

Priority Issues for Promoting CSR



Strengthening the Global Environmental Management System



Background and Recognition of Issues

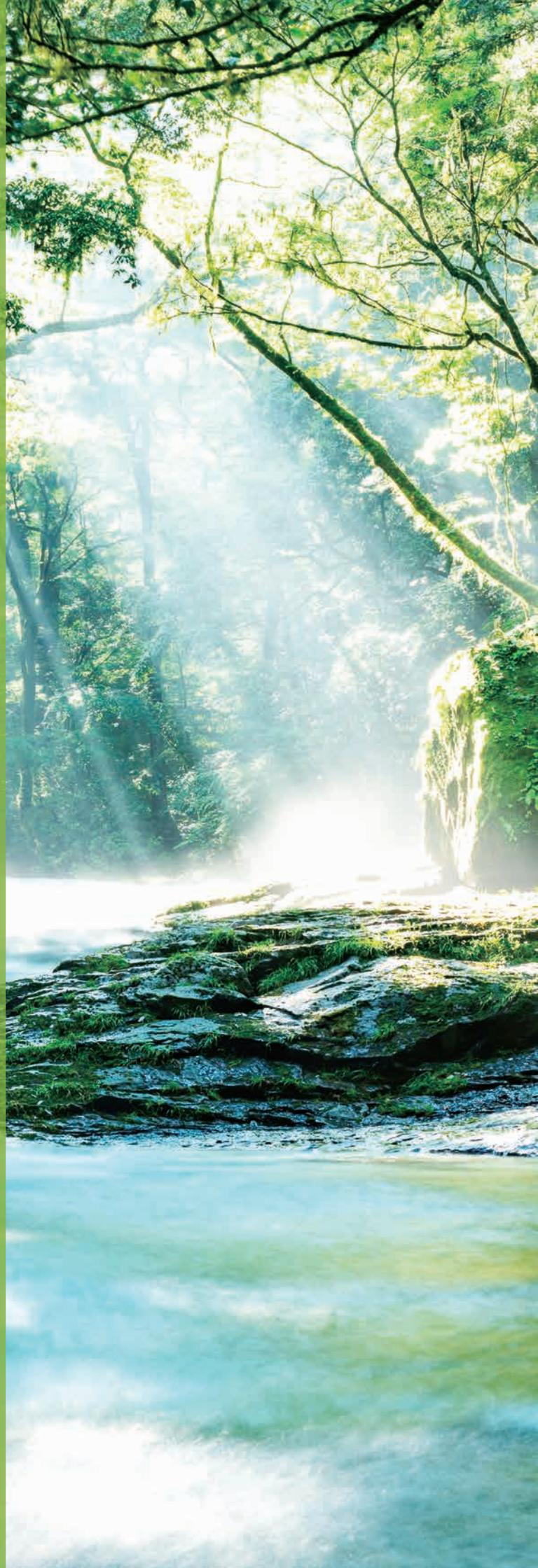
As the global population grows and the world economy develops, environmental risks increase. Risks like climate change, resource depletion, and loss of biodiversity could have major impacts on our lives and the world's future. The international community has formed compacts like the SDGs and Paris Agreement to deal with this reality. It is not just nations but private enterprises, local governments, and other actors who have an important role to play.

The Yazaki Group recognizes how critical it is to harmonize our business activities with the environment to ensure we hand down a rich earth to the next generation.

Vision

The Yazaki Group recognizes that the preservation of the global environment and its resources is a serious concern shared by all mankind. In line with our Fundamental Management Policy, we will strive to make the world a better place and work to enrich our society through environmentally sound business activities and employee volunteerism.

The Yazaki Group aims to help solve global problems and realize a sustainable society by reducing CO₂ emissions throughout our supply chain, using resources effectively, strictly managing environmentally hazardous substances, and developing and offering environmentally friendly products and services.



Environmental Management

Yazaki Global Environment Charter (Adopted in 1997; revised in 2002, 2006, and 2012)

Environmental Policy

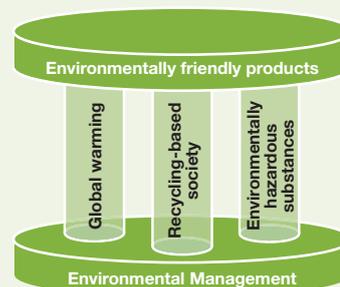
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Action Guidelines

- 1 Enhance environmental management**
Raise environmental awareness among all employees and empower them as individuals to take responsible actions for environmental preservation.
- 2 Take action to prevent global warming**
Reduce greenhouse gas emissions at the production process and by the contribution of energy-saving product.
- 3 Promote the efficient use of resources towards the formation of a recycling-based society**
Utilize resources by promoting waste recycling and reduce discharges.
- 4 Manage and reduce environmentally hazardous substances**
Improve the management of environmentally hazardous substances in the products and the production process.
- 5 Develop environmentally friendly products**
Consider global warming, recycling, and environmentally hazardous substances when developing products.

Organization of the Action Guidelines



Basic Concept

The Yazaki Group formulated the Yazaki Global Environmental Charter based on the Fundamental Management Policy. It sets out our policies for environmental initiatives and guides our efforts at all sites throughout the world. We write up a Yazaki Environment 5-Year Plan based on the philosophy and policies of the Charter. We carry out this medium-term environmental conservation plan throughout the world. We build ISO 14001-based environmental management systems at sites in Japan and overseas as the foundation for our management system. We also establish Green Purchasing Guidelines and work to reduce environmental impact throughout the supply chain.



Green Purchasing Guidelines

https://www.yazaki-group.com/pdf/csr_green.pdf

https://www.yazaki-group.com/global/pdf/csr_green_e.pdf

Global Environmental Management

Organizational Structure for Environmental Management

At the Yazaki Group, we have established and operate a global environmental management system to ensure that we meet the expectations and demands for environmental conservation from stakeholders worldwide. We convene the Yazaki Environmental Committee, the decision-making body for environmental management, every year in April to discuss how to respond to issues in Japan and overseas.

The issues discussed at the Yazaki Environmental Committee are shared in the Global Environmental Committee with people who have responsibility for environmental issues and with people in charge of practical environmental operations in each region around the world in order to coordinate the activities to solve the issues. Specifically, we share the priority themes that need to be addressed at a global level, such as alleviation of climate change and management of chemical substances in products, and discuss the responses to the issues in order to promote environmental conservation activities throughout the supply chain while encouraging inter-regional collaboration.

The Yazaki Group has also established local environmental management systems that consider the laws and regulations, culture, and customs in each region. In Japan, in order to consider actionable policies for the issues in each field, we have established the Environment Product Design Assessment Committee, the Production Environment Committee, and the Non-Production Environment Committee to promote company-wide initiatives.

Thorough Compliance with Environmental Laws and Regulations

The Yazaki Group implements periodic environmental audits at factories, sales branches, and offices in Japan as well as overseas factories to ensure thorough compliance with law. In fiscal 2018, we implemented audits at 31 sites in North and Central America, 20 in Europe and Africa, 6 in the ASEAN region, 5 in the China region, and 35 in Japan.

In addition, in fiscal 2018 we began conducting cross-audits as part of environmental audits at factories in Japan. During cross-audits, employees with environmental jobs check each other's sites. Employees in charge of environmental initiatives always find points in need of improvement and discuss how to make those improvements with each other, it strengthens the check function and capacity for improvement.



An environmental cross-audit in Japan

Environmental Risk Management

Local Pollution Prevention

Air and water quality problems, noise, and vibration can be uncomfortable for local communities even if they are within the regulations set by laws and local ordinances. That is why the Yazaki Group takes steps like controlling these nuisances at their origin and building soundproof walls. We also hold periodic stakeholder meetings to listen to people from local communities and governments as part of our work to prevent local pollution.

Environmental Education

In an effort to develop people who can think and carry out environmental efforts on their own, we conduct companywide training and specialized environmental training based on the training system of the Yazaki Group.

Companywide training is geared to persons being promoted to specific grades and those being assigned to overseas sites. The training is conducted to deepen the employees' understanding of the significance of environmental conservation and the environmental conservation initiatives of the Yazaki Group.

We also conduct specialized environmental training geared towards employees who supervise and engage in environmental work with the aim of ensuring that they have the skills needed to carry out specialized work related to the environment. This training includes education on environmental laws and regulations and education for ISO 14001 internal auditors.

Biodiversity Conservation Efforts

Our lives rest on the benefits derived from ecosystems in which diverse living things are intertwined. Protection and sustainable use of biodiversity are vital not only for ourselves but also for the sake of future generations. The Framework Convention on Climate Change and the Convention on Biological Diversity were concluded at the Earth Summit in Rio de Janeiro, Brazil in 1992. Also, the Aichi Biodiversity Targets which are common targets to protect biodiversity and the Nagoya Protocol which ensures access to genetic resources and sharing of their benefits were adopted at the 10th Conference of the Parties (COP10) in 2010.

The Yazaki Group considers local characteristics even as it acts globally. Activities include forest maintenance and tree plantings in collaboration with local communities and efforts to eradicate exotic species that harm original ecosystems.

TOPICS

Environmental Representative Conference Begin in China Region

Until fiscal 2017, there were committee meetings of those responsible for environmental issues at each site in the China region, but there were no events where people in charge of practical environmental operations could share information. Therefore Plant Environmental Representative Conference began in fiscal 2018 as a way to increase understanding of practical operations and encourage the spread of best practices to each other's sites. Staff in charge of practical environmental operations at 9 factories in the China region participate in this event.

3 meetings took place in fiscal 2018. Speakers introduced best practices and measures they were taking against legal and other environmental risks, while participants debated other issues as well. Factories take turns hosting meetings. By observing case studies of improvement at actual worksites with actual things, all members increase their skills.



Meeting members observing a worksite

Yazaki Environmental Plan (Results and Evaluations for FY 2018 and Targets for FY 2019)

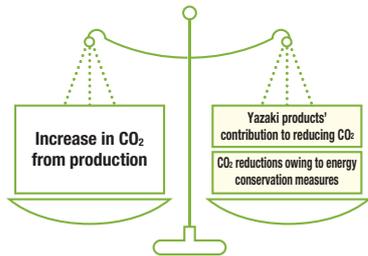
Ongoing: ongoing improvements Evaluation standard ○: 100% achieved △: at least 90% achieved ✕: less than 90% achieved

Item	Target state or value	Target year	Results for FY 2018	Evaluation	Target for FY 2019
Enhance Environmental Management					
Environmental communication	Ensure improvements are implemented continuously while carrying out two-way communication with stakeholders	Ongoing	● Factories have issued site reports and held stakeholder meetings	○	● Continue to issue site reports and hold stakeholder meetings
Environmental education	Ensure that environmental awareness permeates to all employees, and they voluntarily take on environmental initiatives	Ongoing	● Implemented specialized training in each region, site, and division (13,969 employees attended training)	○	● Continue specialized training in each region, site, and division
Environmental compliance	Ensure that the compliance system is strengthened by implementing periodic audits to improve systems and operations	Ongoing	● Implemented audits in each region based on the plan	○	● Introduce cross-audits between sites ● Audit chemical substance management based on risk assessments
Strengthening the environmental management in the supply chain	Ensure that issues concerning environmental management are shared with suppliers and that the PDCA cycle is implemented	2022	● Deployed the Yazaki Green Purchasing Guidelines to suppliers in Japan	○	● Deploy the Yazaki Green Purchasing Guidelines to suppliers overseas
Responding to the revisions of ISO 14001	Ensure that structures are reviewed in light of ISO 14001:2015	2022	● Completed transition to ISO14001:2015 in all regions and sites	○	● Promote unification of environmental management systems
Considering and contributing to biodiversity	Ensure that efforts for biodiversity are continuously conducted according to the characteristics of each region and site	Ongoing	● Implemented planned activities in each region and site	○	● Continue implementing planned activities in each region and site
Take Action to Prevent Global Warming					
Reduction of CO₂ emissions	Ensure that global CO ₂ emissions per unit is reduced by 20% from FY 2010 by FY 2020	2020	● Reduced global CO ₂ emissions per unit by 32.4% from FY 2010	○	● Reduce global CO ₂ emissions per unit by 19% from FY 2010
Promote the Efficient Use of Resources Towards the Formation of a Recycling-based Society					
Reducing waste	Ensure that waste reduction is continuously promoted in each region	Ongoing	● Achieved targets established in each region ● Waste emissions at all sites in Japan increased by 11.2% from FY 2010 (because of overseas regulations on imports of waste plastic)	△	● Continue achieving targets established in each region ● Reduce waste emissions at all sites in Japan by 9.1% from FY 2010
Effectively utilizing and minimizing impact on water resources	Ensure that water resources (quantity and quality) are effectively utilized in each region and improvement activities are conducted continuously	Ongoing	● Achieved targets established in each region	○	● Continue planned activities in each region
Manage and Reduce Environmentally Hazardous Substances					
Responding to the EU-ELV Directive and EU-RoHS Directive	Ensure compliance with Annex II of the EU-ELV Directive	2022	● Decided to prohibit use of aluminum alloy containing up to 0.4% lead in newly developed products	○	● Confirm the non-use of aluminum alloy containing up to 0.4% lead in newly developed products
Responding to substances restricted by REACH Regulation	Ensure the prohibition of the use of 4 specific phthalate esters subject to authorization in raw materials and products	2023	● Implemented substitution based on plans	○	● Check and isolate inventory
Reducing VOC emissions (Sites)	Ensure that VOC emissions are reduced by 30% from FY 2000 at factories	2020	● Reduced total VOC emissions by 54% from FY 2000	○	● Reduce total VOC emissions by 30% from FY 2000
Develop Environmentally Friendly Products					
Promoting environmentally friendly design	Ensure that product development is conducted with consideration for global warming, recycling of resources, and environmentally hazardous substances	Ongoing	● The number of environmentally friendly products approved: 24 ● Began performing LCA evaluation at the product usage stage	○	● Continue practicing environmentally friendly design

Responding to Climate Change

Basic Concept

The Yazaki Group is taking actions to help lower CO₂ at the global scale in response to global warming issue that needs to be dealt with globally. For example, we are working to reduce CO₂ at our sites through energy saving measures and we are also promoting Yazaki Group products that help to lower CO₂.



Energy Saving Activities at Factories and Offices

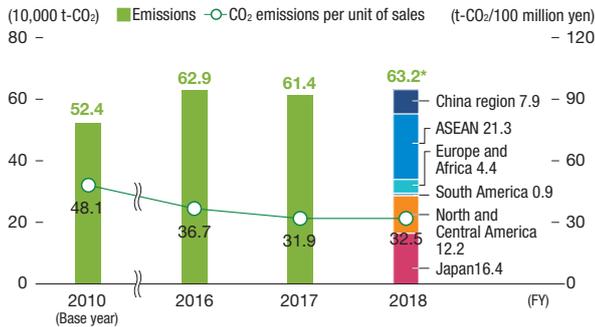
The Yazaki Group is working on energy saving activities with its target of reducing global CO₂ emissions per unit by 20% from FY 2010 by FY 2020.

Specific initiatives include equipment measures like putting LEDs in lighting equipment, updating air conditioning equipment and compressors, and optimizing operation time of facilities. We are also promoting the use of renewable energy by installing solar panels. We also continually implement specific initiatives such as ensuring that lighting is turned off during lunchtime and breaks and using the eco mode for PCs to raise the awareness of each and every employee.

Through these initiatives, we reduced CO₂ emissions by approximately 6,500 tons globally in fiscal 2018.

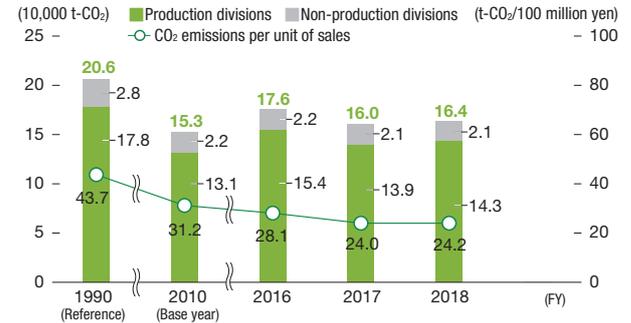
CO₂ emissions per unit of sales in fiscal 2018 were 32.5 tons-CO₂/100 million yen globally, which is 32.4% less than that of fiscal 2010. The figure in the domestic Yazaki Group was 24.2 tons-CO₂/100 million yen, which is 22.4% less than that of fiscal 2010.

Change in CO₂ Emissions (Globally)



* Total emissions may differ from sum of regional emissions because of rounding to the first decimal place.

Change in CO₂ Emissions (Japan)



TOPICS

Energy Saving Measures at Yazaki Energy System Corporation Numazu Factory

Yazaki Energy System Corporation Numazu Factory in Numazu City, Shizuoka Prefecture is systematically rebuilding its aging facilities. During rebuilding in 2018, it placed 2,508 solar panels on its roof to make effective use of renewable energy. The panels generate 730 MWh of electricity annually, which is expected to lower CO₂ emissions by 365 tons each year.

The factory's production facilities, moreover, are working on a way to generate electricity while manufacturing products. Traditional electric wire twisters use a brake to adjust tension. During braking, kinetic energy is vented as thermal energy, causing an energy loss. The factory's new electric wire twister uses regenerative brakes* that generate electricity from the kinetic energy that was wasted in the past. That electric power can then be used as supplementary electricity to drive the electric wire twister. The resulting approximately 307 MWh of electricity generated annually could lower CO₂ emissions by 155 tons each year. After the new electric wire twister is proven effective at Numazu Factory, it will be rolled out to other factories. The Yazaki Group will continue initiatives to reduce CO₂.

* Brakes that use kinetic energy from braking to generate power that the motor recovers or consumes as electric energy



Solar panels

Contribution to Reducing CO₂ Emissions with Our Own Products

Solar equipment and air conditioning appliances using wood pellets are products that contribute to reducing CO₂ emissions. The *Bio-Aroace* wood pellet-fueled absorption chiller-heater is an air-conditioning appliance based on a carbon neutral* concept. Taking into consideration the volume of CO₂ absorption during the growth of the wood used as raw material for the wood pellets, there is an annual reduction of approximately 30 tons of CO₂ emissions per unit compared with using fossil fuels.

Equipping automobiles with in-vehicle safety & service systems like a digital tachograph not only makes driving more efficient and safer but also contributes to reducing CO₂ emissions, leading to improvements in fuel economy.

The contribution to CO₂ emissions reductions due to these products in fiscal 2018 was 102,000 tons, and the cumulative reduction in CO₂ emissions since fiscal 2011 is 591,000 tons.

* Carbon neutral: the condition in which the amount of CO₂ emitted by burning and decomposition is equal to the amount of CO₂ absorbed from the atmosphere by forests and plants in the natural world

Promoting Green Logistics

The Yazaki Group in Japan works continually to reduce energy consumption per unit of transportation in accordance with the Law Concerning the Rational Use of Energy. CO₂ emissions from domestic logistics in fiscal 2018 were 18,000 tons, a reduction of 2.5% from the previous fiscal year. CO₂ emissions per transportation amount (ton-kilometer) were 118 g-CO₂/ton-kilometer, a reduction of 4.0% from the previous fiscal year.

In fiscal 2018, transit systems around Japan were cut off by natural disasters, with railroads in western Japan particularly hard hit. However, we were able to minimize increases in CO₂ emissions by stepping up the use of consolidated cargo and revising the number of trips made.

We will continue working to reduce CO₂ emissions in fiscal 2019.

Recycling of Resources

Basic Concept

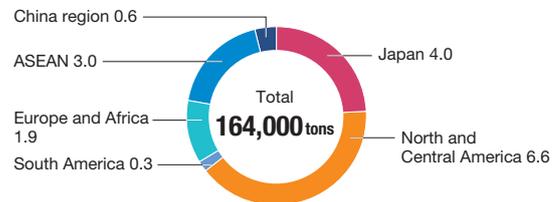
As the global population grows and economies develop, environmental risks like that of resource depletion increase. Environmental pollution caused by marine plastics is also raised as a worldwide problem. The Yazaki Group is working to build a resource recycling society by reducing loss in manufacturing processes, promoting recycling, and other measures to reduce emissions based on the 5R* concept. We are also dealing with water risks. We endeavor to minimize water use by recycling and conserving water. Additionally, we are protecting water resources by practicing stronger management to ensure that factory water discharges do not impact the surrounding environment.

* 5R: Reduce/Reuse/Recycle/Refuse/Repair

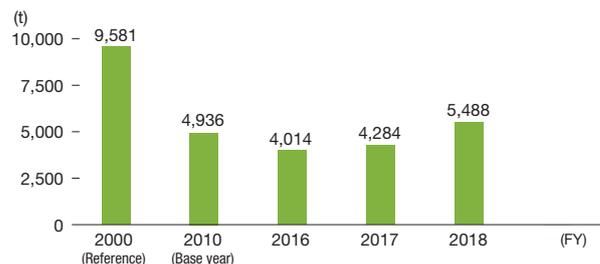
Activities to Reduce the Total Amount of Waste

The Yazaki Group works on measures to reduce the amount of waste through activities including reducing loss in manufacturing processes, promoting recycling, and further subdividing waste separation based on the 5R concept. In fiscal 2018, the amount of waste was 164,000 tons globally. In addition, the amount of waste at Yazaki Group companies in Japan in fiscal 2018 was 5,488 tons, an increase of 11.2% compared with fiscal 2010, owing to restrictions that China and other countries have put on imports of waste plastic from abroad. We will continue our waste reduction initiatives and endeavor to solve the worldwide problem which is one of the global issues to be tackled.

The Amount of Waste by Region (10,000 tons)



Change in the Amount of Waste (Japan)



Reusing Products and Using Recycled Material

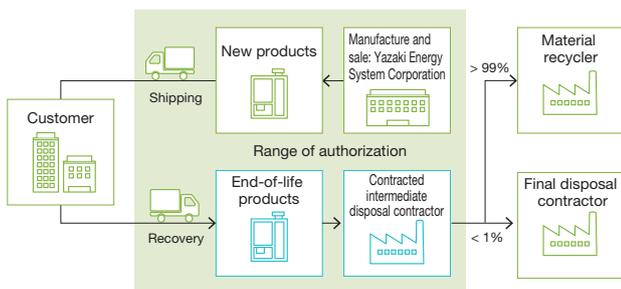
The Yazaki Group uses approximately 50 million *Polytainer* containers and 1.5 million plastic pallets in Japan and overseas. They are discarded as waste if they break after repeated use. Sho Unyu, Inc., a Yazaki Group shipping company, collects plastic *Polytainer* containers and pallets that are broken or unneeded for other reasons. These are then crushed and used as material for recycled plastic pallets. This allows plastic to be recirculated and accounted for a reduction of approximately 200 tons of waste in fiscal 2018.

Reduce Environmental Impact of End-of-Life Products

The Yazaki Group recovers, reuses, and recycles used electric wires, wooden drums, gas meters, absorption solution from absorption chiller-heaters, and more. Under the wide-area certification system,* the Hamamatsu Factory recovers *Aroace* absorption chiller-heaters when they are used up and reuses and recycles their components. By separating and reusing the steel plates that make up the product proper, the copper tubes that make up the heat exchangers, and absorption solution, we were able in fiscal 2018 to recycle more than 99% of these products by weight, just as we did the year before.

* A system designed to enable manufacturers authorized by the Minister of the Environment to collect their own products that have been discarded over a wide area so they can be appropriately processed and recycled

Recovery of Air-Conditioning Equipment under the Wide-Area Certification System



Protecting water resources

Awareness of Water Risks

The Yazaki Group has used the WRI AQUEDUCT* to evaluate water risks at our sites. The results showed that none of our major sites faced a high risk. However, we recognize water risks to be a worldwide issue which we need to work on as an enterprise, so we have set voluntary targets that we are working toward.

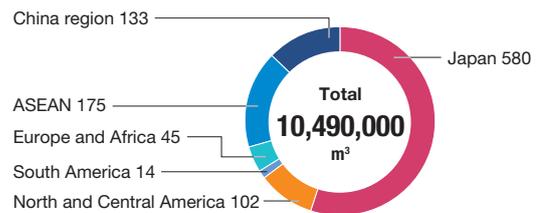
* A water risk assessment tool developed by the World Resources Institute (WRI)

Initiatives to Conserve Water Resources

The manufacturing of electric wires, one of the Yazaki Group's representative products, and the manufacturing of resin components that make up our wire harnesses use a lot of water in cooling and other processes. Therefore, at the Yazaki Group, we are making efforts to reduce water consumption by identifying global water consumption and reusing discharged water as much as we can.

In fiscal 2018, water consumption was 10.49 million m³ globally, a decrease of 3.9% from the previous fiscal year. We engage in water conservation efforts while considering the water environment in each country and region. These water conservation efforts include reusing cooling water in equipment, preventing water leakages through regular maintenance of equipment, and using rainwater and discharged water from canteens for watering plants. We also engage in educational activities, including educating our employees about water conservation. Besides reducing water consumption, we strive to preserve water resources by addressing water risks, including dealing with the discharge of polluted water.

Water Consumption by Region (10,000 m³)



TOPICS

Environmental Education for Children

Staff members from YBM in Brazil visit an elementary school close to their site to provide environmental education. They teach children topics such as the importance of conserving water resources and reducing waste. A class in April 2019 included putting on a fun play that taught the importance of water. YBM will continue activities like these to raise children's environmental awareness.



Children learning the importance of water

Management of Chemicals

Basic Concept

At the World Summit on Sustainable Development^{*1} in 2002, the 2020 Goals^{*2} on chemical management were proposed and management worldwide has grown stronger since then.

The Yazaki Group has established and operates systems worldwide to ensure compliance with the laws and regulations related to chemical substances in each country and to meet customer requests for the management of chemicals.

We demand that our suppliers ensure that chemicals prohibited from being in products do not end up in ours. We also practice thorough management internally of the chemicals used in our products. As for chemicals handled during manufacturing processes, we manage their emissions, set voluntary standards, and work to reduce them.

^{*1}: World Summit on Sustainable Development (WSSD), commonly known as the Johannesburg Summit

^{*2}: 2020 Goals: targets that aim to minimize significant adverse impacts that the manufacture and use of chemicals has on human health and the environment by 2020

Managing Chemicals in Products

The Yazaki Group collects information on the revisions and enforcement of laws and regulations in each country and is ready to respond promptly to cases where chemical substances may be regulated in the future.

In fiscal 2018, we strengthened our systems for ELV, RoHS, and new chemical reporting regulations in each country, regularly collected the latest information on the relevant laws and regulations, and worked to organize a system for sharing information between regions of the world. We also regularly checked the state of chemical management at suppliers presenting a high risk of contamination and started an initiative to support their building of chemical management systems.

Appropriate Disposal of PCB Waste

The Yazaki Group in Japan promotes the appropriate storage and disposal of PCB waste in our possession in accordance with the Act on Special Measures concerning the Promotion of Proper Treatment of Polychlorinated Biphenyl (PCB)^{*} Waste. At sites storing PCB waste, we

appoint responsible persons and make efforts to prevent loss, damage, or leakage by locking the storage site, conducting regular inspections, and taking earthquake countermeasures.

As of fiscal 2018, we had 36 transformers and condensers and 898 stabilizers in storage. We have established a plan for processing these ahead of the legal deadline and are promoting to dispose these items by authorized contractors.

^{*} Polychlorinated biphenyl: previously used for various purposes, such as insulating oil for electric equipment, including transformers and condensers. However, its manufacture and import have been prohibited since 1975 as the material was found to be harmful to human health and the environment.

Reducing and Managing Chemical Emissions

The Yazaki Group in Japan is making design changes and production process improvements to reduce emissions of volatile organic compounds (VOCs) that generate suspended particulate matters and photochemical oxidants that cause air pollution.

Major initiatives include reducing VOC use by switching to VOC-free cleaning solution for jigs and equipment and minimizing coated areas, as well as reusing previously used solvent.

Owing to these initiatives, VOC emissions in fiscal 2018 were 163 tons, a 54% decrease from fiscal 2000.

Additionally, emissions of designated chemical substances from 6 factories^{*1} in Japan subject to control of the PRTR Law^{*2} amounted to 10,410 kg and the transfer amount, caused for example by substances adhering to products, was 3,147 kg.

^{*1} Factories required to submit a report: Susono Factory, Ohama Factory, Shimada Factory, Numazu Factory, Fuji Factory, and Tenryu Factory

^{*2} PRTR Law: a law related to identifying the emissions of specific chemical substances released into the environment and to promote improvements in the management of the substances

TOPICS

Training for Responding to a Chemical Substance Leak

FSY in China gave the training in how to respond in the event of a chemical substance leak in order to increase the knowledge of staff in charge of chemical management. The company invited an external instructor who helped participants check emergency response procedures and taught them how to use eyewashing equipment and other parts of the emergency response kit. The participants then taught what they learned to everyone in their departments to share their knowledge about chemical management. FSY will continue working to prevent chemical substance leaks.

Environmentally Friendly Design

Basic Concept

The Yazaki Group has established its original certification standards for environmentally friendly design. All development divisions strive to reduce the environmental impact of products from the design stage and to enhance the added value of products.

We additionally evaluate the environmental impact of our products across their life cycles (the stages of production and use^{*1}), using LCA^{*2} techniques. Those products that meet our internal certification standards are certified as environmentally friendly products.

^{*1} Applies to automotive components ^{*2} Life cycle assessment

Case Studies of Environmentally Friendly Products

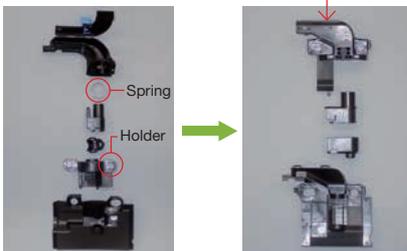
Lightweight Constant Power Supply Units for Power Sliding Doors

As sliding doors have taken on more and more functions, the need for compact and lightweight constant power

Newly developed product



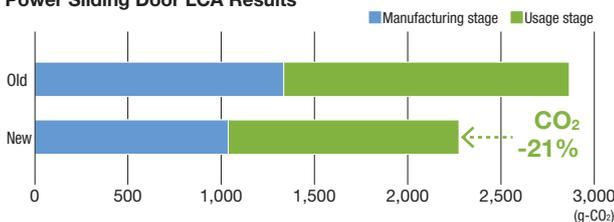
The portion in the red circle consists of the components shown below.



Conventional product

Newly developed product (no spring or holder)

Power Sliding Door LCA Results



supply units for sliding doors has grown. These units help to open and close doors. They use a variety of parts, such as springs, to cause a wire harness that is ordinarily secured to follow the door. Other means are in place to keep the wire harness from touching the auto body and persons getting in and out.

In this newly developed product, resin components that regulate the course of the wire harness are placed in a corrugated tube that protects it. That eliminates the need for components that had a spring as their main constituent. Reducing the total number of components from 13 to 9 has resulted in a product approximately 20% lighter than conventional one.

Development of Top-Fastened Battery Terminal

In most conventional battery terminals, the bolt fastens horizontally or at an angle. This necessitates a certain amount of space when assembling batteries, and that creates layout and design limitations in the area around the battery.

The Yazaki Group developed a battery terminal that fastens from the top. This keeps surrounding components from interfering with tools during installation, and gives more flexibilities to design the components around the battery and facilitates installation work. By additionally switching manufacturing process from existing cast molding to a press molding, we also reduced the weight by approximately 40% over a conventional product.

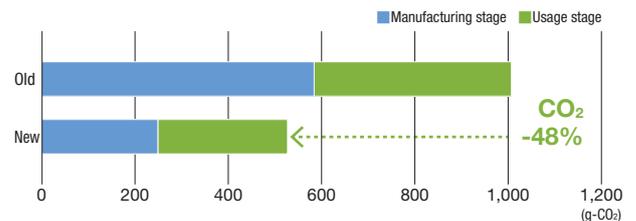


Conventional product (made by cast molding)



Newly developed product (made by press molding)

Top-Fastened Battery Terminal LCA Results



Development of Gas Alarm with Emergency Light and Night Light

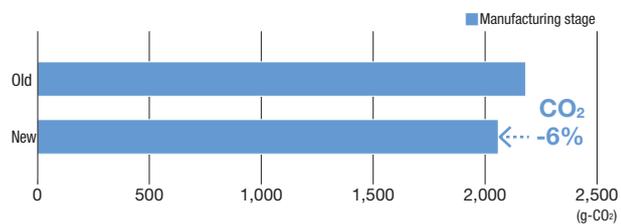
To prevent electricity fires in the event of a major earthquake, the Japan Electric Association recommends installing residential distribution boards with an isolating function that works when shaking is detected. The Japanese government, moreover, recommends having emergency lighting for use at night in case a natural disaster causes a power outage.

Given these concerns, the Yazaki Group developed the YP-756FE, the industry's first gas alarm with emergency

light and night light, ensuring customers are safe and secure in emergencies. By using an energy-efficient chip LED, it additionally consumes 80% less energy than a conventional light bulb-using product when the emergency light or night light is on.



Gas Alarm with Emergency Light and Night Light LCA Results



Development of DTG3α Digital Tachograph

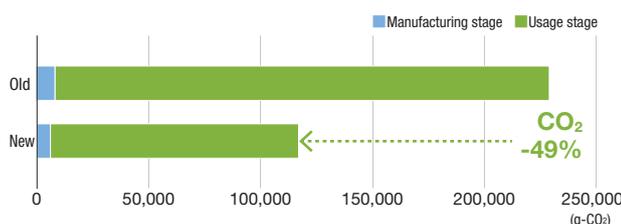
Yazaki's previously existing product, the DTG3, consisted of the main unit and peripheral devices (GPS unit and interface box*1). Putting such devices on a vehicle meets the customer's needs such as managing time and quickly determining work locations. On the other hand, with more constituent devices, more harnesses have to be wired and more space is needed to put the devices, creating more installation work.



We responded by developing the DTG3α, which brings the functions of the peripheral devices into the main unit. This ensures enough installation space and facilitates installation. The new digital tachograph is also 30% lighter and 17% more compact compared to the conventional one.*2

*1 Interface box: an interface device for installing tachographs as an after-market device in vehicles of various types
 *2 When comparing weight and size for the same function

DTG3 Digital Tachograph LCA Results



Environmental Activities

Activities at Sites

Initiative to Reduce Plastic Waste (TYE)

The impact that plastic waste has on the environment has become a great problem in recent years. In November 2018, TYE in Thailand began an initiative in its employee store that lowers the price of drinks for employees who bring in their own reusable bottle. In addition, employees who bring their own shopping bags earn eco-points, which can be saved up to get a reusable bottle. Through these initiatives, TYE is raising employee awareness and helping to reduce plastic waste.



An employee with his reusable bottle purchasing a drink at the employee store

Planting Green Curtains

The Washizu Branch Factory (Kosai City, Shizuoka Prefecture) has been planting green curtains since 2011 to lower room temperatures and protect the environment. In fiscal 2018, "environmental ambassadors" appointed by each workplace studied how to create and care for green curtains and each planted bitter melon seedlings in his or her assigned area. During their approximately six-month terms, the environmental ambassadors manage the green curtains and take initiatives like raising environmental awareness and leading cleanups. Their activities primarily involve promoting environmental initiatives in each workplace.



Planting bitter melon seedlings

About Us
 Offer Solutions to Increase Society's Prosperity
 Build Healthy and Solid Supply Chains
 Establish a Truly Strong Organization
 Contribute to Development of Local Communities
 Strengthen the Global Environmental Management System
 Enhance Global Governance and Internal Control