

Konica Minolta Environmental Policy

The Konica Minolta Group aims to promote sustainable development and profitable growth. We integrate environmental, economic and social perspectives into our business strategies so that our business activities are implemented in harmony with human lives and with the environment in all aspects.

Our concept is to make steady progress toward resolution of environmental challenges based on quantitative measurement and analysis of reliable data in regard to environmental performance and impact. This basic concept is demonstrated in the following affirmation:

"Management Based On Facts"

1. Working toward a sustainable society as a global citizen

In response to the call for a sustainable society, we will conduct business activities from the perspective of on-going enhancement of performance in environmental preservation, economic growth and social responsibilities (ethics). Every one of us will enhance its knowledge and awareness on the environment, economies and societies on a global scale and act with responsibility in pursuit of a sustainable society.

2. Compliance with laws and other requirements

We will comply with legal requirements in respective countries and regions, as well as our Group standards. In addition, we will respect, in an equitable manner, expectations of our stakeholders and consensus in the international community.

3. Consideration for the environment throughout the entire life cycle of products and services

We are committed to reducing the environmental load in all stages throughout the entire life cycle of products and services, recognizing that responsibility for a product rests with its manufacture.

4. Initiatives to counter global warming

We will continuously reduce greenhouse gas emissions that derive from our business activities from the perspective of the life cycle of our products and services throughout the entire Group, recognizing that global warming is one of the most important world issues.

5. Initiatives toward a recycling-oriented society

We are always reviewing what we can do as a corporate citizen in order to create recycling-oriented society while striving for minimizing consumption of natural resources and promoting "Zero Waste Emission" activities. In addition, we will accelerate initiatives for the recovery and recycling of end-of-life products and packaging materials.

6. Prevention of chemical pollution and minimization of potential risks to the environment

We will take every countermeasure for preventing chemical pollutions, recognizing that chemical substances can impose significant impact on human health and safety and the environment. At the same time, we will continuously suppress use of chemicals and reduce discharge volume in order to minimize environmental risks.

7. Promotion of information disclosure

We will execute accountability to all the stakeholders by actively disclosing environmental information and ensuring risk communication. We will as well make every effort to accomplish our commitment to the societies. Our Environmental Policy is to be disclosed to the public.

8. Establishment of environmental objectives and targets

We establish and administer environmental objectives, targets, and management programs to translate this Environmental Policy into reality. We will continuously review such objectives, targets and programs for further improvement of our environmental performance.

April 1, 2017
Konica Minolta, Inc.
President and CEO



Shohei Yamana

In order for a company to grow sustainably in the future, it is essential not only to pursue economic value but also to address important issues facing society including environmental problems. Based on the environmental policy, Konica Minolta will continue to reduce environmental impact across the whole product lifecycle, from product development through procurement, manufacturing, distribution, sales, customer service and recycling, under the philosophy of “The Creation of New Value.”

In the product lifecycle, we will expand our business by M & A and enter new projects in our business activities, including suppliers, outsourcing partners and customers.

Eco Vision 2050

“Carbon Minus” by 2050: Long-Term Environmental Target Eco Vision 2050

Given the urgency of global environmental issues, global businesses have a great responsibility to help build a more sustainable society by reducing environmental impact.

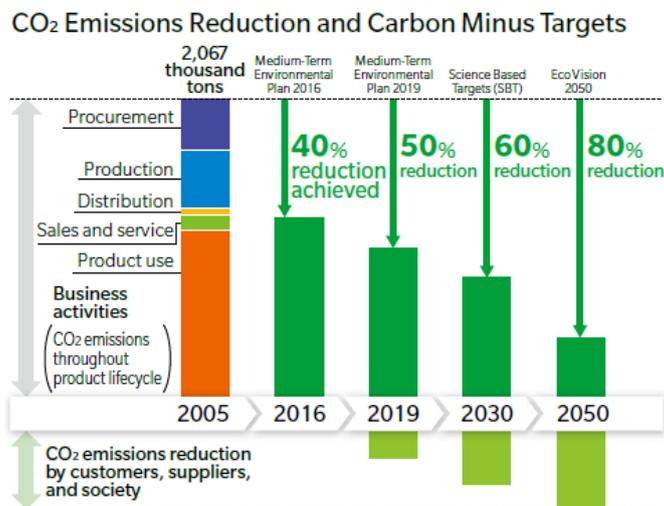
With Eco Vision 2050, Konica Minolta exemplifies its determination to fulfill its long-term environmental responsibilities. The company has taken a series of actions under the Medium-Term Environmental Plan 2016, which set fiscal 2016 as a target year.

In order to further strengthen environmental action in fiscal 2017, the company added a more ambitious goal, to Eco Vision 2050, the “Carbon Minus” concept. With Eco Vision 2050, Konica Minolta aims to reduce the CO₂ emissions from its products throughout their entire life cycle by 80% compared to fiscal 2005 levels by 2050. The addition of “Carbon Minus” is a new commitment to achieve a CO₂ emissions reduction effect that exceeds the CO₂ emissions produced by Konica Minolta’s business activities through cooperation with stakeholders such as business partners, customers and local communities.

If the company can reduce its CO₂ emissions by 80% by 2050, the remaining 20% will be approximately 400,000 tons. By helping stakeholders utilize Konica Minolta’s technologies and expertise to reduce their own CO₂ emissions by 400,000 tons or more, the net outcome will be that society’s overall CO₂ emissions resulting from Konica Minolta’s activities will be negative. This is the “Carbon Minus” status that Konica Minolta is pursuing.

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- New Eco Vision 2050**
1. Reduce CO₂ emissions throughout the product lifecycle by 80% by 2050, compared to fiscal 2005 levels. Also through cooperation with stakeholders, achieve CO₂ emission reductions are greater than product lifecycle emissions, and realize Carbon Minus status.
 2. Promote recycling and effective use of Earth's limited resources
 3. Work to promote restoration and preservation of biodiversity



CO₂ Reduction Target Approved by the SBT Initiative

When formulating the Medium-Term Environmental Plan 2019, Konica Minolta backcasted from Eco Vision 2050 to set a medium-term goal for the year 2030, to reduce CO₂ emissions by 60% from fiscal 2005 levels. The goal was approved by the international SBT Initiative* as a target with a scientific basis.

* SBT Initiative: Jointly established in 2015 by CDP (formerly the Carbon Disclosure Project), the United Nations Global Compact, the World Resources Institute (WRI), and the World Wide Fund for Nature (WWF).

The SBT Initiative's aim is to promote the achievement of science-based targets (SBTs) for greenhouse gas emissions reduction, in order to keep the increase in global average temperature to well below 2°C above pre-industrial levels.

Medium-Term Environmental Plan

Concept of the Medium-Term Environmental Plan 2019

Greater Business Contribution by Helping Solve Environmental Issues

Under its management vision, Konica Minolta aims to be a global company that is vital to society. To realize this vision, it is necessary to identify social challenges as business opportunities and generate innovative solutions, which in turn will drive Konica Minolta's own sustainable growth.

The Medium-Term Environmental Plan 2019 was launched in fiscal 2017. Under this plan, Konica Minolta will continue to pursue both business growth and environmental action, a concept initiated with the Medium-Term Environmental Plan 2016. The aim is to grow the business, including sales and profits, by helping solve environmental issues.

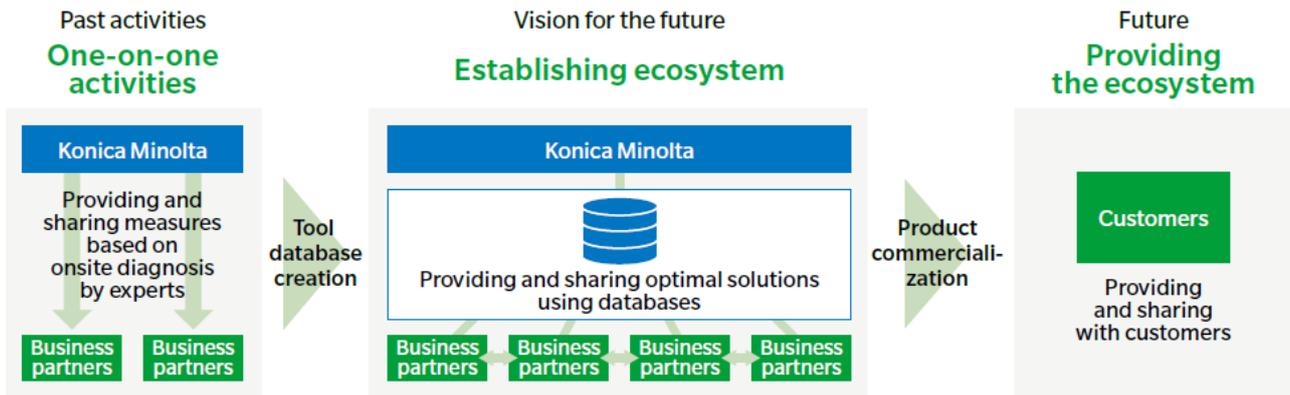


Creation of Shared Value with Stakeholders to Realize "Carbon Minus" Status

When working to overcome environmental challenges on a global scale, there is a limit to what can be achieved by just one company. This is why it is essential to expand the impact of environmental efforts by working with stakeholders such as suppliers, customers, and local communities.

Under its Medium-Term Environmental Plan 2019, the company is working toward the Carbon Minus goal indicated in Eco Vision 2050. The aim is to reduce the environmental impact of society as a whole by collaborating with a wide range of stakeholders.

For example, by creating a database of energy-saving methods used internally and sharing it with business partners, Konica Minolta can help suppliers to devise and implement their own energy-saving measures. By sharing these activities with customers and expanding the circle of cooperation globally, Konica Minolta believes that it can make a dramatic contribution to solving global environmental problems.



Measures to Achieve “Carbon Minus” Status

- 1 **Solutions for customer environmental challenges:** Customer CO₂ emissions reduction, resource saving, and sales contribution
- 2 **Environmental support for suppliers:** Supplier CO₂ emissions reduction, resource saving, and cost reduction
- 3 **Circular economy (recycled materials):** CO₂ emissions reduction for society, waste problem solutions, and creation of new businesses and employment

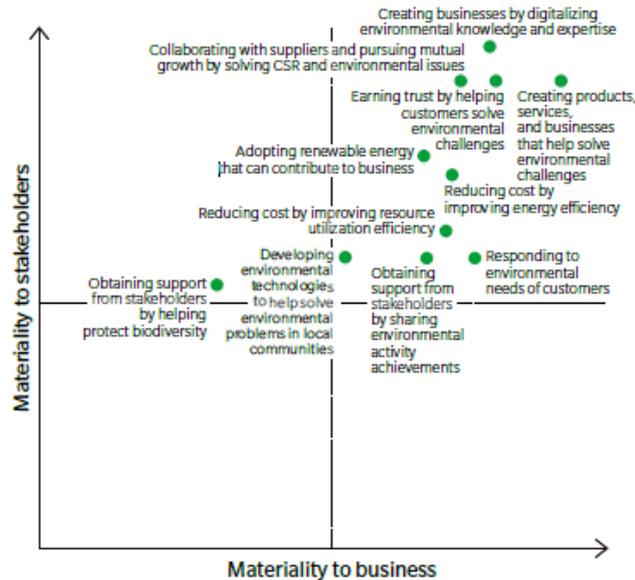


Identifying Material Issues from Both Risks and Opportunities

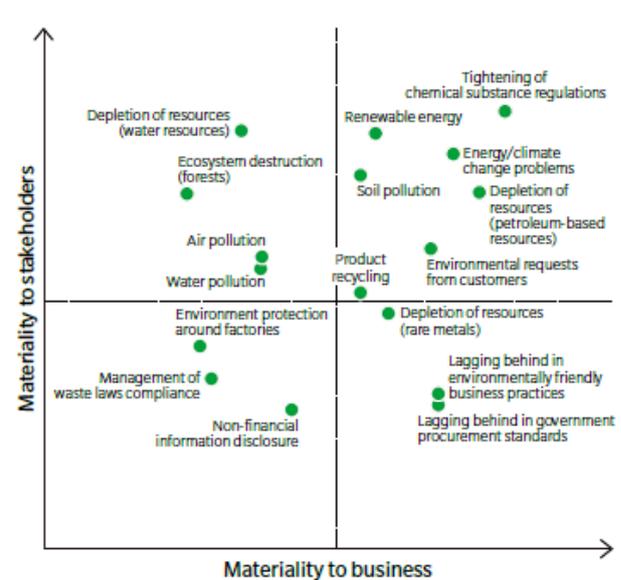
When formulating the medium-term environmental plan, Konica Minolta identified various environmental factors related to its business in terms of both risks and opportunities. Based on these findings, material issues were selected where solutions can lead to business growth. The company reviews each material issue annually to ensure the issues selected and related plans are appropriate.

Through this process, goals for reinforcing the business are matched with environmental targets. The plan then becomes a commitment for both top management and the entire organization, resulting in effective environmental management.

Materiality Analysis (Opportunities)



Materiality Analysis (Risks)



Goals of the Medium-Term Environmental Plan 2019 and Fiscal 2017 Plan

Green Products (planning and development)

Medium-Term Environmental Plan 2019		Fiscal 2018 Targets	
Business value	Environmental value	Business value	Environmental value
Creation of Sustainable Green Products (SGPs) sought by customers and society			
Sales · Sustainable Green Products sales: 770 billion yen (sales ratio: 70%) Cost reductions · Resource-saving cost reduction	Preventing global warming · CO ₂ emissions reduction during product usage: 17.2 thousand tons · CO ₂ emissions reduction in the procurement stage: 45.9 thousand tons Supporting a recycling-oriented society · Effective resource utilization: 11.3 thousand tons Reducing chemical substance risks · Control emissions + Social issue solutions based on SDGs	Sales · Sustainable Green Products sales: 700 billion yen (sales ratio: 65%) Cost reductions · Resource-saving cost reduction	Preventing global warming · CO ₂ emissions reduction during product usage: 13.2 thousand tons · CO ₂ emissions reduction in the procurement stage: 39.8 thousand tons Supporting a recycling-oriented society · Effective resource utilization: 10.4 thousand tons
Complying with government procurement standards and environmental label requirements			
Sales · Eliminate lost sales opportunities	Environment overall · Reduce environmental impact through compliance with standards	Sales · Eliminate lost sales opportunities	Environment overall · Reduce environmental impact through compliance
Dependably complying with product-related laws and regulations			
Risk avoidance · Eliminate effect on sales	Reducing chemical substance risks · Reduce hazardous chemical substance risk by conforming to laws and regulations	Risk avoidance · Eliminate effect on sales	Reducing chemical substance risks · Reduce hazardous chemical substance risk by conforming to laws and regulations

Green Factories (procurement and production)

Medium-Term Environmental Plan 2019		Fiscal 2018 Targets	
Business value	Environmental value	Business value	Environmental value
Excellent Green Factory activities			
Cost reductions · Energy and resource cost reduction	Preventing global warming · CO ₂ emissions reduction in production activities: 19 thousand tons Supporting a recycling-oriented society · Effective resource utilization: 2.8 thousand tons Restoring and preserving biodiversity · Water consumption reduction: 220 thousand m ³	Cost reductions · Energy and resource cost reduction	Preventing global warming · CO ₂ emissions reduction in production activities: 23.4 thousand tons Supporting a recycling-oriented society · Effective resource utilization: 4.8 thousand tons Restoring and preserving biodiversity · Water consumption reduction: 213 thousand m ³
Expansion of Green Supplier activities			
Cost reductions · Supplier cost reductions Sales · Measures and expertise database creation, and knowledge commercialization	Preventing global warming · CO ₂ emissions reduction at suppliers: 5 thousand tons Supporting a recycling-oriented society · Effective resource utilization at suppliers: 0.25 thousand tons + Social issue solutions based on SDGs	Cost reductions · Supplier cost reductions	Preventing global warming · CO ₂ emissions reduction at suppliers: 5.4 thousand tons Supporting a recycling-oriented society · Effective resource utilization at suppliers: 0.35 thousand tons
Expanded adoption of renewable energy			
Sales · Eliminate lost sales opportunities	Preventing global warming · Renewable energy ratio: 1% + Social issue solutions based on SDGs	Sales · Eliminate lost sales opportunities	Preventing global warming · Renewable energy ratio: 0.6%
Supply chain risk response			
Risk avoidance · Eliminate environmental impact from procurement, production, and sales	Environment overall · Environmental impact reduction through standards compliance	Risk avoidance · Eliminate environmental impact from procurement, production, and sales	Environment overall · Environmental impact reduction through standards compliance

Green Marketing (distribution, sales and service, and collection and recycling)

Medium-Term Environmental Plan 2019		Fiscal 2018 Targets	
Business value	Environmental value	Business value	Environmental value
Strengthening relationships with customers globally			
Sales · Acquire sales opportunities	Environment overall · Reduce environmental impact by customers + Social issue solutions based on SDGs	Sales · Acquire sales opportunities	Environment overall · Reduce customer's environmental impact
Optimizing the supply chain and linking environmental initiatives			
Cost reductions · Reduce cost of distribution and packaging	Preventing global warming · CO ₂ emissions reduction in distribution: 0.3 thousand tons Supporting a recycling-oriented society · Effective resource utilization: 0.04 thousand tons	Cost reductions · Reduce cost of distribution and packaging	Preventing global warming · CO ₂ emissions reduction in distribution: 0.4 thousand tons Supporting a recycling-oriented society · Effective resource utilization: 0.02 thousand tons
Complying with laws on collection and recycling of used products			
Risk avoidance · Eliminate effect on sales	Supporting a recycling-oriented society · Resource recycling through collection and recycling of used products	Risk avoidance · Eliminate effect on sales	Supporting a recycling-oriented society · Resource recycling through collection and recycling of used products

Fiscal 2017 Targets and Results

Fiscal 2017 Targets and Results

Green Products (planning and development)

Fiscal 2017 targets		Fiscal 2017 results			
Business value	Environmental value	Business value		Environmental value	
(1) Creating of Sustainable Green Products (SGPs) sought by customers and society					
Sales <ul style="list-style-type: none"> Sustainable Green Products sales: 640 billion yen (sales ratio: 65%) Cost reductions <ul style="list-style-type: none"> Resource-saving cost reduction 	Preventing global warming <ul style="list-style-type: none"> CO₂ emissions reduction during product use: 11.2 thousand tons CO₂ emissions reduction in the procurement stage: 36.9 thousand tons Supporting a recycling-oriented society <ul style="list-style-type: none"> Effective resource utilization: 9.3 thousand tons 	Sales <ul style="list-style-type: none"> Sustainable Green Products sales: 657.6 billion yen (sales ratio: 64%) Cost reductions <ul style="list-style-type: none"> Resource-saving cost reduction 	○	Preventing global warming <ul style="list-style-type: none"> CO₂ emissions reduction during product use: 10.9 thousand tons CO₂ emissions reduction in the procurement stage: 37.1 thousand tons Supporting a recycling-oriented society <ul style="list-style-type: none"> Effective resource utilization: 10.3 thousand tons 	○
(2) Complying with government procurement standards and environmental label requirements					
Sales <ul style="list-style-type: none"> Eliminate lost sales opportunities 	Environment overall <ul style="list-style-type: none"> Reduce environmental impact through compliance with standards 	Sales <ul style="list-style-type: none"> Eliminate lost sales opportunities 	○	Environment overall <ul style="list-style-type: none"> Reduce environmental impact through compliance with standards 	○
(3) Dependably complying with product-related laws and regulations					
Risk avoidance <ul style="list-style-type: none"> Eliminate effect on sales 	Reducing chemical substance risks <ul style="list-style-type: none"> Reduce hazardous chemical substance risk by conforming to laws and regulations 	Risk avoidance <ul style="list-style-type: none"> Eliminated effect on sales 	○	Reducing chemical substance risks <ul style="list-style-type: none"> Reduce hazardous chemical substance risk by conforming to laws and regulations 	○

Green Factories (procurement and production)

Fiscal 2017 targets		Fiscal 2017 results			
Business value	Environmental value	Business value		Environmental value	
(1) Excellent Green Factory activities					
Cost reductions <ul style="list-style-type: none"> Energy and resource cost reduction 	Preventing global warming <ul style="list-style-type: none"> CO₂ emissions reduction in production activities: 17.4 thousand tons Supporting a recycling-oriented society <ul style="list-style-type: none"> Effective resource utilization: 1.9 thousand tons Restoring and preserving biodiversity	Cost reductions <ul style="list-style-type: none"> Energy and resource cost reduction 	○	Preventing global warming <ul style="list-style-type: none"> CO₂ emissions reduction in production activities: 25.6 thousand tons Supporting a recycling-oriented society <ul style="list-style-type: none"> Effective resource utilization: 4.0 thousand tons Restoring and	○

	<ul style="list-style-type: none"> Water consumption reduction: 150 thousand m³ 			<ul style="list-style-type: none"> preserving biodiversity Water consumption reduction: 259 thousand m³ 	
(2) Expansion of Green Supplier activities					
Cost reductions <ul style="list-style-type: none"> Supplier cost reductions 	Preventing global warming <ul style="list-style-type: none"> CO₂ emissions reduction at suppliers: 3 thousand tons Supporting a recycling-oriented society <ul style="list-style-type: none"> Effective resource utilization at suppliers: 0.15 thousand tons 	Cost reductions <ul style="list-style-type: none"> Supplier cost reductions 	○	Preventing global warming <ul style="list-style-type: none"> CO₂ emissions reduction at suppliers: 3.4 thousand tons Supporting a recycling-oriented society <ul style="list-style-type: none"> Effective resource utilization at suppliers: 0.26 thousand tons 	○
(3) Expanded adoption of renewable energy					
Sales <ul style="list-style-type: none"> Eliminate lost sales opportunities 	Preventing global warming <ul style="list-style-type: none"> Renewable energy ratio: 0.2% 	Sales <ul style="list-style-type: none"> Eliminate lost sales opportunities 	○	Preventing global warming <ul style="list-style-type: none"> Renewable energy ratio: 0.4% 	○
(4) Supply chain risk response					
Risk avoidance <ul style="list-style-type: none"> Eliminate environmental impact from procurement, production, and sales 	Environment overall <ul style="list-style-type: none"> Environmental impact reduction through standards compliance 	Risk avoidance <ul style="list-style-type: none"> Eliminate environmental impact from procurement, production, and sales 	○	Environment overall <ul style="list-style-type: none"> Environmental impact reduction through standards compliance 	○

Green Marketing (distribution, sales and service, and collection and recycling)

Fiscal 2017 targets		Fiscal 2017 results			
Business value	Environmental value	Business value		Environmental value	
(1) Strengthening relationships with customers globally					
Sales <ul style="list-style-type: none"> Acquire sales opportunities 	Environment overall <ul style="list-style-type: none"> Reduce customer's environmental impact 	Sales <ul style="list-style-type: none"> Acquire sales opportunities 	○	Environment overall <ul style="list-style-type: none"> Reduce customer's environmental impact 	○
(2) Optimizing the supply chain and linking environmental initiatives					
Cost reductions <ul style="list-style-type: none"> Reduce cost of distribution and packaging 	Preventing global warming <ul style="list-style-type: none"> CO₂ emissions reduction in distribution: 0.3 thousand tons Supporting a recycling-oriented society <ul style="list-style-type: none"> Effective resource utilization: 0.005 thousand tons 	Cost reductions <ul style="list-style-type: none"> Reduced cost of distribution and packaging 	○	Preventing global warming <ul style="list-style-type: none"> CO₂ emissions reduction during distribution: 0.5 thousand tons Supporting a recycling-oriented society <ul style="list-style-type: none"> Effective resource utilization: 0.007 thousand tons 	○
(3) Complying with laws on collection and recycling of used products					
Risk avoidance <ul style="list-style-type: none"> Eliminate effect on sales 	Supporting a recycling-oriented society <ul style="list-style-type: none"> Resource recycling through collection and recycling of used products 	Risk avoidance <ul style="list-style-type: none"> Eliminate effect on sales 	○	Supporting a recycling-oriented society <ul style="list-style-type: none"> Resource recycling through collection and recycling of used products 	○