

A close-up photograph of a vibrant green leaf, likely from a plant like a lily. Several clear, spherical water droplets are scattered across the leaf's surface, reflecting light. The background is softly blurred, showing more of the leaf and some distant light spots. A white diagonal line cuts across the right side of the image, separating the green background from the white text area.

2020 VISION

 TAKASAGO

SUSTAINABILITY REPORT 2011



What it means to have 2020 VISION

THE POWER OF **FORESIGHT**, THE STRENGTH OF **INSIGHT**.

Sustaining our business means sustaining our environment and our employees' quality of life.

**TO SUSTAIN. TO SUPPORT.
TO MAINTAIN. TO PROGRESS...**

These ideas form Takasago's foundation as well as our goal. For nearly 100 years, we have upheld them—and worked to fulfill them—every day. By doing work focused on both the good and the greater good, we have sustained. More than that, we have committed ourselves to sustaining our company, our employees and the world around us.

**WE BELIEVE THIS IS THE CORNERSTONE
OF WHAT 2020 VISION IS ALL ABOUT:**

Seeing, at the same moment, what we wanted this company to be and what it has become: a global force for quality and a local force for partnership.

Taken together, this is our vision of sustainability—our vision for our 100th anniversary in 2020 and beyond. To us, it is both a commitment and a concerted, coordinated effort. But most of all it is a story... *Our story.*

OUR TRADITION

Founded in 1920, Takasago International Corporation develops high-quality and innovative products that contribute to cultural and social progress. Because sustainability is one of the foundations of our company, we provide our customers with safe, reliable products that are both environmentally and socially responsible.

We define sustainability as the harmony of environmental protection, economic efficiency and social responsibility, all to help realize the prosperous future we envision. To bring to life our commitment to sustainability, and to work toward achieving environmental, health and safety standards globally, we have designed a comprehensive EHS100 Plan.

To ensure adherence to the plan, Chief EHS Officers stationed around the globe coordinate and manage facilities to reduce our impact on the environment.

The EHS100 Plan includes ISO 14001 certification for all manufacturing, office and laboratory sites. It also calls for

CO₂ emissions to be reduced by 2 percent each year, so that as of 2014 our total CO₂ emissions will be 10 percent below those in 2000.

In recent years, the Great East Japan Earthquake and other natural disasters drew nations together. This shows us that the future lies in globalization. Our bond with Asia is a key element of our future and our unique position as the only global flavor and fragrance company in Asia gives us an opportunity to offer the world something both traditional and modern.

Today, companies are required to be both transparent and conscientious. Traditionally, we have adhered to Sampo Yoshi, an ancient but relevant business philosophy that means “beneficial for all three”: the seller, the buyer and society. We believe this approach generates success and longevity and maintains harmony.

Far from archaic, we believe Sampo Yoshi summarizes the spirit of Takasago: *Do what is right.*



井垣理太郎

Ritaro Igaki
President and Chief Executive Officer





OUR PURPOSE

Our lines of business are an outgrowth of both our purpose and our wish to contribute to society through technology. The flavors and fragrances we create are used in a wide variety of consumer products across the retail landscape, such as:

- Dairy
- Beverages
- Confectionery
- Savory
- Bakery
- Cosmetics
- Personal Care Products
- Home Care Products
- Cleaning Products
- Fine Fragrances

Our fragrances and flavors, which are used in pharmaceuticals and a wide array of other product categories and industries, are our lifeblood. To each we bring a unique set of insights.

Globally ISO 14001 Certified

We understand that our actions today will affect the future. Health, safety and our environment are of utmost importance to us and we pledge to do our part by adhering to our comprehensive Environment, Health and Safety (EHS) 100 plan.

In Phase I of EHS100 (2009-11), all manufacturing sites globally will be ISO 14001 certified. We are also working to reduce CO₂ emissions by 2 percent each year from Phase I to the end of Phase II (2012-14), so that by year 2014 our total CO₂ emissions will be reduced by 10% compared to year 2000.

Our new T-ReCS (Takasago Responsible Care System) is an environmental performance data record management system that precisely records CO₂ emissions. In addition to its essential work, T-ReCS promotes mieruka, a business concept that calls for taking immediate action to alleviate any problem.

Apart from reducing CO₂ emissions, Phase II calls for expanding ISO 14001 certification to global sites beyond manufacturing, including offices, labs and more.



FRAGRANCES

Our expertise lies in marrying Eastern values and Western sensibilities. This translates to a spectrum of fragrances unique to us, infused with distinctive Asian roots and contemporary inspiration.

FLAVORS

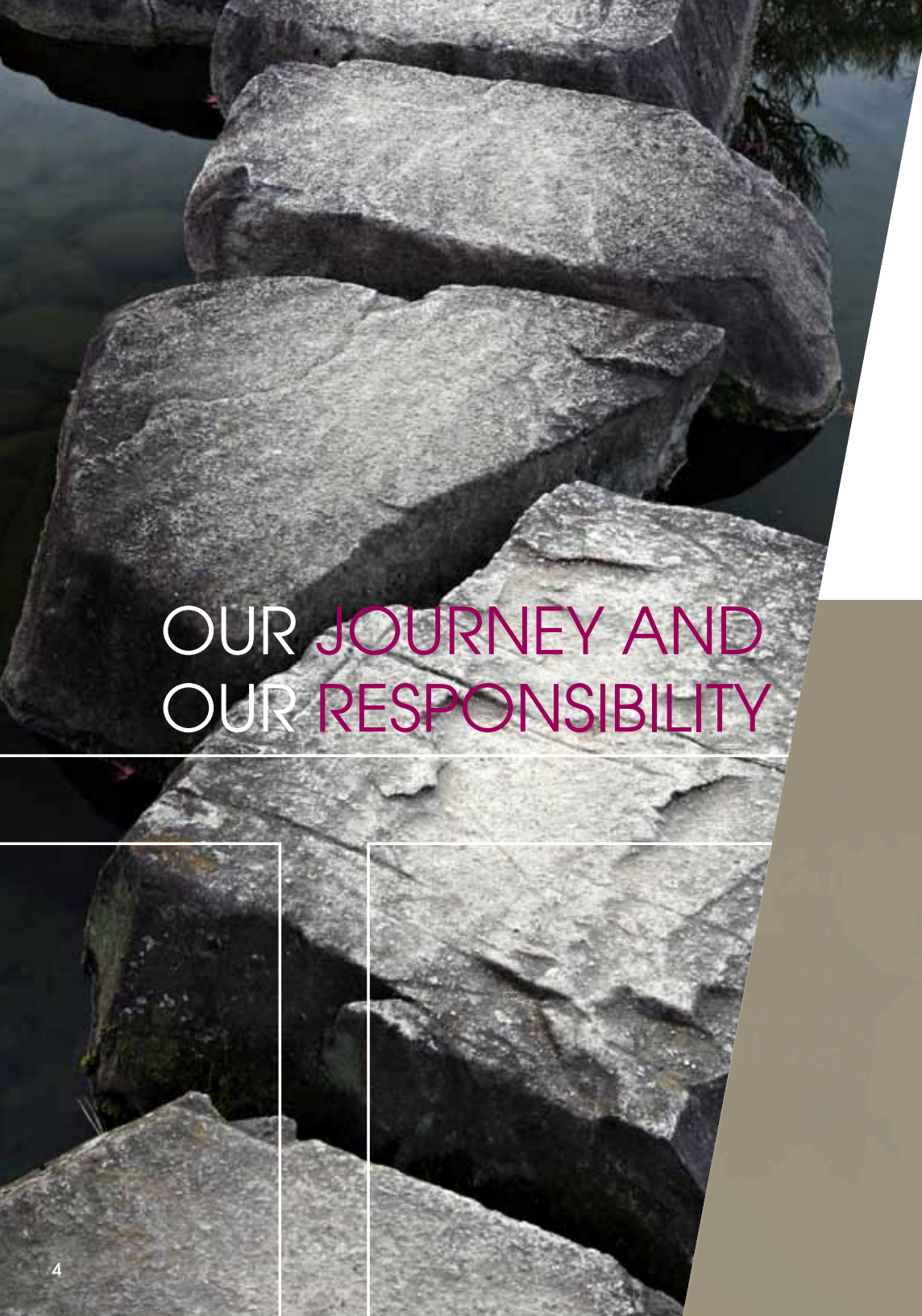
Because taste is an intensely personal sensation, we tailor flavorings to local preferences in an effort to create a multi-dimensional experience in a wide array of food and beverage categories.

AROMA CHEMICALS

Using asymmetric synthesis, we were the first company to create l-menthol, one of the most in-demand materials in the world. Today, we use this technology to create materials used in the household products, toiletry, pharmaceutical and fine fragrance industries.

FINE CHEMICALS

What better way to contribute to society than by sharing what we have created? Our catalyst technology, including catalysts and ligands, is of great use to a broad spectrum of industries. Our asymmetric synthesis and coupling reaction technologies are essential for pharmaceutical intermediates and functional materials.



OUR JOURNEY AND OUR RESPONSIBILITY

A CENTURY AGO, WE WERE **AWARE** AND **RESPECTFUL** OF OUR SURROUNDINGS.

We all share the goal of sustainability. Our employees. Our vendors. Our customers. It has long been a fundamental part of our culture, woven through our Basic Management Policy and our Charter of Corporate Behavior and Code of Conduct; both specifically note links between our operations and our approach to sustainability.

FROM OUR BASIC MANAGEMENT POLICY:

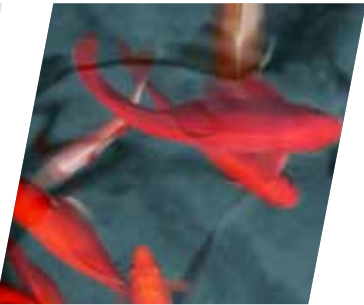
“To strike a chord with people around the world through respect for the global environment and deference to local communities.”

FROM OUR CHARTER OF CORPORATE BEHAVIOR AND CODE OF CONDUCT:

“We will effectively utilize global resources, manufacture products with awareness of the environment and strive to protect regional and global environments.”

Our Charter also mentions our attitude regarding our employees. We believe their safety, livelihoods and quality of life are paramount.

“We will have a high regard for each and every employee and promote safe and comfortable workplaces in order to achieve comfort and prosperity for our employees.”



TODAY, OUR AWARENESS HAS GROWN INTO EHS100, **A PLAN FOR SUSTAINING THE WORLD AROUND US.**

EHS stands for Environment, Health and Safety. Our EHS100 Plan is meant to transform our goals for all three into action.

A comprehensive and global 12-year endeavor that culminates during our centennial in 2020, the EHS100 Plan provides a platform for us to identify, implement and track the progress of a wide variety of tasks designed to improve the environment, ensure employees’ health and well being and maintain overall safety throughout our infrastructure. In many instances, tangible results require patience; we are therefore committed to maintaining this program for the long term.

ENVIRONMENT

The first portion of EHS100 is focused on the world around us. In addition to air, water and noise pollution, we are also committed to dampening vibration pollution, which can occur invisibly over time. We also work daily to control offensive malodors, reduce waste, decrease land subsidence and eliminate soil contamination.

HEALTH

This portion is focused on the essential health of our employees. We make significant efforts to control their work environment and effectively manage operations to achieve and maintain good physical and mental health.

SAFETY

The third portion of EHS100 is focused on the safety of those who work in our facilities as well as those who live and work near them. Detailed planning and comprehensive programs are required to reduce risk to our employees, our business and our neighbors. Carefully calibrated measures ensure safety, improve emergency response, streamline ergonomics and significantly reduce traffic accidents.

LOOKING AHEAD TOWARD 2020, WE UNVEILED OUR EHS STATEMENT ON APRIL 1, 2008. AMONG ITS TENETS:

- We will coordinate EHS activities with local communities.
- In all of our business operations, we will work to reduce our impact on the environment, maintain safety and promote the health of our employees.
- We will audit progress and work to maintain and enhance EHS.
- We will strengthen our emergency management system so that we can minimize damages and respond quickly and efficiently in case of an emergency.

DEDICATED TO MEETING GLOBAL STANDARDS

The International Standardization Organization (ISO) has defined the global standards for environmental management. It is our goal to have all sites ISO 14001 certified. By creating and adhering to an environmental management system, several key facilities have already been certified:

- Hiratsuka Factory
- Iwata Factory
- Kashima Factory
- Takasago Chemical Corp.
- Takasago Spice Co., Ltd.
- Takasago Food Products Co., Ltd.
- Takasago Europe Perfumery Laboratory (France)
- Takasago International Corporation (Guangzhou) Co., Ltd.
- Takasago International (Singapore) Pte., Ltd. Fragrance factory
- Takasago International (Singapore) Pte., Ltd. Flavor factory

In 2001, seven years before the launch of the EHS100 Plan, we established a Special Committee on Environment and Safety Legal Auditing. Members included representatives from all relevant departments. After the formal announcement of EHS in 2008, an Environment and Safety Inspection Office was added to implement and manage EHS activities. These internal organizations report directly to our Board of Directors.

OUR COMMITMENT

DOING OUR PART TO REDUCE GLOBAL WARMING, WASTE AND POLLUTION

In addition to activities designed to protect and preserve our immediate surroundings, we are equally committed to the prevention of global warming. We are actively reducing energy consumption and controlling CO₂ emissions globally—and we are reviewing cogeneration solutions.

Our efforts to reduce waste continue to be successful. In 2009, we achieved a company-wide recycling rate of 98.6 percent. Our Kashima Factory achieved zero emissions by recycling waste.

Our research and development efforts, while focused on advancing our business, also look for ways to reduce our environmental impact. Our “green chemistry” approach includes the following:

- All processes, from raw material selection to manufacturing methods, from product delivery to disposal, are monitored for potential effects on our surroundings, on the environment, on living creatures and on the human body.
- Our asymmetric synthesis technologies are well-known for their environmentally friendly approach to synthesizing optically active materials.
- We utilize wastewater treatment systems and deodorizing equipment to manage chemicals appropriately, minimizing their release into the atmosphere, the hydrosphere and the soil.

A SYSTEM FOR SAFETY AND QUALITY

In April 2006, we instituted 5S/Kaizen activities at all production divisions in Japan, and today the system is in use globally.

Its five elements are:



Practiced together, they ensure quality in terms of safety, higher productivity and effective use of resources. They were used to help our Kashima Factory achieve ISO 9001 certification for quality management.



OUR EHS100 PLAN

A COMMITMENT TO SUSTAIN A VISION

OUR EHS100 PLAN CONSISTS OF MANY DISTINCT PROJECTS. EACH IS A MILESTONE ON THE ROAD TO COMPLIANCE WITH OUR OWN IDEAS—AND IDEALS—CONCERNING SUSTAINABILITY.

EVERY PROJECT, LARGE OR SMALL, CAN BE APPLIED TO THE ENVIRONMENT, HEALTH AND SAFETY... SOMETIMES TO TWO OR ALL THREE AT ONCE.

PHASE I AND PHASE II HIGHLIGHTS:

CATEGORY	CLASS	SUBCATEGORY	PHASE I (2009-2011)	PHASE II (2012-2014)
EHS Management	EHS	Management System	Obtain ISO 14001 certification at all production sites	Obtain certification for integrated global EMS (environmental management system)
Legal Compliance and Self Management	EHS HS	Statutory Managers	Gather information on statutory managers at group companies in Japan	Gather information on statutory managers at group companies worldwide
Action on Environmental Issues	E	Reduction of CO ₂ emissions at non-production sites	Develop system for totaling CO ₂ emissions at non-production sites in Japan	Develop system for totaling CO ₂ emissions at non-production sites overseas
Risk Management and Accident Emergency Response	S	Risk diversification	Compile CSR (corporate social responsibility) procurement policy that takes account of risk (purchasing department)	Request improvements of suppliers and implement other such measures
Product and Technology Department	EHS E	Life Cycle Assessment (LCA)	Study adoption of LCA (research-lead)	Adopt LCA
Facility Management and Vehicle Control	S HS	Facility operation and maintenance	Three main plants (Hiratsuka, Iwata and Kashima)	Production sites in Japan
Coexistence with Community	EHS	Communications with local community	Organize and implement factory tours, school field trips, etc.	Study adoption of programs contributing to community
Respect for Basic Human/Worker Rights	H	Hiring of disabled workers	Create employment opportunities for the disabled	Create barrier-free facilities; install warning systems for the hearing-impaired
Education and Training Programs	EHS	Restructuring of EHS Education	Utilize personnel department, Takasago College	Implement hierarchical e-learning programs for all managerial staff

Each project has next-steps slated for Phase III (2015-2017) and Phase IV (2018-2020). The complete EHS100 Plan can be found online at takasago.com.

WITH EVERY REDUCTION IN EMISSIONS, **WE BREATHE EASIER.**



Look up. Look around you. We do, every day. We're surrounded by air, by the oxygen we breathe and we are filled with it.

What better reason is there to care for it as we do? All over the world, we take measures to keep our air clean by reducing CO₂ emissions.

In our Kashima Factory in 2009, for example, we found a way to cut annual CO₂ emissions by 2.8 tons. How? We replaced two forklifts powered by liquid petroleum gas (LPG) with two that run on battery power. Today, 21 of the 22 forklifts at Kashima are battery-powered.

Similar forklifts are used at our Hiratsuka Factory and at Takasago Food Products in Shizuoka all forklifts are electric-powered. Company-wide, we're now using battery-powered forklifts whenever and wherever possible.



Hiratsuka Factory in Kanagawa Prefecture, Japan



Energy-saving facility in Dan Kaffe, Malaysia

A NEW FUEL AND A NEW APPROACH **TO SAVING ENERGY**

We've eliminated the use of LPG in boilers, as well, replacing them with models that burn liquid natural gas (LNG). The switch at Takasago Food Products cuts CO₂ emissions by 15 percent every year and the change at our Iwata Factory reduced emissions by 5,000 tons in 2010. The Iwata Factory achieved ISO 9001 certification in 1997, a first for the domestic flavors and fragrances industry, and ISO 14001 certification in 2000.

New boilers are also in place at Dan Kaffe in Malaysia, Takasago International Chemicals in Spain and Takasago U.S.A. In Malaysia, the boilers increased production capacity by 150 percent; those in Spain reduced oil consumption by half; and the boilers in the United States use steam, which reduces nitrous oxide (NO_x) emissions.

Beyond fuel and boilers, around the world—from the Takasago Mexico factory to that in Kashima—we are making concerted efforts to save energy in other ways: by switching off lights in unused spaces, adjusting thermostats to optimize heating and cooling systems and replacing fluorescent light bulbs with more energy-efficient ones. At our Hiratsuka Factory, we even use high-reflection exterior paint, which reduces energy consumption for indoor cooling.

At several locations, we capture heat for reuse. Takasago Europe GmbH uses a heat-recovery system that conserves energy and at the Kashima Factory a heat pump-type effluent-concentration system allows us to reuse the heat generated by vaporization. This alone reduces CO₂ emissions by 258.3 tons annually.

CLEANING THE **AIR.** HARNESSING THE **SUN.**

At Takasago Food Products and Takasago Europe GmbH, air scrubbers and filters help to reduce both odor and CO₂ emissions.

In addition, two of our facilities have found ways to use the sun itself. Takasago De Mexico uses a solar water heater, which reduces CO₂ emissions by nine tons a year, and Takasago Europe Perfumery Laboratory in France receives 50 percent of the power consumed at the plant from renewable resources.





Shanghai Takasago-Union Fragrances & Flavors factory in China

WE'RE PRESERVING AND PROTECTING EARTH'S MOST PLENTIFUL AND VALUABLE RESOURCE.

Water connects every living thing on Earth. It's what we all have in common and it's so plentiful that it appears invulnerable. But in truth, it's not.

Water is vulnerable to us and to what we put into it. This is the very simple idea behind our efforts to preserve and protect the water supply we all share.

At our factory locations globally, we ensure that all wastewater released into public sewage systems meets stringent environmental criteria.

Takasago-Union Fragrances & Flavors, our Shanghai factory, introduced wastewater treatment standards more stringent than the local government required. The decision benefitted the environment and helped us streamline operations.

Takasago Food Products introduced higher standards as well. Wastewater there is treated with four 1000m³ aeration tanks. Discharged water is treated until it is clear and we use live carp to confirm that water is ready for release into the nearby river.

Takasago International Chemicals (Europe) S.A. faced a unique challenge. The groundwater there is heavy with mineral salts. To avoid raising this level with our wastewater, we installed equipment that eliminates salt from all industrial drainage.

But even with all we do to return water to the environment without damaging it, that is only half the story. We've also created new ways to source water.



NEW SOURCES AND NEW EFFORTS TO PREVENT POLLUTION

At our Kakegawa Factory in 2009, we built a large-scale reservoir facility that draws water from the Oi river system two kilometers away. This protects an underground resource. And at Takasago De Mexico, we collect rainwater, reducing the amount we pull from other sources. We also recycle water we've already used with a CIP (clean-in-place) system.

In some situations, water itself can cause pollution if it flows out of our facilities at the wrong time. To prevent this we've introduced processes to control water and keep it where it belongs. One example is at Takasago Europe GmbH. Hazardous substance storage areas are equipped with a waterproof coating that stops corrosive substances from leaking into surrounding soil. In addition, doors and grates are equipped with emergency shutters that seal the storage area in the event of a leak inside.



AS WE WORK WITH THE
RAW MATERIALS WE NEED,
**WE UPHOLD THE
COMMITMENT OUR
WORLD REQUIRES.**



Ours is an industry based on fragrance and flavor. However, some of our work yields admittedly unpleasant odors. Ironically, these are caused primarily by harvesting and manipulating raw materials.

At our Iwata Factory of Takasago Coffee Co., Ltd., roasting, grinding and extracting coffee is the focus of much of the work. Odor is controlled by vent scrubbers and a platinum catalyst to decompose the resulting odor molecules. To absorb odor from our exhaust steam (water spray), we use a water scrubber and the scrubbed water is then reused for dilution before being discharged into the sewage system. In 2010, a new expansion pipe was installed to augment these odor-prevention measures.

At our Hiratsuka Factory, we create flavors and fragrances without the use of extracts, and the handling and disposal of raw materials can cause odors. To prevent dispersion into the adjacent neighborhood, we built a tent-style warehouse

for temporary waste storage, and airtight stainless steel lids now cover the balance tanks at our wastewater treatment facility. To control odors before they materialize, we use a method that burns odor and decomposes odor molecules. In addition, activated carbon is used in deodorizing equipment at our waste-retaining site.

At the Takasago Spice Company in Hadano, we process powder spices. Due to the particle size, odor dispersion is difficult to control. In 2004, we installed wet scrubbers in each factory building. The manufacturing facilities have been made airtight and dust collectors prevent powder from escaping.

Even with all these methods, however, not all odor control is technology-based. Sometimes, a good nose works just as well. We patrol factory perimeters at our Iwata and Hiratsuka locations, enhancing our sense of smell with special odor-detecting equipment. When necessary, we design and implement remediation techniques.

In nature, nothing is wasted. This simple idea inspires us to find ways to close the manufacture / waste / recycle circle at locations around the world.

At our Kashima Factory, the circle was closed organically. In 2008, the local Ibaraki Eco Business Establishment Registration System—a group of businesses that monitors and works to eliminate its own environmental impact—certified the factory. The factory converts coffee grounds, oolong tea leaves and other biodegradable materials into fertilizer. Member farms of the non-profit corporation Zero One mix the plant waste with chicken manure, and the resulting fertilizer is used by the farms and sold to horticultural and livestock farmers. The cost is one-tenth that of incineration.

In addition, new effluent-extraction equipment at the Kashima Factory concentrates coffee effluent, reducing food waste by 702 tons.

In a similar way, Takasago Food Products has reduced

its volume of industrial waste since 2002. Its sludge is dewatered and dried at the treatment facility and the resulting fertilizers, TFP1, Kocha Kasu and Coffee Kasu, are trucked privately to local farms. The system has been approved by the Ministry of Agriculture, Forestry and Fisheries of Japan.

In what is perhaps our greatest example of closing the recycling circle, at the Takasago Spice Company in Hadano waste is collected and sorted with the use of an ECO Cart inside the facility. Spice powder refuse is delivered to an industrial waste processing company that uses the energy from incineration to generate electricity. In turn, the incinerated ash becomes raw material for manufacturing cement. Waste plastics become fuel for a Hokkaido-based paper company. The burlap sacks used for transportation are reused as weed-preventing ground cover or are mulched into organic fertilizer used by local fruit farmers.

These are all examples of the so-called “cradle to cradle” approach, finding new ways to use resources and avoiding needless waste.



WITH TECHNOLOGY
AND INNOVATION,
**ALMOST NOTHING
IS WASTED.**

Takasago Europe GmbH
in Zülpich, Germany



**WE'RE WORKING TO
ELIMINATE TOXIC WASTE
FROM OUR ENVIRONMENT.**

Controlling wastewater and odor is challenging. Preventing the escape of toxic waste is even more complex. Because failure has immediate implications on our environment and its future, we are particularly vigilant about getting it right.

In 2008, to control the leaks of noxious substances such as nitrogen oxide (NOx) and other air pollutants, we installed new scrubbers in Takasago Chemical Corporation's Kakegawa Factory. Additional scrubbers were installed to prevent the release of trichlorosilane and its solvent, hydrogen chloride. The Iwata Factory uses the same system.

At Takasago Europe GmbH, there are three layers of protection. First, water pipes used to extinguish fires are equipped with cutoffs to prevent extinguishing water from reaching public sewers or the public sewage treatment plant (all Japanese locations use this cutoff system). Second, we dispose of raw materials and product residue before flushing out plants and containers. This prevents our rinsing process from carrying any remaining raw materials outside. And third, the drain network for sanitary wastewater is separated from the network used for laboratory and production wastewater. The latter is collected separately in a dedicated tank and transported to a purification plant.





TO US, **GREEN** IS THE COLOR OF **PROGRESS.**



Takasago International in Singapore



BEING **GREEN.**

We believe that sustainability is far more than an effort to be “green.” After all, green is just one color in the broad spectrum of life and it’s up to us, each one of us, to preserve all of life’s colors.

One way we do that is by looking right outside our door. Because our own environment can be institutional and colorless, inhibiting inspiration and dedication from our employees, we’ve begun beautification efforts. At our Iwata Factory of Takasago Coffee Co., Ltd., for example, we replaced stones with grass plantings. They make our corner of the world more pleasing to the eye and they improve heating and cooling.

Something else we’re working on at our Iwata Factory is energy conservation. We upgraded 14 water seal vacuum pumps to dry-type vacuum pumps, saving 228,000 kilowatt hours and decreasing wastewater production by 43,750 tons. Another upgrade to our coolant water equipment reduced coolant water use by 11 percent and coolant water used per unit by 38 percent over a period of 10 years.

Elsewhere in Asia, Takasago International (Singapore) factory’s leaders created a Green Committee to oversee the factory’s efforts to recycle, protect and conserve the environment and raise awareness. Among other efforts, they instituted the Switch Off Campaign, which encouraged people to turn off lights in unused rooms.



BUYING **GREEN.**

In addition to implementing and following green practices ourselves, we support the green efforts of other companies by buying their products.

At our locations globally, we buy environmentally friendly office machines, business supplies, lighting fixtures and bulbs and much more. On the manufacturing side, we purchase environmentally friendly raw materials, containers and packing material and other goods.

From location to location, we strive to engage in as much green procurement as we can. In some locations, it is unfortunately not possible to the degree we would like. At others, we track as much as 80, 90 and even 100 percent green procurement.

SUSTAINING OUR COMPANY AND OUR ENVIRONMENT

*Every journey begins
with a single step...*

Sometimes, doing right by the environment has nothing to do with business. At Takasago, we understand that people are not only the ultimate beneficiary of our work, but also our greatest resource.

While many of our efforts to achieve sustainability are large in scope, some are very small. In 2009, for example, employees at our Kashima Factory collected pull-tabs—8.1 kilograms of them—which they exchanged for one wheelchair.

Likewise, 458 postmarked stamps were transformed into funds used to promote volunteer activities.

And 12,000 PET bottle caps enabled the non-profit organization Ecocap Movement to buy vaccines for 32 children in developing countries.

These efforts have shown us that sustainability is sometimes about reaching beyond our own facilities to make a difference.

Paper is an easily reusable resource—and an easily wasted one. Our paper-saving efforts are global. The paper we use is sorted and disposed of, or recycled. At our Hiratsuka Factory, for instance, instead of burning used paper we shred and recycle it. Steel, aluminum, plastic buckets and other recyclable materials are collected as well.

Sometimes, recycling can involve less obvious materials. At our Iwata Factory, safety shoes are returned to the manufacturer for the recycling of resin, rubber and other materials.

On the island of Java, Indonesia, we have changed the lives of thousands. Since 1981, we have guaranteed the livelihoods of local farmers by prefinancing crop production to create patchouli oil for fragrance, and jambu oleoresin for flavor. We also donate computers to village schools to help improve the quality of children's education.

It is clear to us that saving a single piece of metal or plastic can have a positive effect on people's lives. So can helping a population in a new way. All around the world, we have witnessed the power of even the most modest efforts and new ideas, proving that from small things come significant results.





WHAT WAS **OUR VISION**
IS NOW **OUR TRADITION.**

As we look back to our beginnings in 1920, and turn to face 2020 and our future, we are mindful of our sustainability efforts up to this point:

Enriching society. Enhancing our four component disciplines. Our EHS100 Plan. Reducing CO₂ emissions. Asymmetric synthesis. Liquid natural gas, battery, steam and solar power. Air and water scrubbers. Green chemistry. Wastewater treatment. Odor control. Recycling. Energy conservation.

We have opened our minds and expanded our reach. We've improved our company and bettered our world. As a company, we have lived our vision.

What's more, we see clearly that what began as our vision has transformed into something far more powerful: our tradition.

Indeed, sustainability is a tradition of which we are most proud—and more than that, one we anticipate building on far beyond 2020. With every new project, every new employee and every new goal.





2020 **VISION**

SUSTAINABILITY, PROTECTING THE ENVIRONMENT,
MAINTAINING HEALTH AND IMPROVING SAFETY
WILL NOT STOP WITH THE PRINTING OF THIS BROCHURE.
AT TAKASAGO, WE HAVE AN ONGOING COMMITMENT.

FOLLOW OUR PROGRESS THROUGH 2012 AND BEYOND.
VISIT TAKASAGO.COM FOR UPDATES AND NEW INITIATIVES.



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