ Emulsion fuels</p> <p><b>4.8</b> Kt /year</p>

## Global Warming Prevention Efforts

### Greenhouse Gas Emissions

(Net emissions\*: production, transportation and offices, etc.)



CO<sub>2</sub> emission of our domestic group companies in FY2016 was 80,000t and decreased by 15% year-on-year. The non-energy source CO<sub>2</sub> emission amount decreased by 20% year-on-year due to the decrease of the incineration amount of the industrial waste. The energy source CO<sub>2</sub> emission decreased by 5% due to activities by all group companies and reduction of the CO<sub>2</sub> emission factor by electric utilities.

\* Calculation of Greenhouse Gas Emission Volume (comply with Law Concerning the Promotion of the Measures to Cope with Global Warming)

### Solar Power Generation System



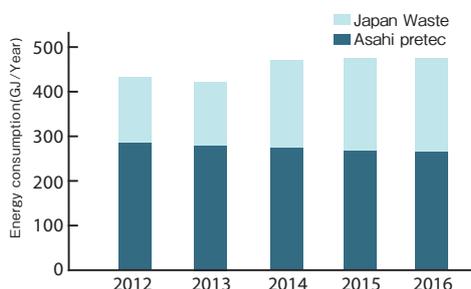
Explanation of electric generation condition via monitor

Asahi Pretec Hanshin Office is selling all amount of the power generation to Kansai Electric Power Co. Total power generation in FY2016 was 114,000kWh, which comes to about 57,000t converted into the amount of CO<sub>2</sub> reduction. Trying to absorb the same annual amount of CO<sub>2</sub> through the forest of Japanese cedar, it would require about 4,0700 pieces of matured tree to cover the amount.

## Energy-Saving Effort

### Energy Consumption

(production, transportation and offices, etc.)



The amount of energy consumption of our domestic group companies remained at the same level as the previous year. In Asahi Pretec, the amount of the energy consumption decreased by 0.50% year-on-year through the following measures;

= Examples of measures =

\*Introduction of LED lightning system

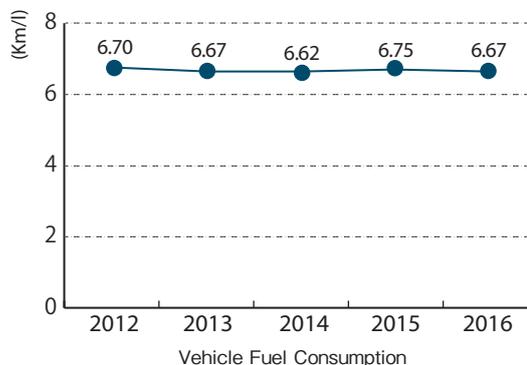
\*Replacement of air-conditioning system (Fukuoka, Hanshin Office etc.)

### Specific Energy Consumption compared to FY2010 (Asahi Pretec)



In Environmental Preservation Business, specific energy consumption was improved by 1% year-on-year due to increased disposal volumes, the improved incinerator operations and newly installed energy-saving facilities.

### Vehicle Fuel Consumption (Asahi Pretec)



We promoted to drive ecologically by using drive recorder, and saved energy to improve transport efficiency by reviewing routes of collection. In spite of increase of loading volume which reduced transport efficiency, we kept the level in FY2016 as the same of previous year.

# Relationship with our stakeholders

We continue making our social contributions through various activities as a good corporate citizen that should coexist in harmony with society.



## With our customers



### ● Risk management for information leakage

The leading-edge security measures are built in PCs and tablet-type devices used by sales persons. In case of the property loss or theft, we can reduce the possibility of information leakage close to as zero by means of deleting the information through remote operation, and etc.

## With our communities



### ● Social contributions through business activities

As cooperative company, we have participated in the social project "TOOTH FAIRY", promoted by the cooperation of Nippon Foundation and Japan Dental Association.

Some of profits obtained from sales of the recycled precious metals are made available as funds to assist the activities of each organizations.

We also support specified nonprofit corporation Médecins du Monde Japon and Japan Cleft and Plate Foundation which provides medical support activities.



## With our shareholders, investors

In order to meet expectation of share holders and investors, we disclose our corporate information timely and appropriately . In addition, starting with the mid-term business plan, we explain our vision and management policy in understandable way.

\*Please refer to page 6 for our financial data.

## With our employees



### ● Creating better working environment

It is important for employees to go through life with showing one's ability to the fullest and achieving a good balance between challenging assignments and fulfilling personal life, which is also necessary for the company. The important things in one's personal life diversify according to individual values such as family, health, sports and hobbies. We support all employees, as a corporate, in order for them to have a balance between private and work life.

**Holiday for Refreshment** Employees are encouraged to take consecutive days holiday like 5 days off. Through this system we support employees' work life balance.

**Flexible Working Hours System** Under flexible working hours system, employees can adjust their fixed working hours according to fluctuations in business.

**Self-report system** Once a year, employees are asked to fill a form on topics including how effectively they are showing their abilities, their self-assessment of accomplishment and atmosphere in their work place, also are invited to write about their desired career path. The filled out forms are submitted directly to the HR department in order to optimize personnel assignments, improve the work atmosphere, and promote a feeling of rewarding and encouraging work.

# GROUP HISTORY

## The challenge of further growth. Obtaining two new growth engines.

We will tackle the challenge of the future with FY 2014 acquisitions of the gold and silver refining business in North America and Fujiiryoki as engines driving further growth.

### 1952

- 1952** ● Founded Asahi Chemical Laboratory. Started silver recycling business from photographic fixing solutions. The photography industry expanded significantly along with the rapid economic growth, and the demand for silver increased in industries related to silver for photo sensitive materials
- 1968** ● Kobe Plant constructed in Higashi-Nada-Ku, Kobe
- 1969** ● Introduced our own electrolytic silver recycling equipment ahead of the industry, making it possible to recycle silver with efficiency and high purity
- 1974** ● Opened Fukuoka Office. Thereafter followed by offices and plants throughout the country
- 1975** ● Acquired Industrial waste disposal license from Kobe City (Detoxification of Photographic Effluent Treatment) Developed a compact electrolytic silver collection equipment "PLATA"
- 1978** ● Completed Head Office building in Higashi-Nada-Ku, Kobe  
Registration of environmental measurement certification office
- 1982** ● Launched precious metal recycling business in the field of dental.  
Determined the diversification of precious metal recycling business foreseeing the reduction of the photo effluent treatment market

### 1984

- 1984** ● Launched precious metal recycling business in the field of plating solution
- 1986** ● Launched precious metal recycling business in the field of electronics components and jewelry  
Developed compact electrolytic gold collection equipment "ZIPANG"
- 1990** ● Entered into environmental preservation business other than photographic effluents
- 1994** ● Established ASAHI G&S SDN. BHD. in Malaysia
- 1997** ● Merged five group companies and changed their names into Asahi Pretec Corp.
- 1998** ● Transferred headquarters operations to Sannomiya, Kobe City  
Established Technical Research Center  
Started manufacturing of dental alloy
- 1999** ● Acquisition of ISO9002 certification with Technical Research Center  
(Changed registration to ISO9001 in 2002)  
Made initial public stock offering on over-the-counter market
- 2000** ● Acquisition of ISO14001 certification with Technical Research Center  
Listed on the 2nd Section of the Tokyo Stock Exchange



2002

2011

2017

- 2002 ● Promoted to the 1st Section of the Tokyo Stock Exchange  
The 50th Anniversary
- 2003 ● Established Shanghai Asahi Pretec Co., Ltd. in China
- 2004 ● Acquired Nihon Chemitech Co., Ltd.
- 2005 ● Expanded auto-catalyst recycle business
- 2006 ● Acquired Iyotec Co., Ltd.  
Established Asahi Pretec Korea Co., Ltd. in Korea
- 2007 ● Established the Tokyo Head Office in Marunouchi, Chiyoda-ku, Tokyo  
Acquired Taiyo Chemical Co., Ltd.
- 2008 ● Established Japan Waste Corporation  
Acquired Fuji Rozai Co., Ltd.
- 2009 ● Established Asahi Holdings, Inc.
- 2010 ● Acquired Ecomax Co., Ltd.  
Opened Yokohama Office of Japan Waste Corporation  
Established Jungju Factory of Asahi Pretec Korea Co., Ltd. and launched dental business in Korea

- 2011 ● Launched E-scrap business
- 2012 ● Acquired INTER CENTRAL, INC.
- 2013 ● Established Asahi Pretec Taiwan Co., Ltd. in Taiwan  
Established Taiwan Factory of Asahi Pretec Taiwan Co., Ltd.
- 2014 ● Acquired KOEIKOGYO CO., LTD.  
Acquired FUJI MEDICAL INSTRUMENTS MFG. CO., LTD.  
Launched Life and Health business
- 2015 ● Acquired Asahi Refining USA Inc. & Asahi Refining Canada Ltd.

# ASAHI HOLDINGS GROUP COMPANIES

## Asahi Holdings, Inc.

### ● Company Profile

Established : July 1952  
Incorporated : April 2009  
Capital : 4,480 million yen  
Representative : Mitsuharu Terayama (President & CEO)  
Head Office : Nissay Sannomiya Building 16F 4-4-17 Kano-cho, Chuo-ku, Kobe, Hyogo 650-0001 Japan  
TEL:+81-78-333-5633 FAX:+81-78-333-5681  
Sapia Tower 11F 1-7-12 Marunouchi, Chiyoda-ku, Tokyo 100-0005 Japan TEL:+81-3-6270-1833 FAX:+81-3-6270-1859  
Number of Employees (consolidated) : 1,961 (As of March 31, 2017)  
URL : <http://www.asahiholdings.com/english/>

## Asahi Pretec Corp.

### ● Company Profile

Business line : Precious metals / rare metals recycling and industrial waste treatment  
Representative : Tomoya Higashiura  
Headquarters : Nissay Sannomiya Building 16F 4-4-17 Kano-cho, Chuo-ku, Kobe, Hyogo 650-0001 Japan  
TEL:+81-78-333-5600 FAX:+81-78-333-5681  
Sapia Tower 11F 1-7-12 Marunouchi, Chiyoda-ku, Tokyo 100-0005 Japan TEL:+81-3-6270-1820 FAX:+81-3-6270-1825  
Number of Employees : 852 (As of March 31, 2017)  
URL : <http://www.asahipretec.com>

#### Domestic Business Locations

- Research laboratory : Technical Research Center (Kobe)
- Plant : Saitama, Nagano, Amagasaki, Kobe, Technical Research Center, Ehime, Fukuoka, Kitakyushu, Kitakyushu Hibiki
- Business Office : Sapporo, Aomori, Sendai, Niigata, Kitakanto, Kanto, Yokohama, Kofu, Nagano, Shizuoka, Nagoya, Hokuriku, Hanshin, Kobe, Okayama, Hiroshima, Shikoku, Fukuoka, Kitakyushu, Kagoshima, Okinawa

#### Overseas Bases

- Asahi Pretec Korea Co., Ltd.
- Shanghai Asahi Pretec Co., Ltd.
- Asahi Pretec Taiwan Co., Ltd.
- ASAHI G&S SDN. BHD.

## Japan Waste Corporation

### ● Company Profile

Business line : Industrial waste treatment and other environmental preservation businesses  
Representative : Yoshikatsu Takeuchi  
Headquarters : Sapia Tower 11F 1-7-12 Marunouchi, Chiyoda-ku, Tokyo 100-0005, Japan  
TEL +81-3-6270-1828 FAX+81-3-6270-1839  
Number of Employees : 759 (As of March 31, 2017)  
URL : <http://www.japanwaste.co.jp>

#### Subsidiaries

- JW Chemitech Co., Ltd.
- Taiyo Chemical Co., Ltd.
- Iyotec Co., Ltd.
- FUJI MEDICAL INSTRUMENTS MFG. CO., LTD.
- Nihon Chemitech Logitem Co., Ltd.
- Fuji Rozai Co., Ltd.
- INTER CENTRAL, INC.
- JW Logistics Co., Ltd.
- JW Glass Recycling Co., Ltd.
- KOEIKOGYO CO., LTD.

## Asahi Americas Holdings, Inc.

### ● Company Profile

Business line : North America gold&silver refining business  
Representative : Tomoya Higashiura  
Headquarters : Sapia Tower 11F 1-7-12 Marunouchi, Chiyoda-ku, Tokyo 100-0005 Japan  
TEL:+81-3-6895-1900 FAX:+81-3-6270-1859  
Number of Employees : 294 (As of March 31, 2017)

#### Subsidiaries

- Asahi Refining USA Inc.
- Asahi Refining Canada Ltd.

# ASAHI WAY

—— “Doing Our Part to Protect the Natural Environment and Resources” ——

## Our Credo

---

To preserve the environment and protect earth’s natural resources, entrusted to us by future generations, by using original technology and expertise.

## Our Corporate Values

---

Trust and bonds

Safety first: “People's lives” over “Company name”

Innovation and challenge. No need for those without

No growth without profit

## Our Employee Principles

---

Act with courtesy and cheerfulness

Be swift and thoughtful in our work

Immediately report bad news and inconvenient facts

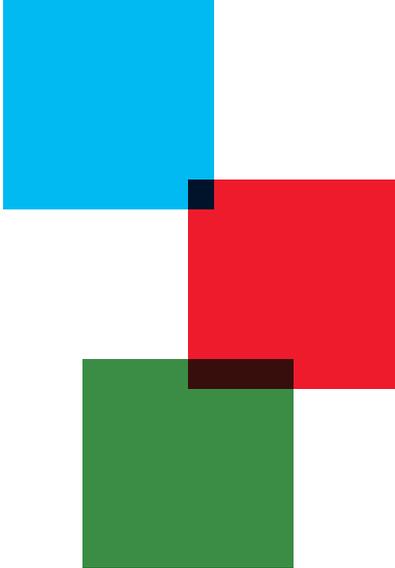
Grow through achieving higher goals

## The Ten Codes of Asahi Holdings Group

---

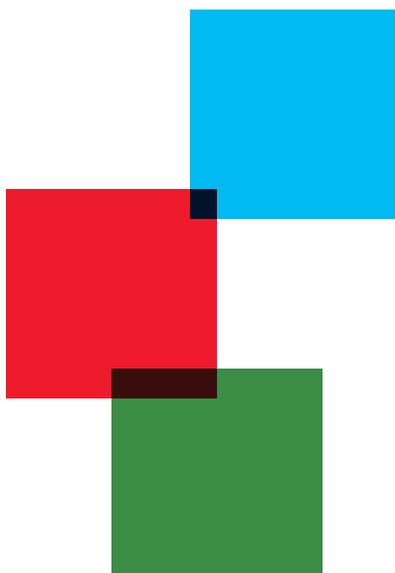
- #1 We will not act in violation of any relevant regulations or standards.
- #2 We will not judge or act in contradiction to social rules, customs, or our own conscience.
- #3 We will not discriminate on the basis of age, race, nationality, or title.
- #4 We will not conduct political or religious activities at the workplace or at work-related venues without permission.
- #5 We will not conduct business or services with clients in a dishonest or inappropriate manner.
- #6 We will not behave in a way that obstructs fair competition or finding ideal business partners in all transactions.
- #7 We will not disclose staff or client information obtained for business purposes, nor will we release unpublished technological, financial or personnel-related information. Furthermore, we will not buy or sell stocks or other financial instruments based on internal or confidential information.
- #8 We will not provide or participate in meals, entertainment or gift-giving for personal gain.
- #9 We will not act or behave in a manner that profits any affiliated individual or group, understanding that all work-related activities are for the greater good.
- #10 We will not overlook the slightest detail, understanding thoroughly actual sites, actual products and actual situations.

Should violations of these codes arise, top management officials at Asahi Holdings Group subsidiaries will resolve them by implementing strict and just measures, even against themselves, while investigating the cause of the incident and striving to prevent similar incidents in the future.



## Asahi Holdings, Inc.

Sapia Tower 11F , 1-7-12 Marunouchi, Chiyoda-ku, Tokyo 100-0005, Japan TEL: +81-3-6270-1833  
<http://www.asahiholdings.com/english/>



### Environmental Consideration in Printing

- Paper : This report uses paper certified by Forest Stewardship Council® (FSC) that includes fiber from responsibly managed forests certified by the FSC®.
- Ink : This report was printed with ink which does not contain volatile organic compounds (VOC).
- Printing : This report has adopted a waterless printing method requiring no dampening water containing alkaline developers or isopropyl alcohol.

