

A bright sun in a clear blue sky above a city skyline and a body of water.

For The Next Generation

**SANIX**

# For a comfortable environment, for the next generation.SANIX continues to take on the challenge.

In the modern era, where measures against global warming and environmental destruction are urgently needed, the creation of a sustainable society is a common awareness of the world.

Under the company philosophy of "a comfortable environment for the next generation," we develop our business in three areas: residential environment, energy, and resource recycling.

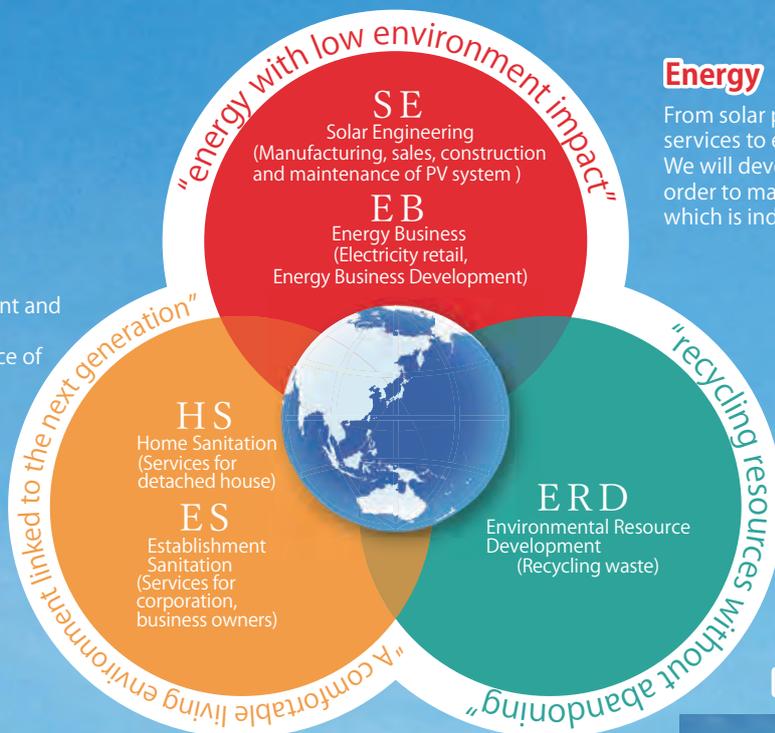
Our goal is to create a society in which "a comfortable living environment is linked to the next generation," "energy with low environmental impact," and "recycling resources without abandoning them," all of which are established as obvious values.

## Residential Environment

Support sanitary management and disaster countermeasures, centering on the maintenance of houses, buildings and condominiums. Protecting residences that are inherited by generations and beyond.



Termite Eradication



## Energy

From solar power generation system-related services to electric retail business. We will develop energy-based businesses in order to make effective use of electricity, which is indispensable for everyday life.



Solar power one-stop service throughout manufacturing, sales, construction and maintenance.

## Resource circulation



SANIX Energy Electric Power Plant (Tomakomai, Hokkaido)

R&D and operation of recycling systems to recycle and reuse waste as energy resources. Contribute to the realization of a recycling-oriented society.

SDGs is an internationally shared goal adopted by the United Nations in 2015.

Seventeen goals are set for realizing a sustainable world, including poverty, inequality, climate change, environmental degradation, welfare, peace and fairness.

## SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD



*Greetings*

## Building the future of the environment and energy with a view to the future of people and the Earth.



Hiroshi Munemasa  
CEO, SANIX INCORPORATED

宗政寛

Our founder Shinichi Munemasa felt the potential in word sanitation-hygiene management, and launched as a business in 1975.

At that time, there was no idea that environmental sanitation would be left to the hands of professionals in Japan, and therefore everything started from scratch. Since then, we have been working on a variety of businesses focusing on the environment, while taking the needs of the times into consideration and expanding our business areas such as recycling of industrial waste and renewable energy. The importance of this project has been understood by many customers, and it has been growing while expanding its scope from housing to urban spaces and the global environment.

Environmental issues such as global warming, environmental pollution, and resource depletion are at a stage where global countermeasures are required.

The SDGs adopted by the United Nations in September 2015 and the Paris agreement adopted by the COP21 in December 2015 clearly show this.

In Japan, various policies, including the Basic Environment Plan and the Basic Energy Plan updated in 2018, are based on the same philosophy.

Today, "Creating a Sustainable Society" is a shared awareness of the world, and we believe that the values of the society are changing in the direction of emphasizing the businesses we have pursued over the years.

Toward the realization of the company philosophy of "a comfortable environment for the next generation," we will contribute to the creation of a comfortable environment for the next generation by fostering human resources with highly specialized technologies, striving to develop technological innovation and high-value-added services.



### As the experts, we ensure the comfortable and secure living environment

In Japan, the warm and humid climate brings termites and other harmful vermin, and also causes rot-damages to houses. SANIX, as an expert of home sanitation, provides the unique and sophisticated measures for the risks to shorten the lifetime of houses. With expertise and know-how cultivated with abundant experiences, we ensure to provide the comfortable and untroubled residential environment.

#### Termite Eradication

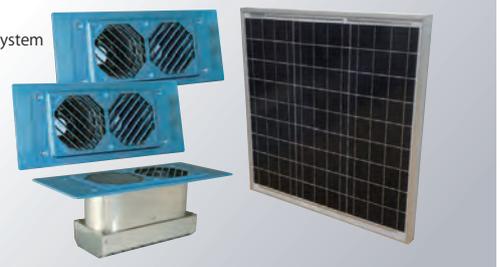
Highly trained staff with expertise in termite provides the unique and sophisticated measures (Total eradication service).



#### Underfloor/Loft Ventilation System

In addition to termites, rotten housing materials caused by moisture is another major factor to shorten the lifetime of houses. SANIX provides the unique ventilation systems moved with the solar power, for underfloor and loft.

PV powered ventilation system



#### Reinforcement of underfloor base

Aramid fiber with epoxy bond, which changes to fiber reinforced plastic, is injected onto the crack of underfloor base.



#### House Reinforcement System

Reinforce the wooden joint parts around underfloor and loft by setting up the SANIX original devices, so as to improve durability of house and decrease damages from earthquake. This unique system requires less cost and time for installation.



#### Renovation of residential homes

We offer comfortable remodeling to suit lifestyles and needs, from improving the water environment and making it barrier-free, to exterior walls, roofs, and other refreshing and Earthquake-resistant repair work.



## Establishment Sanitation Division



Urban and community space, such as buildings, condominiums and public utilities change into clean spaces.

Business offices and condominiums are likely to suffer from invisible sanitary problems. The maintenance of facilities for hotels, restaurants, food factories and medical institutions requires the specialized expertise, skill and experiences, as well as an in-depth knowledge about the issues specific to those industries. SANIX has a good track record of hygiene management in various industries, accommodating the needs of customers.

### Conservation and management measures for water supply and drainage facilities

Prevent pipes from troubles caused by rust-tinged water, on top extend their life-span.



Daelman Shock

### Maintenance of Buildings and Condominiums

Provide variety of amenity services such as waterproof coating for roofs, paintings and cleanings for walls, repairs for façades, and cleaning pipes from tank to faucets.



Water pipe inspection by fiber scope

### Pest Control

Our expert staffs, with expertise and know-how cultivated by long-term experiences, shut harmful organisms and pests out of the facilities.



Pest control spray



Daelman Shock

## Solar Engineering Division



### Optimal cost-performance and one-stop service throughout manufacturing, sales, construction and maintenance.

The spread of renewable energy, an important social issue. Making solar power a more familiar source of energy. We aim to expand the use of renewable energy through distributed solar power generation that is suitable for Japan, which has limited national territory.

General construction industry permit by Minister of Land, Infrastructure, Transport and Tourism (general issue 29) No. 19993 / Electrician business notification to Minister of Economy, Trade and Industry No.21013. Residential land building business license by Minister of Land, Infrastructure, Transport and Tourism (1) No. 009289. Ancient store (tools)

#### Solar power system for commercial use

Promote the effective use of idle land, rooftops of factories, and roofs of buildings, etc., and assist in asset management and environmental management through solar power generation. We provide a comprehensive range of products, from proposals to design, construction, and after maintenance. Effective use of free space such as the roofs of free areas, factories and warehouses, and roofs of buildings. We support the long-term management of solar power plants with a variety of maintenance menus.



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#### Land installed solar power system

Purchased land and installed a solar power generation system. We are also developing services related to solar power generation and its sites, such as matching people looking for a solar power business site with people wanting to sell land, and people wanting to lend.



#### Battery

Shifting from "selling" to "using" electricity generated by solar power. With the growing demand for in-house consumption-type solar power, we are proposing a flexible use of electricity through the lineup of storage batteries.

#### Solar power system for residential use

With the aim of expanding the use of solar power generation systems, we are offering our products at the lowest possible price. Achieving a lifestyle that is friendly to the environment and household income.

#### Mega Solar

Since June 28, 2013, we have been operating a Mega Solar "SANIX Solar Park Munakata" (approximately 2MW) through mutual cooperation between industry, academia and government. We are involved in all aspects of our business, from design to construction and power generation, and we are utilizing the experience and data gained here for sales and installation of solar power products and services. We also accept student tours as a forum for education and information dissemination.





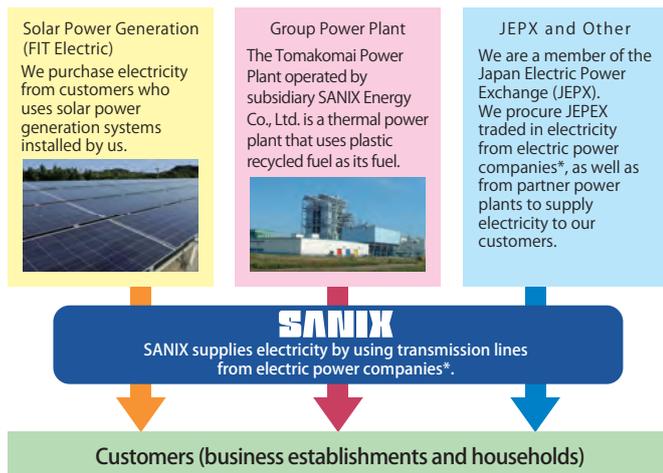
### Supporting the new era of energy through reliable technologies and accumulated achievements.

With the aim of a carbon-free society, we are diversifying the ways in which we face energy, including energy conservation, energy creation, and energy storage. Furthermore, with the liberalization of the electricity retail market in 2016, we are now in an era of choosing electric power companies. We will respond to the needs of a diversified era by looking at the tomorrow's energy supply, through power retail business and development of energy-related businesses.

#### Electricity retailing

In 2001, we became the eighth largest specified-scale electricity retailer in Japan, and as of November 2015, we were registered with the Ministry of Economy, Trade and Industry as a retail electricity retailer (registration number: A0057). Our strength lies in our own solar power generation facilities and recycling-based power generation systems operated by Group companies. We are working to reduce costs by adding other suppliers to these strengths.

##### 【Electricity Supply structure (suppliers of electricity)】

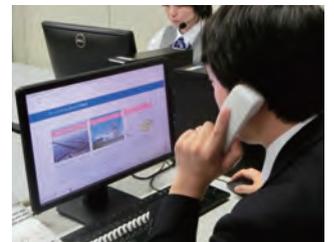


##### 【Integrated System】

To ensure that our customers use electricity at the lowest possible cost, we operate by our in-house resources for entire operations from procurement of power supplies, supply and demand management, planning and proposals, to sales activities. In addition, we procure electricity from our own solar power plants and use it as part of a power supply for retail use.

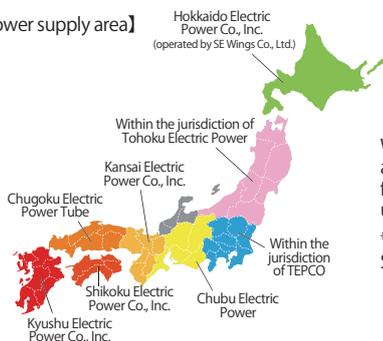


Supply and demand control



We propose optimal plans for each customer.

##### 【Power supply area】



Within the 8 power company area, power can be supplied from business to household use.

\* In Hokkaido, group company S E Wings supplies electricity.

#### Energy Business Development



We aim to build next-generation energy systems, such as distributed energy systems that utilize renewable energy in-house consumption and storage batteries.

\*Picture showing is only for images.



As the leading company of the Venous Industry\*, SANIX has been trying to balance between environmental concerns with economic growth.

\*Venous industry: made-up word to call the industry recycling the wastes.

While the request for environmental protection has been growing around the globe, the volume of industrial wastes has been expanding day by day. The capacity of the landfills is so limited that the wastes are so required to be reduced, recycled and reused. ERD has been contributing to build the circulating society, by recycling waste liquid, and by utilizing waste plastics as a fuel.

### Convert waste plastics into fuel

The waste plastic processing business operate 15 plants nation wide reusing waste plastics by using them as fuel. As an alternative energy to coal and petroleum energy resources, SANIX is the only company in the world that has developed plastic waste thermal recycling plants on a very large scale.

### Power generation by recycling waste plastics

A Zero-Waste Sustainable Power Generation that uses plastic processed and fueled at a plastic resource development plant as energy source for power generation facilities. Compared to coal, it has a higher calorific value with lower environmental impact (less carbon dioxide and incineration ash generation), and provides more value-added electrical energy.

### Commercial & industrial organic waste liquid purification

The company has established a system to accept large quantities of organic wastewater discharged from restaurant, stores, food factories, and other miscellaneous wastewater pits at one time with facility to accept them by sea shipment. By subjecting the wastewater to a series of water treatment processes, we have the ability to remove over 99% of highly concentrated pollutants. Organic solids condensed and reduced in volume by dehydration are reused as raw materials for cement and compost.



Plastics Resources Development Plant



Treated waste plastics in wrap



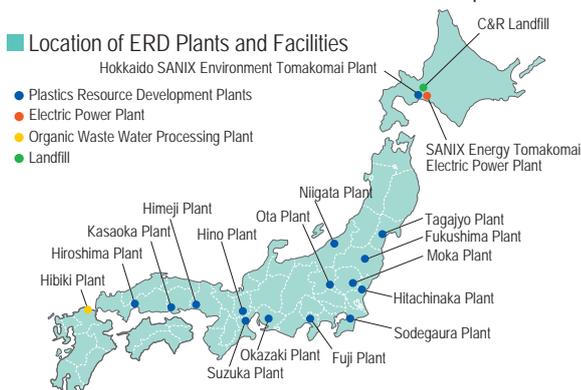
SANIX Energy Electric Power Plant (Tomakomai, Hokkaido)



Hibiki Organic Waste Liquid Processing Plant (Kitakyushu, Fukuoka)



Final disposal site (C & R Co., Ltd.)





## Recycling Energy from Waste Plastics (Resource Recycling-Oriented Power Generation Systems)

Industrial Waste Increasing in Accordance with Economic Development...  
 The disposal of these materials is an important social issue.  
 SANIX entered the industrial waste treatment business in 1994 to meet the needs of the times.  
 In the course of its operation, we focused on the high calories burned by plastics, and developed a resource-recycling power generation system that recycles plastics that had been simply burned and disposed of at landfills as energy. Waste plastics discharged from manufacturing plants and other plants are processed into fuel at 15 plants nationwide and used as fuel for power generation at SANIX Energy Tomakomai Power Station (subsidiary of SANIX, Hokkaido). Recycled as energy.



## Corporate Social Responsibility

### International Mutual Sports and Cultural Programs.

SANIX has been supporting international sports tournaments, activities and cultural events, by providing chances for developing global communication and sports skills of younger generations at Global Arena\*

\*Our founder, Shinichi Munemasa, constructed a comprehensive sports cultural facility (Munakata-shi, Fukuoka Prefecture) based on the funder's profits at the time of the initial public offering of stocks. Lodging facilities and restaurants are also available for sports competitions, school training, and corporate training as well as for citizens' recreation.

#### SANIX World Rugby Youth Tournament

Takes place annually at the end of April to early May, since 2000  
Host: Japan Rugby Football Union, SANIX Sports Foundation, Global Arena



##### Participant nations and regions

Australia, Canada, England, Fiji, France, Ireland, Italy, Japan, Korea, New Zealand, Russia, Samoa, Scotland, South Africa, Taiwan, Tonga, Uruguay, Wales

Total number of participants until 2019: 13,000

#### SANIX Cup Int'l Youth Soccer Tournament

Takes place annually at the end of March, since 2003  
Host: Kyushu Soccer Association, SANIX Sports Foundation



##### Participant nations and regions

Australia, Bulgaria, China, England, France, Malaysia, Netherlands, Italy, Japan, Korea, New Zealand, Russia, Taiwan, Thailand, USA, Uzbekistan, Vietnam

Total number of participants until 2019: 7,000

#### SANIX Cup U-17 Int'l Handball Tournament

Takes place annually at the end of October, since 2008  
Host: Kyushu Handball Association, SANIX Sports Foundation



##### Participant nations and regions

Canada, France, Germany, Japan, Korea, Netherlands, Taiwan, Thailand

Total number of participants until 2019: 3,400

#### SANIX Cup Int'l Junior Rhythmic Gymnastics Group Tournament

Takes place annually at the end of November, since 2003  
Host: Fukuoka Gymnastics Association, SANIX Sports Foundation



##### Participant nations and regions

Australia, Azerbaijan, Bulgaria, China, Japan, Kazakhstan, Korea, Lithuania, Malaysia, Russia, Taiwan, Thailand

Total number of participants until 2019: 10,150

#### SANIX Int'l Juvenile Judo Championship Fukuoka

Takes place annually in December, since 2003  
Host: Kyushu Judo Federation, SANIX Sports Foundation, Etc



##### Participant nations and regions

Australia, Beslan, Bulgaria, Chechnya, China, Germany, Hong Kong, Israel, Japan, Korea, Latvia, Mongolia, Netherlands, Palestine, Romania, Russia, Singapore, Slovenia, South Africa, Sri Lanka, Taiwan, UAE, USA

Total number of participants until 2019: 11,700

#### Global Arena Bulgarian Festival

Takes place in September annually, since 2001  
Host: SANIX Sports Foundation, Global Arena



From the Kazanlak, a place famous for rose festival, traditional folk dance ensemble attends a festival, also visits each place in Fukuoka. This Festival aims to introduce a Bulgarian culture and promote cultural exchange between Bulgaria and Japan.

### Participation in Education

#### Sports instruction by the rugby club (Munakata Sanix Blues)



SANIX has a rugby section, the Munakata Sanix Blues (founded in 1994).

Since 2002, the Rugby section, together with the SANIX Sports Foundation (funded as a foundation in 1997) has been teaching Tag Rugby in physical education classes at elementary schools in Munakata City, Fukuoka Prefecture (15 schools, 1,014 people, and 121 hours in FY2018).

In addition we also provide rugby classrooms for children at kindergartens and nursery schools in the city (10 schools and 340 people in FY2018), and guidance for those who wish to visit or uses Global Arena for lodging training.



#### Career development division's Outreach Lecture



We have long established a training center to focus on employee education, and have been researching and refurbishing our own employee education programs. In particular, "courtesy, greetings, manners, and communication" are given on-site to junior high schools, high schools, community colleges, fire departments and other organizations in recognition and appreciation of social values in local communities and educational institutions.



**Headquarters**

Location: Hakata Ward, Fukuoka City, Fukuoka Pref.



**General Training Center**

Location: Munakata City, Fukuoka Pref.

Executing training courses for all our employees in order to produce professionals devote to society.



**Takeo Manufacture**

Location: Takeo City, Saga Pref.

Manufacturing of photovoltaic power generation-related equipment and environmental sanitation equipment, as well as inspection and testing of photovoltaic power generation-related equipment are being carried out.



**Takeo 2nd Manufacture**

Location: Takeo City, Saga Pref

We manufacture power conditioners, which are the core of photovoltaic power generation systems.

For the Next Generation



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