

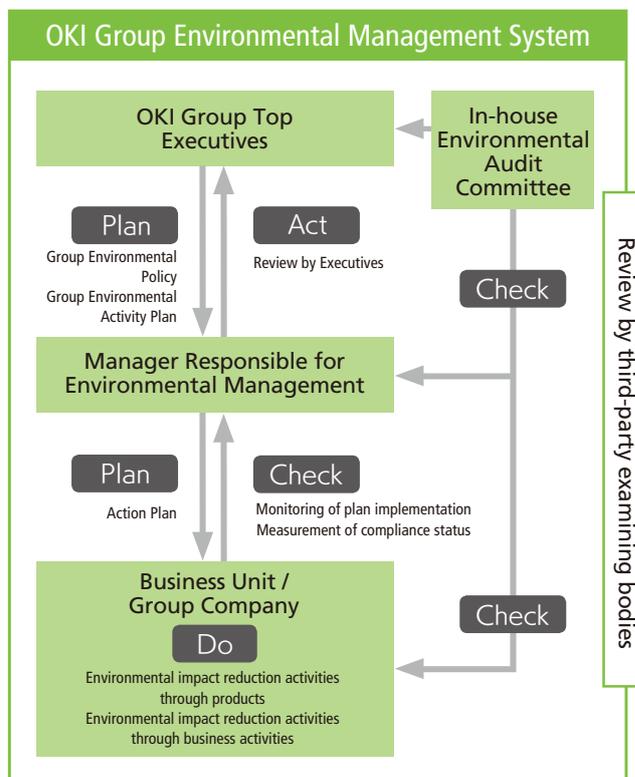
# CONSIDERATION FOR THE ENVIRONMENT

The OKI Group has developed the “Environmental Vision 2020” in 2012 and set the goals for 2020 in four fields: “Realization of low-carbon societies,” “Prevention of pollution,” “Resource circulation,” and “Biodiversity preservation.” In order to achieve these goals, we will implement the PDCA cycle and continue to be engaged in the continuous improvement of environmental performance and the operational system.

The OKI Group will proactively respond to the requests from customers and stakeholders while complying with each legal regulation concerning the environment.

### OKI Group Environmental Vision 2020

- 1. Realization of low-carbon societies**  
Maximize energy consumption efficiency in the business operations, and reduce energy consumption by 8% per nominal sales (corresponds to 12% reduction per real sales) from fiscal 2012. Contribute to the realization of low-carbon societies by continuously providing environmentally friendly products and services.
- 2. Prevention of pollution**  
Reduce emission of chemical substances that can adversely affect the health of people and the environment into the atmosphere and water system by 8% per nominal sales (corresponds to 15.5% reduction per real sales) from fiscal 2012.
- 3. Resource circulation**  
Increase the amount of recycling of used products by 25% from fiscal 2012. Additionally, minimize the new input resources through expansion of the recycling of waste materials, reduction of input material during production, and promotion of environmentally-friendly designs.
- 4. Biodiversity conservation**  
Engage in conservation and sustainable use of biodiversity through prevention of global warming, prevention of air and water pollution caused by chemical substances, expansion of recycling processes and minimization of new input resources.



## OKI Group Environmental Activity Plan (Fiscal 2014): Targets and Achievements

	Applicable themes of Environmental Visions, etc.	Activities	Targets for Fiscal 2016	Targets for Fiscal 2014	Achievements in Fiscal 2014	
					Results	Evaluation
Business Activities	Realization of low-carbon societies	Improvement of energy consumption efficiency, planned facility renewals, and re-examination of operations, etc.	Consumption*1: -4% or more (vs. FY2012)	Consumption: -2% or more (vs. FY2012)	Consumption: -13% or more (vs. FY2012)	○
	Prevention of pollution	Emission reduction of hazardous chemical substances into air and water system	Consumption*2: -4% or more (vs. FY2012)	Consumption: -2% or more (vs. FY2012)	Consumption: -7% or more (vs. FY2012)	○
Products	Realization of low-carbon societies	CO2 emission control through innovation of low electricity-consuming products	Development of 5 or more products with lower power consumption by 50% or more (vs. conventional products)	Register 5 products satisfying at least "OKI Eco Products Plus" level (i.e. power conservation effect of 25% or more)	Completed developing seven energy-saving products in which five newly-registered products (printers) are included	○
	Prevention of pollution	Secure compliance with regulations on chemical substances in products	Secure compliance in accordance with the management initiative of new chemical substance survey lists	Secure compliance regulations referring to the information concerning the revised regulations - Management procedure document - Chemical substance management system	Achieved secure compliance with regulations referring to the information concerning the revised regulations (revised RoHS Directive and Packaging Material Directive)	○
	Resource circulation	Expansion of amount treated under Cross-jurisdictional Waste Treatment Manufacturer Scheme (promotion of proper treatment and recycling)	Result of previous FY + 100 t	4,200t	2,400t (subject to the adjustment to the applications of expanding approval scopes)	×
Common	Biodiversity conservation	Reduction of the impact on ecosystem services	Continuous promotion: realization of low-carbon societies / prevention of pollution / resource circulation	Achieve fiscal 2014 goal: realization of low-carbon societies / prevention of pollution / resource circulation (See the document above)	Realization of low-carbon societies: Achieved Prevention of pollution: Achieved Resource circulation: Not yet achieved (See the details above)	△
	Compliance audit and training	Implementation of compliance audit [Purpose] <ul style="list-style-type: none"> <li>Verify the status of compliance with regulations</li> <li>Prevent environmental incidents</li> </ul> Implementation of training [Purpose] <ul style="list-style-type: none"> <li>Improve the effectiveness of environmental management activities</li> </ul>	Expand the audit scope in the regulations (e.g., energy-related fields)	On-site verification of waste treatment consignees / Implementation of measures for revised Water Pollution (Prevention) Act	No violations found (completed the follow-up for the purpose of improving management levels)	○

\*1 Energy consumption (converted in crude oil: kt) / consolidated sales (100million yen) \*2 Chemical substance emissions (t) / consolidated sales (100million yen)

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**Reducing Environmental Impact in Business Activities**

We in the OKI Group are pressing ahead with various energy saving activities in order to contribute to “Realization of low-carbon societies” at our all our business bases.

● **Renewed Process Combines Lower Environmental Impact and Improved Quality Simultaneously**

The OKI Group’s printed circuit specialist OKI Circuit Technology (OTC) renewed its “circuit pattern rendering process”, one of the core processes in printed board manufacturing. With conventional rendering, board material undergoes masking to cover areas not to be exposed, the circuit pattern exposed onto the board, and developed to create a circuit pattern. But, now OTC has introduced a “direct rendering method” using a laser beam to directly render the circuit pattern onto the board. This method has greatly reduced the production processes.

In turn, this enables the production of more detailed circuits as well as additionally enabling OTC to reduce annual power consumption by 40MWh because three machines have been removed from production and the need for a chemical liquid that was required for masking has been eliminated. Thus, massive improvements have been made in energy saving and material saving.

● **Initiatives to Reduce Environmental Load for Logistics**

OKI Proserve, a company in charge of OKI’s logistics operations, has promoted a modal shift since a very early stage in order to reduce CO2 emissions during transportation, while creating a data base of transportation information to aggregate the data required by the Energy Saving Law. Thanks to the modal shift in fiscal 2014, the volume of CO2 emissions was cut beyond that of the previous fiscal year while, thanks to efforts like the reduction of long-distance transporting, the volume of CO2 emissions in our overall transport activities was cut to 5,099 t-CO2, a 22% cut in comparison to the previous fiscal year volume.

● **Energy Saving Efforts Promoted by Committee on Global Warming Prevention Promotion**

The OKI Group has engaged in a medium and long term energy-saving plan in order to achieve the goal of the “Realization of low-carbon societies” set in the OKI Group Environmental Vision 2020. In order to implement this plan, we have set up “Committee on Global Warming Prevention Promotion,” which is effectively promoting the group-wide activities for lower power consumption.

This committee has set the concepts of “compliance,” “standardization,” and “case sharing” as its three pillars. Regarding common application with the group, such as mutual verification of the compliance status of each company in order to secure compliance as a group and the sharing of group-wide operations on energy-saving activity management as well as monitoring procedures, we are implementing them as common standards throughout the entire group. Moreover, we also are developing effective measures and cases in accordance with the features of each business location such as plants and offices, leading to the enhanced effects of energy-saving activities in each location.



The Committee on Global Warming Prevention Promotion (May, 2015)

**TOPICS** **Platinum Prize Received in Project Promoting Proper Disposal of Industrial Waste in Thailand**

In August 2014, OKI Precision (Thailand) (OPNT) received the Platinum Award, the highest in the project to promote proper disposal of plant industrial waste and raw garbage inside its industrial park in Thailand.

Targeting companies located in three industrial parks in northern, eastern, and central Thailand, this project was established by the Ministry of Industry of Thailand with the aim of promoting appropriate disposal of industrial waste based on the “3R” concept (Reduce, Reuse & Recycle). Companies that support the sentiment of the project and thus participate had their data audited and facilities/ processes inspected by the secretariat of the project.

OPNT enthusiastically participated in the project, undergoing audits over four months, that led to high praise for unrelenting initiatives, such as reducing the use of rust prevention fluid, cleaning and reusing wastewater from the barrel process, and recycling waste solder using recycling equipment, ultimately earning the company the Platinum Prize.



OPNT’s director Nishino receiving the award

**Responses to Environmental Pollution, etc.**

**[Pollution of Groundwater and Soil]**

The OKI Group installed observation wells at business locations, and is monitoring groundwater. A survey was performed for a land transaction in fiscal 2012, which found environmental pollution in the soil and groundwater of the OKI System Center in Warabi City, Saitama Prefecture. This finding was reported to the government, and appropriate measures are currently being taken to prevent the contaminated soil and water from spreading into other areas and groundwater.

**[Environmental Accidents, Claims, etc.]**

There were no environment-related accidents nor serious large claims made against the OKI Group in fiscal 2014. Whenever such an event occurs, we take action to alleviate the effects, and in accordance with rules for corrective and preventative actions, we find the causes and take action to prevent recurrence. We also perform the appropriate disclosures in accordance with the rules on external communication.

Details of the OKI Group’s environmental activities are provided in the “OKI Group Environmental Report” and on our website. The “OKI Group Environmental Report” certainly is worth reading as it features data on various issues, such as special report on examples of our initiatives in “Realization of low-carbon societies” that make the most of our distinctive technologies, the various initiatives we implement to reduce the environmental impact in products and business activities, our work on material balance and environmental accounting. Website “Environmental Conservation”: <http://www.oki.com/en/eco/>