



GlobalWafers Japan

# 2016 CSR Report



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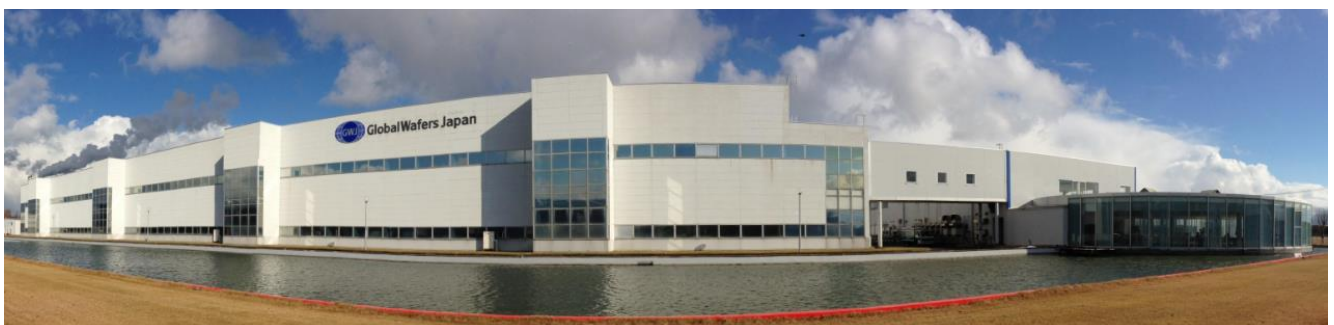
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\* Cover photo: Snow covering Mt. Ninouji --- View from the Kaji River (Shibata-shi, Niigata)



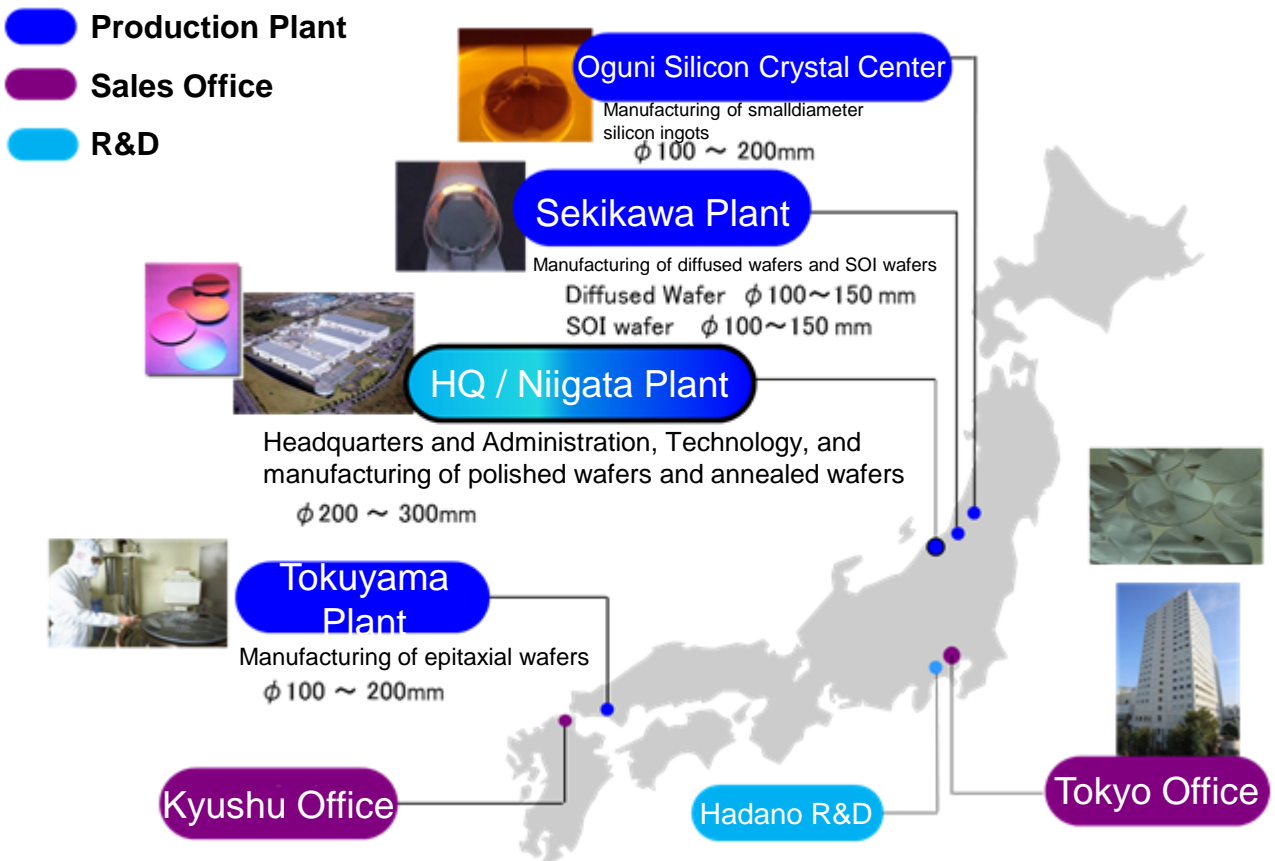
# About this CSR Report

## Editorial policy

This CSR Report has been prepared for the purpose of communicating our CSR (Corporate Social Responsibility) initiatives in our business activities via the aspects of the economy, society, people, and environment so that they can be easily understood by our customers, shareholders, employees, and the regional community.

## Scope

GlobalWafers Japan Co., Ltd.



## Subject period

The activity results for the subject period of FY2016 (January 1–December 31, 2016) and some for the other period are included in this Report.

# Message from the management



**Takashi Araki**  
President & Representative Director

With a management creed of "contributing to customers, employees, shareholders, and society with outstanding products and constant technological innovation as a leading-edge semiconductor material manufacturer," GlobalWafers Japan has endeavored over the years for the self-improvement of employees and technical innovation so that we can contribute to the development of society through the silicon wafer products we provide. This is also the way GlobalWafers Japan's employees have carried out the roles assigned to each of them in a unified effort to "pursue customer satisfaction," the first subject of our management policy.

Silicon wafers, the main product we make at GlobalWafers Japan, are used in a very wide range of fields from familiar products like smart phones, portable music players, digital cameras, PCs, and household appliances to industrial machines that support social infrastructure including automobiles, railways, and elevators. Furthermore, the application range of silicon wafers is expected to increasingly expand in response to the future advent of the age of IoT. GlobalWafers Japan's technologies support the reliability of semiconductor products used for such applications. We are fully aware of our great responsibility and strive to achieve an affluent society, protect the global environment, and realize a sustainable society by supplying products that can be used safely and securely by customers.

For this purpose, needless to say, we should strengthen our management capabilities, but we are also committed to CSR activities as one of our most important issues. In order to ensure compliance, GlobalWafers Japan has been communicating the basic concepts of ethical standards, human rights, etc. to every employee in accordance with the code of business conduct, and providing stratified education. As an organization, GlobalWafers Japan has been implementing internal controls through the corporate governance system in order to ensure proper business operation and promote activities smoothly and efficiently. GlobalWafers Japan have also established a BCP (Business Continuity Plan) so that GlobalWafers Japan do not cause any trouble to customers or communities by disclosing correct information quickly and resuming business operations as promptly as possible in the event of a disaster or other emergent event.

Not only will we continue to make social contributions as a member of the communities that host our operations, but we will also further promote CSR activities in our business operations so that people around the world can lead an affluent life, and strive to enhance our corporate value.

# Corporate Philosophy/Management Policy/Company overview

## Corporate Philosophy

To become a world-class advanced semiconductor materials manufacturer to serve our stakeholders including customers, employees, shareholders, and a harmonious society with our excellent products and continuous technology development.

## Management Policy

### 1. Customer Satisfaction

Contribute to our customers by providing solutions with products and services that respond to our customers' requirements.

### 2. Faithful Corporate Activities

Comply with global and domestic laws and regulations, correspond to all stakeholders faithfully and equally and contribute to protecting the global environment.

### 3. High Level of Professionalism

Improve capabilities and creativity of our employees to encourage a high level of expertise and professionalism.

### 4. Excellent Teamwork

Foster open corporate culture, strengthen collaborative activities among employees at different organizations, and work on challenging tasks with excellent teamwork.

### 5. Sustainable Growth

Aim for everlasting growth through consistent innovation in technology development, business strategies, and management.

## Company overview

Trade name: GlobalWafers Japan Co., Ltd.  
Headquarters: 6-861-5 Seiro-machi Higashiko, Kitakanbara-gun, Niigata Prefecture  
Established on: June 18, 1991  
Representatives: Doris Hsu, Chairperson & CEO  
Takashi Araki, President & Representative Director

# Economic efficiency report

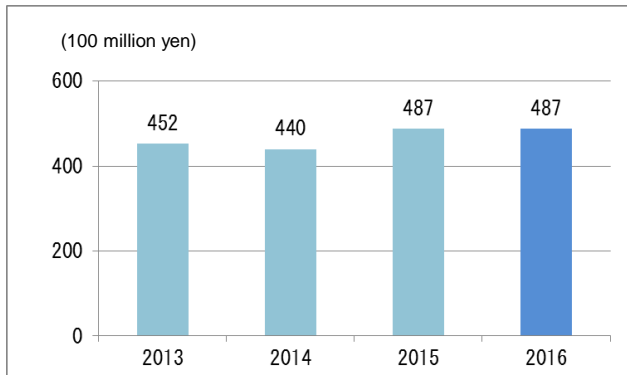
**Capital: 6.9 billion yen**

**Total amount of assets: 48.7 billion yen**

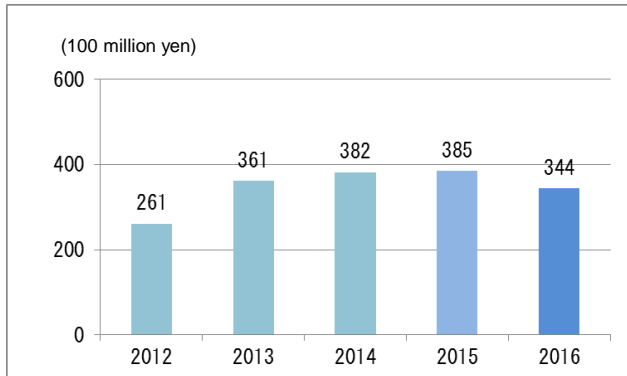
**Annual sales amount: 34.4 billion yen**

The total amount of assets, sales amount, and the number of employees are as at the end of December, 2016.

## ● Transition of total amount of assets

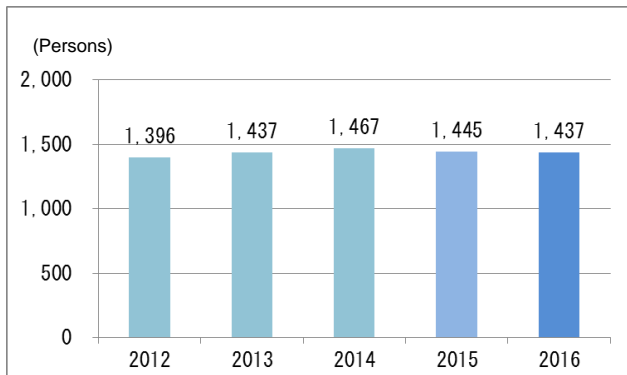


## ● Transition of sales amount



The fiscal year up until FY2011 had been from April until March in the following year, but the account closure month was changed from March to December starting from April 1, 2012 and, therefore, the figures for FY2012 are the total amount for the nine months between April–December.

## ● Transition of number of employees



# Introduction of our products

Alongside the rapid growth of the semiconductor industry, demand for silicon wafers, which are semiconductor substrate materials, has risen markedly. To meet user expectations for stable quality GlobalWafers Japan has been providing various wafers under an integrated production / quality control system that handles the single crystal pulling, surface treatment, cleaning, and packaging.

## ● Silicon wafer manufacturing process

The manufacturing process of silicon wafers roughly consists of a crystal development process and a wafer processing process.



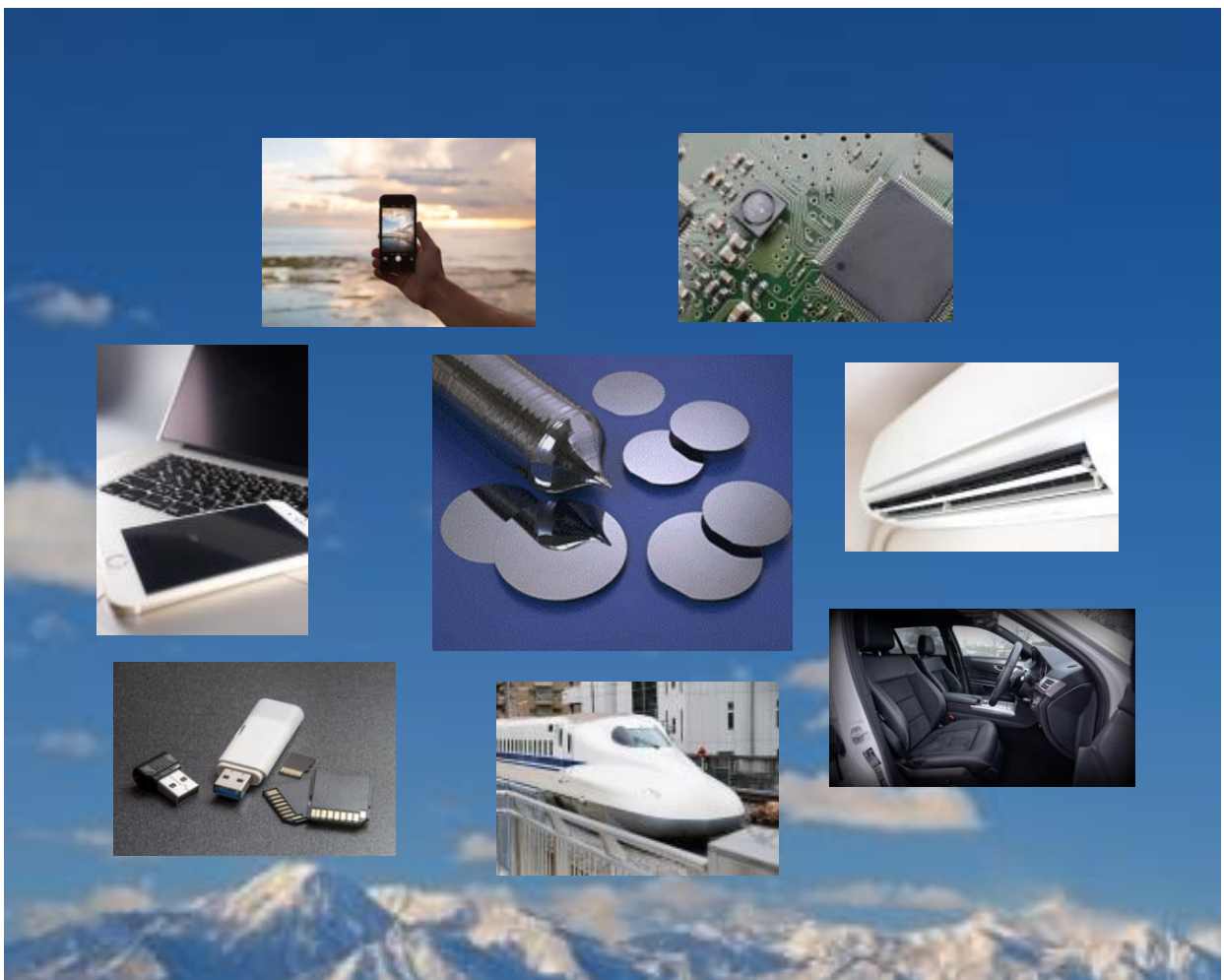
## ● Technologies required for silicon wafers

In the semiconductor manufacturing process where silicon wafers are used, fine circuits are formed on a silicon wafer.

Now, the width of single circuit line is several tens of nanometers (nms), so irregularity control on the order of several tens of nanometers is required on the surface of the silicon wafers. Several tens of nanometers represents a size smaller than influenza virus (approx. 100 nm).

## ● Applications of silicon wafers

As a semiconductor substrate material, silicon wafers are used for digital appliances around us including household electric appliances, PCs, mobile phones, automobiles, and cameras. Silicon wafers are indispensable for the roles they play in these products -- memory, operation, communication, image sensing, electric power control, etc.. Furthermore, in response to the advent of the age of IoT, new applications of semiconductors are increasing, including for sensors built into automatic operating systems of industrial machines, electric appliances, and automobiles. Accordingly, demand for silicon wafers is expected to further grow in the future.

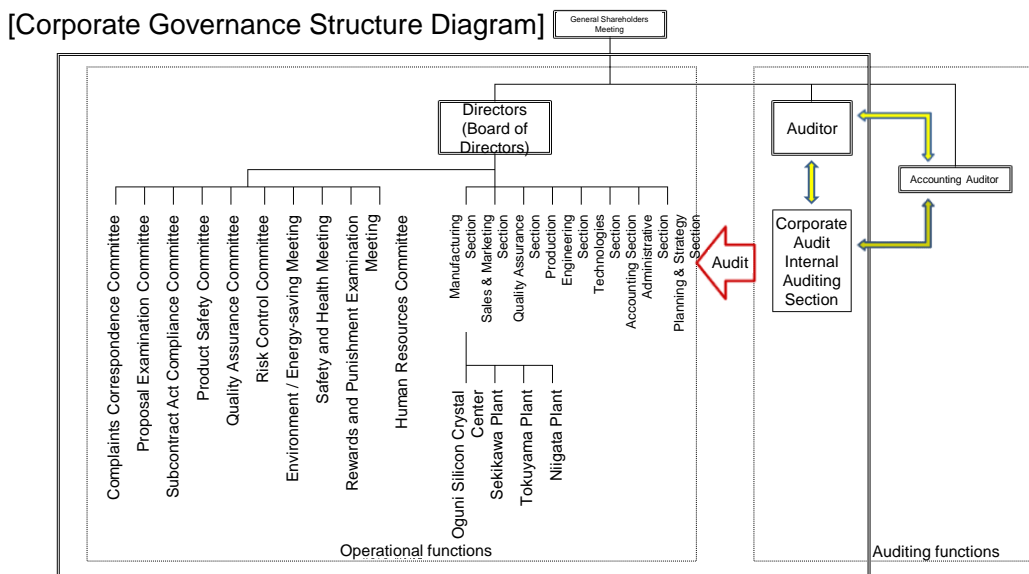




# Basic internal control policy / Compliance

GlobalWafers Japan will act in compliance with the laws and contracts, and will conduct adequate transactions under conditions of fair and free competition.

- (1) GlobalWafers Japan will communicate with all our customers in a fair and just manner and conduct transactions under appropriate conditions.
- (2) GlobalWafers Japan will comply with The Antimonopoly Act, the Unfair Competition Prevention Act, and the Subcontract Act, etc. GlobalWafers Japan will conduct transactions by following sound business practices and social standards, and will not provide or receive any profit that is inappropriate from a legal or social standard perspective.
- (3) GlobalWafers Japan will comply with the Patent Act, the Copyright Act, and other law and internal regulations regarding intellectual properties when working on obtaining, protecting, and utilizing our intellectual properties, and GlobalWafers Japan will value the legitimate intellectual property rights of third parties.
- (4) GlobalWafers Japan will comply with the laws regarding export control for the countries and regions in which GlobalWafers Japan operate our businesses, and will not engage in any transaction of goods or technologies that may have an impact on the maintenance of international peace and safety standards. Additionally, GlobalWafers Japan will make sure no conflict mineral is used.
- (5) GlobalWafers Japan will make sure that not only GlobalWafers Japan but also those within our supply chain are not engaged with any antisocial force or groups that would threaten the order and safety of the civil society.
- (6) GlobalWafers Japan will maintain sound and proper relationships with politicians, political organizations, and administrative organizations.



## ● The basic internal control policy

GlobalWafers Japan acknowledges that the responsibilities of its Board of Directors and management are to adopt the basic internal control policy at the Board of Directors level and to firmly maintain and operate the internal control system. The purpose of this system is to:

- (1) ensure business efficiency and results (profitability, performances, and asset maintenance);
- (2) ensure the reliability of financial reports, and;
- (3) submit reasonable grounds for ensuring compliance.

In order to make internal control even more effective, audits are implemented by auditors, accounting auditors, and the Corporate Audit.

## ● Handling of information

GlobalWafers Japan will appropriately protect and control company information, etc., and will also implement suitable communication and information disclosure practices to gain accurate understanding and reliance from all stakeholders.

- (1) GlobalWafers Japan will handle trade secrets and personal information, etc. of GlobalWafers Japan and other third parties in an adequate manner, and will take appropriate measures to prevent such information from being disclosed, leaked, used, or tampered with in an inappropriate manner.
- (2) While under employment with or upon resignation from GlobalWafers Japan, no employee or company member will collect, disclose, leak, or use any trade secret or personal information of the company or of any other third party.
- (3) GlobalWafers Japan will disclose our company information such as our management policy, business contents, financial reports, and the current situations in a fair manner based on objective facts, and GlobalWafers Japan will obtain accurate understanding and reliance from our customers, shareholders, clients, and regional community.
- (4) GlobalWafers Japan will not engage in any insider trading activities, such as selling and purchasing securities, based on non-disclosed company information.

## ● Information security education

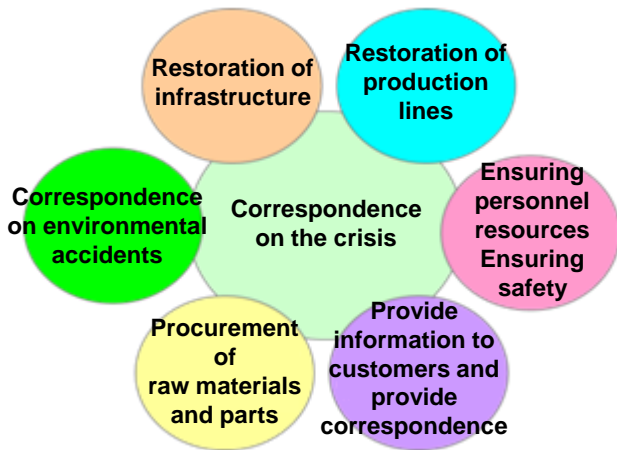
In order to secure the confidentiality, integrity, and availability of the information assets of GlobalWafers Japan and its affiliated companies, GlobalWafers Japan have organized matters that constitute the basis for handling information assets and are implementing information security education periodically.



## ● Export control

In order to avoid involvement in transactions that may threaten international peace and safety and to comply with related laws and regulations at home and abroad including the Foreign Exchange and Foreign Trade Law, GlobalWafers Japan has established export control rules and built a export control system that GlobalWafers Japan use to determine the applicability to cargo and technologies, examine transactions and conduct, internal audits and export control education.

# Risk management and BCP (Business Continuity Plan)



## ●BCP (Business Continuity Plan)

GlobalWafers Japan is working on preparing itself for various assumed risks in terms of business continuity crises and has determined the organizational structure, roles and responsibilities, and procedures for mitigating any damages to its customers, clients, employees, regional community, and all relevant persons within the Business Continuity Plan.

## ●Basic policy

- Customers: Minimize the impact on the customer's production plans.  
Employees: Secure the safety and employment of employees.  
Business partners: Maintain and continue good business relationships with business partners.  
GWC Group: Minimize mutual production loss and maximize group profit.

## ●Objective and scope of BCP

Objective:

BCP has defined the organizational structure, roles and responsibilities, and procedures for business continuity crises, and aims to minimize damages, in case of a crisis, to customers, business partners, GlobalWafers Japan, the GlobalWafers Japan Group, and employees.

Scope of application:

Business continuity crisis: In the event that an interruption of GlobalWafers Japan's core business, an order to implement the BCP will be issued. A situation in which operation is interrupted for two weeks or more due to a natural disaster such as earthquake, fire, or wind/flood damage, accident, crime, conflict, or otherwise, is considered a business continuity crisis.

Disasters that could interrupt the continuation of core business are assumed for each location: In the event of a major disaster (earthquake, fire, flood, terrorism), each plant will continue wafer operations to the extent possible without suspension or will restore normal operations in a short amount of time in the event of suspension, so as to stably provide products / services to customers and maintain their trust.

● Chart of assumed business continuity crises

Business premise	HQ / Niigata Plant	Tokuyama Plant	Sekikawa Plant	Oguni Silicon Crystal Center	Hadano Site	Tokyo Office	Kyushu Office
Location	Niigata Pref.	Yamaguchi Pref.	Niigata Pref.	Yamagata Pref.	Kanagawa Pref.	Tokyo	Fukuoka Pref.
Earthquake	○	○	○	○	○	○	○
Tsunami	○	○	-	-	-	○	○
Flood	○	○	○	○	○	○	○
Snow damage	○	-	○	○	-	-	-
Fire	○	○	○	○	○	○	○
Mass infection	○	○	○	○	○	○	○
Terrorism	○	○	○	○	○	○	○

● BCP response team

- Team leader: President
- Sub-team leader: Manager, Planning & Strategy Office
- Team members: Factory managers, responsible department managers
- Executive office: Administration Group, Planning Group

● Roles of BCP Response Team

- Collect and share information on risks.
- Prevent recurrence and respond to new risks.
- Transmit information to outside parties.
- Follow up on risk response.

● Content and timing of emergency contact with customers

In the event of a major natural disaster or other event that can affect the supply of products to customers or cause them to be concerned due to media reporting, the sales department, in cooperation with the affected manufacturing facility, will promptly report the relevant information to customers including the damage situation, effect on product delivery, etc. The timing of reporting is in principle as follows.

	Elapsed time	Content of reporting
1st report	Within 24 hours	Damage suffered and rough estimate of impact on shipment under the worst case scenario.
2nd report	Within 48 hours	Shipment plan (outline). Damage to works in progress.
3rd report	Within 72 hours	Review of the shipment plan (in detail). Summary of the damage suffered.

● Survey on BCP response by main business partners

GlobalWafers Japan survey how our main business partners address BCP and ask them to establish, maintain and renew a BCP system. GlobalWafers Japan also strive to minimize the impact on production resulting from a shortage of production materials, auxiliary parts, etc. by promoting procurement from multiple vendors and securing an appropriate amount of stock.

Survey on the emergency contact information, plant locations, and supply chains of main business partners

- Procurement BCP vendor list

Survey on BCP response by main business partners

- Establishment of BCP system
- Initial action in case of emergency
- Response in case of emergency
- Risk identification
- Risk diversification
- Development of disaster prevention

## ● Implementation of disaster prevention drills / BCP response drills

GlobalWafers Japan implemented BCP response drills by connecting the communication lines between our Headquarters Niigata Plant and Tokyo Office, and assuming a situation where an order to implement BCP was issued (occurrence of an earthquake and fire at Niigata Plant). Each plant has also implemented general disaster prevention drills assuming a case of emergency.

## ● Providing information to customers

In the occurrence of any large-scale natural disaster, etc. that may impact the supply of products to our customers or that may concern them due to the media coverage, etc., the Sales & Marketing section will collaborate with the subject manufacturing site and immediately communicate with our customers about matters such as the disaster occurrence status, damage status, and the impact on product delivery. Additionally, in order to prepare for a scenario where our sales site is stricken by a disaster, the production management sections within each plant will take on the role of customer contact for emergency cases.

## ● Ensuring personnel resources / ensuring safety

GlobalWafers Japan will place the highest priority on ensuring the safety of all relevant persons, based on the prerequisite of valuing human lives. GlobalWafers Japan will develop a communication structure for the emergency support team, as well as an alignment / cooperation structure between each plant in order to ensure that personnel can enable its restoration.

## ● Materials procurement activities (raw materials, parts)

GlobalWafers Japan are promoting procurement from multiple vendors and, for raw materials / parts that cannot be procured from multiple vendors, GlobalWafers Japan maintain sufficient stock levels based on delivery timing, etc. GlobalWafers Japan also surveys vendors about their BCP structure on a regular basis to ensure strong supply chains. Should an earthquake or any other disaster occur, GlobalWafers Japan confirm the impact the vendors may have suffered.

## ● Correspondence on environmental accidents

In compliance with the Environmental Accident Correspondence Regulations, GlobalWafers Japan will work on minimizing the occurrence of environmental accidents, and will produce reports for the regional residents and align with various administrative organizations in order to minimize the impact on the regional environment.

## ● Restoration of infrastructure

Each plant will have in place the minimum required power source by utilizing emergency power generators to ensure safety, especially at the Niigata and Tokuyama plants, where a supply structure that is resilient against natural disasters is being established together with each supplier. Additionally, a hotline between the suppliers is being developed to ensure that the required infrastructure is put in place when necessary.

## ● Ensuring transportation routes

GlobalWafers Japan have established a structure that ensures multiple transportation measures between our customers and each of our plants.

Domestic transportation: Ensuring multiple transportation routes

International transportation: Developed a transportation structure where several airports are being used (including the customs procedure)

# Quality control and product safety

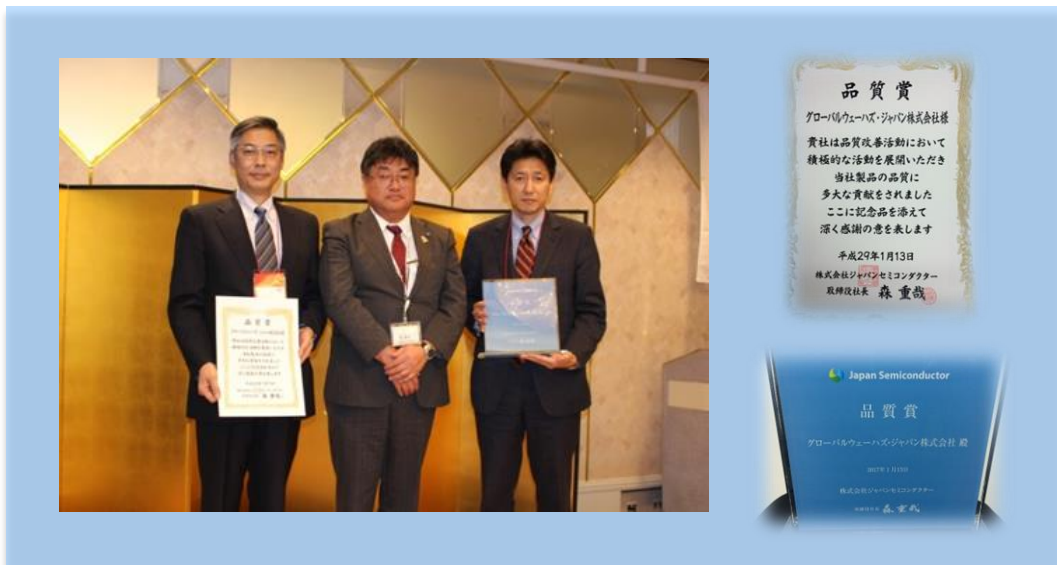
## ● Commitment to customer satisfaction improvement

GlobalWafers Japan regularly reviews the evaluations GlobalWafers Japan receive from customers and analyze customer satisfaction with regard to Q (quality), C (cost), D (delivery date) and S (service). Results of the analysis are shared by management with related departments, which leads to continual improvement activities. In addition, information obtained from communication with customers is handled with full attention to compliance.

## ● Commitment to product safety

GlobalWafers Japan continually maintains the control system that is required to ensure that no harmful substances are contained in products. The basic principles of control are to (i) obtain information on harmful substances contained in purchased materials, (ii) manufacture products using the materials, and (iii) provide information on the content in products to be sold. These principles are addressed across the entire supply chain. GlobalWafers Japan also appropriately respond to inquiries, if any, from customers or any other outside party about the control of chemical substances contained in products.

## ■ Received the 2016 Quality Award from JAPAN SEMICONDUCTOR CORPORATION



# Environmental report

For the purpose of protecting the irreplaceable global environment and of handing over it in a sound state, GlobalWafers Japan will act environment conservation activities in a sincere manner.

## ● Environmental Policy

“As a semiconductor materials manufacturer with cutting-edge technologies, GlobalWafers Japan will continuously promote our initiatives for environmental conservation via manufacturing products at a global scale, and therefore exercise our social responsibilities so that GlobalWafers Japan can contribute toward realizing a sustainable society.”

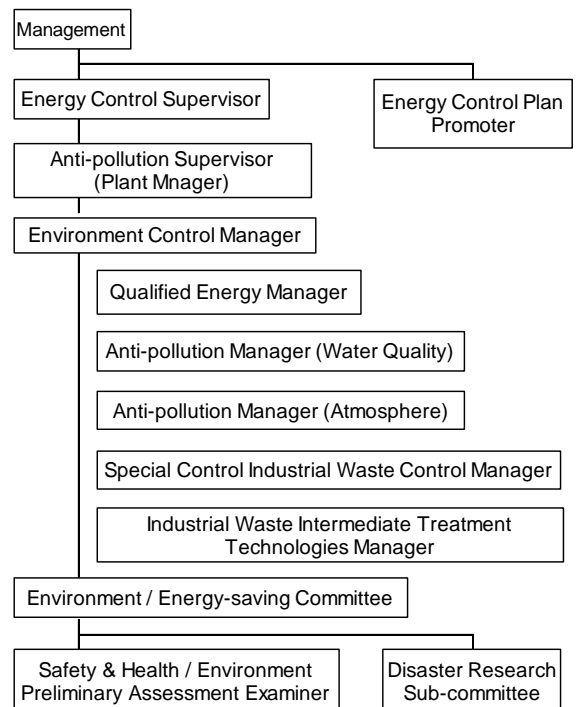
1. GlobalWafers Japan will position our initiatives for environmental conservation as one of our focus issues for our business operations.
2. GlobalWafers Japan will comply with environment-related laws, other requirements GlobalWafers Japan have agreed upon, and other selfmanagement standards.
3. As for the environmental aspects relevant to our business activities, GlobalWafers Japan will implement improvements in a continuous manner to prevent any environmental contamination.
4. GlobalWafers Japan will set environmental purposes and targets to roll out our environmental policy. To help prevent global warming, GlobalWafers Japan will work on reducing our CO2 emissions, amount of industrial waste, and the usage of restricted chemical substances.
5. GlobalWafers Japan will work on maintaining and preserving the soundness of the natural environment and its biological diversity.
6. GlobalWafers Japan will promote green procurement and will make efforts to purchase raw materials with less environmental load.
7. GlobalWafers Japan will contribute to society by developing and providing superior environmental technologies and environmentfriendly products, via cooperation and alignment with the local region and society, and through environmental conservation activities.
8. This environmental policy will be documented and fully communicated to all employees including those with the relevant companies within the premises and other partner companies, etc. This policy will be maintained by each organization without fail and will be openly disclosed to the public.

## ● Focus themes

GlobalWafers Japan sets its environmental policy as “reduction of CO2 emissions, industrial waste, and the usage of restricted chemical substances in order to prevent global warming.” It places this policy for environmental conservation as one of its focus issues for business management, and will continuously implement these initiatives.

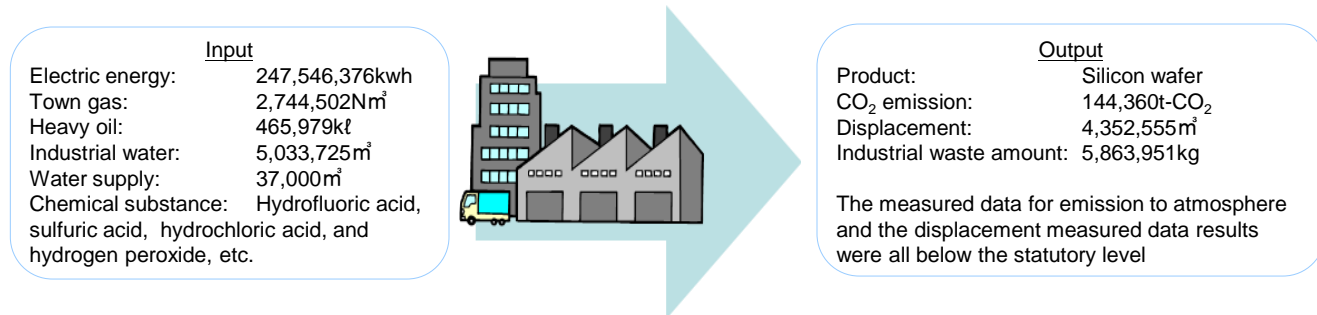
## ● The structure for promoting environmental control and anti-pollution measures

GlobalWafers Japan acknowledges that environmental conservation is one of its management issues, and has a structure for promoting environmental control established for the purpose of effectively implementing continuous improvement activities and the PDCA cycle in order to ensure environmental conservation.



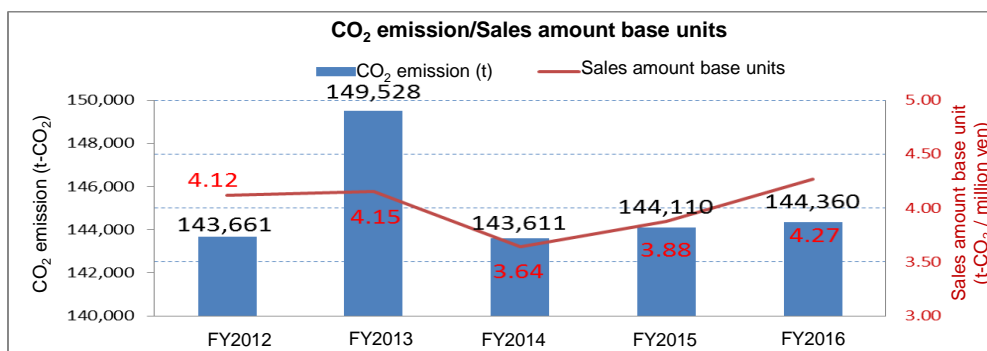
Focus themes	
Reduction of CO <sub>2</sub> emissions	To achieve “reducing 1% or more of energy consumption unit for the annual average” as stipulated by the Act on the Rational Use of Energy, GlobalWafers Japan will reduce CO <sub>2</sub> emissions by implementing energy-saving activities in compliance with the mid- to long-term plan submitted to the METI.
Reduction of industrial waste	GlobalWafers Japan will suppress the generation of waste that occurs in our business activities, promote its recycling and the reduction of the final disposal amount.
Reduction of the usage of restricted chemical Substances	GlobalWafers Japan will reduce the amount of substances subject to PRTR with significant environmental impact levels.

● **Material balance Data collected: Jan. 2016–Dec.2016**



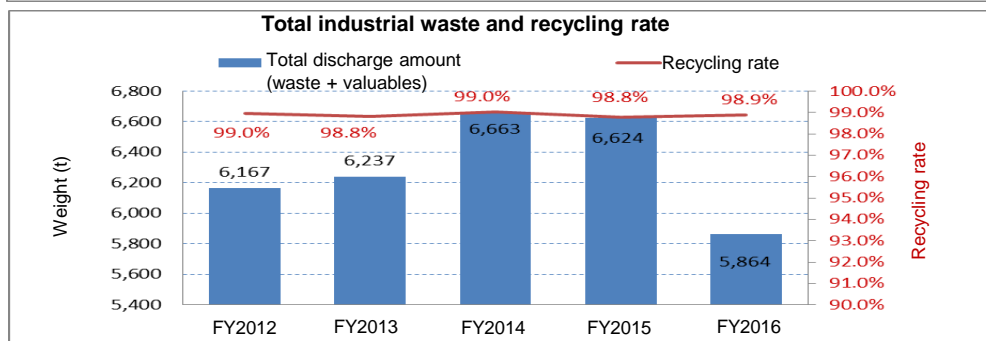
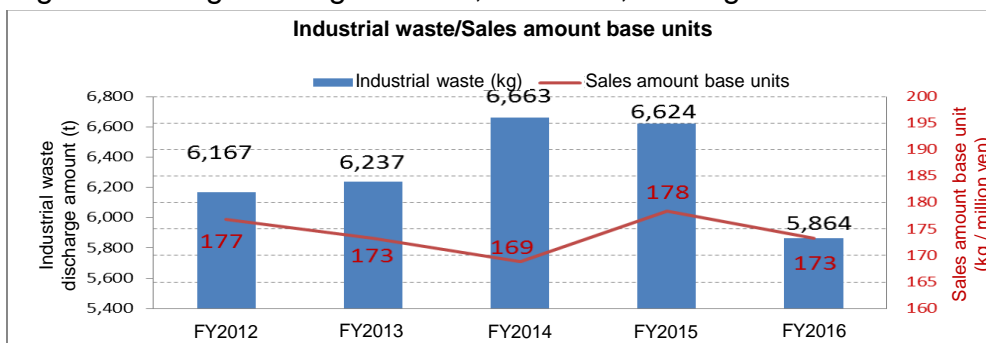
● **Promotion of energy-saving**

To continuously reduce CO<sub>2</sub> emissions, the plants implement energy-saving initiatives such as improving productivity and introducing energy-saving machineries.



● **Promotion of waste generation suppression**

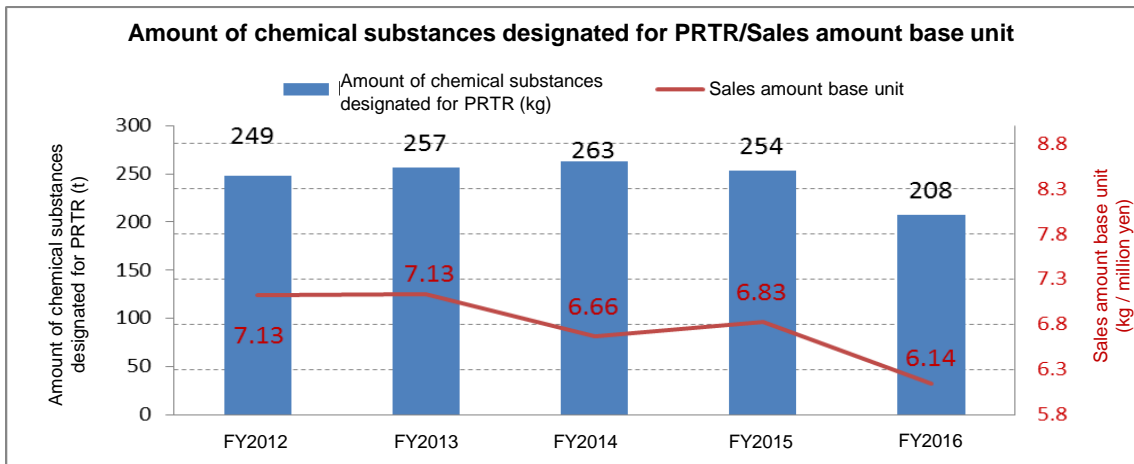
In order to establish a sustainable recycling society, GlobalWafers Japan are working on improving our production efficiency, utilizing resources effectively, and recycling resources by ensuring the thorough sorting of waste, therefore, making an effort to reduce its amount.





- Promotion of suppressing the usage of chemical substances (substances subject to PRTR)

In order to reduce the environmental risks generated from the use of toxic chemical substances and therefore leading to the contamination of the natural environment and to health damage, GlobalWafers Japan are working on reducing and eventually abolishing the usage of these substances, by moving to using substitute products.



Target: Substances subject to PRTR (Pollutant Release and Transfer Register)

PRTR (Pollutant Release and Transfer Register) is a system to acknowledge, calculate, and disclose data about how much various toxic chemical substances were discharged, where they originated from and how much were delivered to out-of-business premises by being included with industrial waste.

- Protecting the environment together with the regional community—Introduction of the activities

### Participating in regional volunteer activities – Tokuyama Plant



The Tokuyama Plant participated in cleaning activities along the Tonda River, the Clear Stream Nishiki River Clean-up Campaign, the "Forestation Promotion Project to Protect Water" in the Shunan municipal forests, "Friendly Forest" (Susuma Hongo), etc.

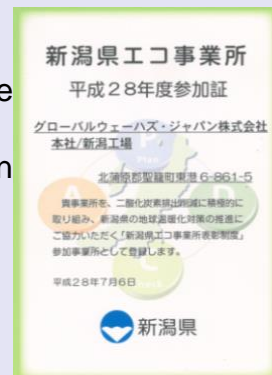
### Clean-up operation—the Headquarters / Niigata Plant



On October 21, as part of GlobalWafers Japan's philanthropic activities, a total of 25 participants cleaned up around the Niigata Plant, collecting 5 bags of combustible trash and 2 bags of incombustible trash.

### GlobalWafers Japan are participating in Niigata Prefecture's Eco Office System—the Headquarters / Niigata Plant

This system is provided by the Niigata Prefecture for the purpose of promoting CO<sub>2</sub> reduction. It invites business sites implementing efforts for reducing CO<sub>2</sub> to make applications, and discloses the activity results of the participating registered business sites on the Prefecture's website.



# Respecting human rights and developing a conducive work environment

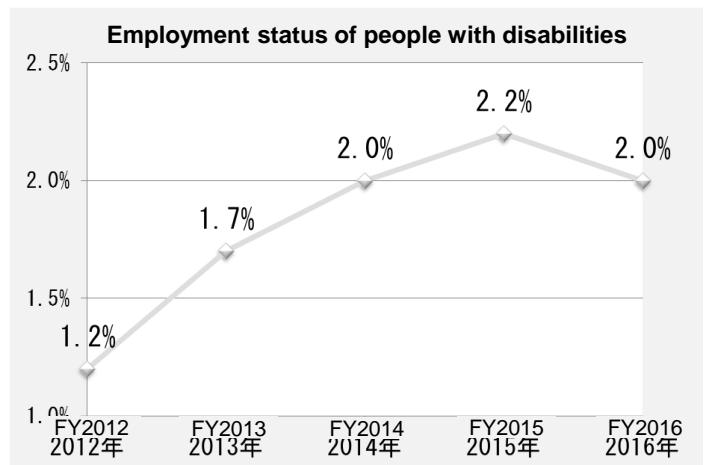
- Respecting human rights and developing a conducive work environment.

GlobalWafers Japan will respect the human rights, personality, and diversity of our employees, and develop a safe work environment in which employees would feel comfortable working.

- (1) GlobalWafers Japan will respect fundamental human rights and the individual's sense of value, personality, and privacy. GlobalWafers Japan will safeguard against any violence, abusive language, harassment, or any discrimination on the basis of race, religion, gender, nationality, or physical ability/disability, etc., and will nurture an open corporate culture.
- (2) GlobalWafers Japan will provide appropriate wages and manage the working hours appropriately, making sure to abolish any practices of forced labor, child labor, inhumane treatment, or violation of human rights, not only within GlobalWafers Japan but also within our entire supply chain.
- (3) GlobalWafers Japan will establish a comfortable work environment where the health and safety of employees and other relevant personnel are taken into consideration, to prevent any industrial accident or occupational disease, and develop emergency countermeasures against natural disasters, etc.

- Promoting the employment of people with disabilities

GlobalWafers Japan considers it an important management issue to increase the employment rate of disabled persons and, therefore, endeavors to develop workplace environments where persons with disabilities can work with a sense of security, in cooperation with the Labor Bureau, Employment Security Office, residents of local communities, etc.



- Commitment to the promotion of the Law for Promoting Women's Active Participation

Aiming to be a company that can continue to create new values and competitiveness by actively promoting diversity and creating an environment where various human resources can work and make the best use of their personalities regardless of their gender, nationality, age, etc., GlobalWafers Japan has established an "Action Plan for the Law for Promoting Women's Active Participation" and published it on the company's website.

- Mental health classroom

In order to address the issue of occupational mental diseases, which have been increasing in recent years, we have optimized working hours (prevention of overwork) and opened a consultation room where an industrial counselor is stationed. GlobalWafers Japan also implement mental health education and promote the realization of a less stressful working environment in order to prevent various forms of harassments.

● Industrial safety and health activities

**2016 Company-wide priority matters for safety and health activities**

**1. Initiative to aim for zero labor accidents**

- 1) Ensuring KY (Kiken Yochi) – danger prediction
  - (1) KY checks immediately before work execution
  - (2) Implement regular KYTs
- 2) Elimination of the unstable state and unsafe actions
  - (1) Identify failures in facilities and equipment, and ensure safety measures
  - (2) Follow safety and health rules
- 3) Implementation of risk assessment and mitigation
  - (1) Assess risks at times of changing processes or when implementing safety measures
  - (2) Assess risks including those for non-regular work
  - (3) Immediate improvement of level III and IV
  - (4) Introduce risk assessment for chemical substances
- 4) Continuous implementation of education
  - (1) Implementing safety sensory education in a planned manner
  - (2) Provide education to elderly persons and ensure safety measures

**2. Initiatives for maintaining and improving health**

- 1) Preventing lifestyle diseases from becoming serious
  - (1) Continuous provisioning of guidance from industrial physicians and education by public health nurses
- 2) Preventing health impairment due to excessive amount of labor or excessively stressful statuses
  - (1) Reinforcing labor management for employees working long hours, and providing guidance via interviews
  - (2) Make preparations to support mandatory stress checks

● Industrial safety and health activities

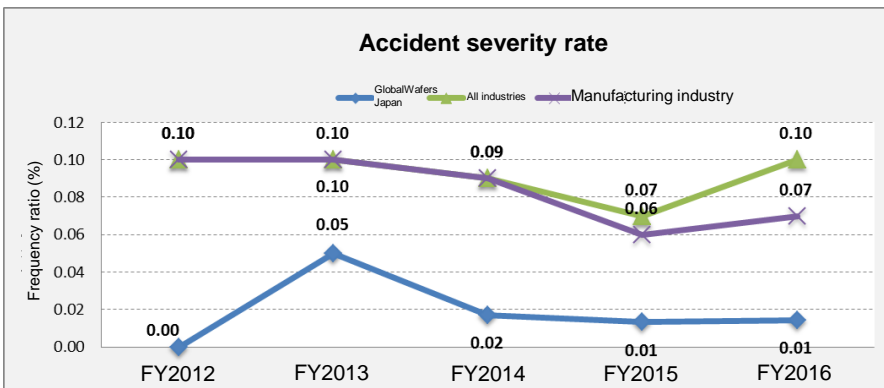
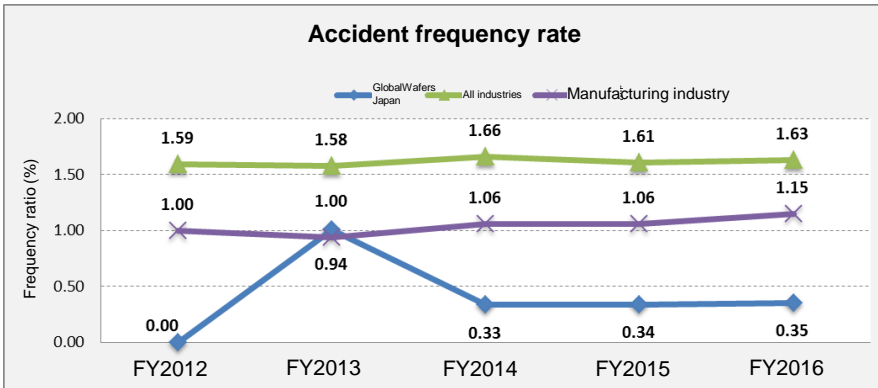
GlobalWafers Japan have established and are promoting a safety and health system based on OSHMS (Occupational Safety and Health Management System). Every year, GlobalWafers Japan review our activities of the previous year and determine company-wide priority matters for safety and health activities.

Every year, GlobalWafers Japan would review our activities for the previous year to determine company-wide priority matters for safety and health activities.

GlobalWafers Japan also implement safety and health audits at each plant once a year to improve their safety and health levels.

As for mental health prevention measures, GlobalWafers Japan have established a counseling system to promote an environment where employees can easily gain access to any counseling services.

● Record of non-disaster



Source: "Outlook" for all industries and manufacturing industry, "2016 Survey on Industrial Accidents by the Ministry of Health, Labour and Welfare".

\*GlobalWafers Japan' data collection period is January–December

● Disaster prevention drills

In preparation for the occurrence of fire disasters or major earthquakes, GlobalWafers Japan implement general disaster prevention drills every year to make prompt and appropriate emergency responses, and to minimize damage.

Headquarters / Niigata Plant:  
General disaster prevention drill



Headquarters / Niigata Plant:  
General disaster prevention drill



Tokuyama Plant: General  
disaster prevention drill



Sekikawa Plant: General  
disaster prevention drill



Tokyo Office: General disaster  
prevention drill



Oguni Silicon Crystal Center:  
General disaster prevention drill

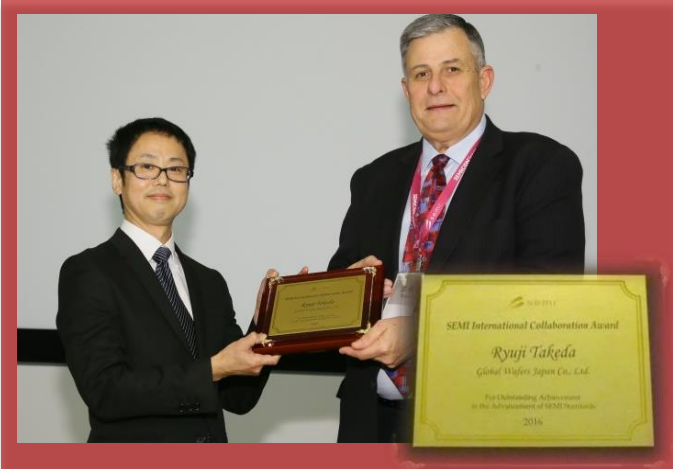


# Contributing to the regional community / society

- Received the International Collaboration Award from SEMI in 2016

SEMI is an organization that provides support for promoting the development and growth of industries and manufacturing areas that are part of a supply chain of microelectronics. SEMI also manages the voluntary industrial standards for equipment and materials used for microelectronics around the world.

The International Collaboration Award was given to GlobalWafers Japan for the company's achievements over the years in domestic and international activities as a leader of the International Test Method Task Force of the Silicon Wafer Committee.



- GlobalWafers Japan made a speech entitled "Attractions of Niigata Prefecture for Foreign Businesses" at the "Business Attraction Strategy Review Conference" organized by JETRO Niigata Trade Information Center as a "Foreign Business Inward Investment Promotion Project".
- The JETRO Niigata Trade Information Center and Business Invitation Division of the Niigata Prefectural Government jointly held a "Niigata Foreign Business Invitation Seminar." At this seminar, GlobalWafers Japan made a speech entitled "Attractions of Niigata Prefecture for Foreign Businesses."
- GlobalWafers Japan are disclosing information on our products by exhibiting the products lent to public institutions.



Industrial Research Institute of Niigata Prefecture



Niigata Science Museum

- GlobalWafers Japan will implement social contribution activities as a good corporate citizen and will exercise our responsibilities as a member of the regional society. For the purpose of developing the younger generation who will take on crucial roles in the future, GlobalWafers Japan have established an action plan based on the Act on Advancement of Measures to Support Raising Next-Generation Children, and are actively implementing the plan at each business premise in cooperation with the regional communities.

Shibata High School workplace tour

Niigata Technical High School workplace tour



Sekikawa Plant:  
Workplace experience

The Headquarters / Niigata Plant:  
Internships



Oguni Silicon Crystal Center:  
Workplace experience

Sekikawa Plant: Internships



Oguni Silicon Crystal Center  
Inari Shrine Festival

Collecting information as part of the "Science Women Future Creation Project" (Rikejo Cafe), Headquarters Niigata Plant.





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