

## Activities Related to ISO 14001

As part of the Company's efforts to develop long-term and company-wide environmental conservation activities that are in line with NGK's Core Policy on the Environment, continuing efforts are being made to acquire ISO 14001 or equivalent certifications. In March 1998, NGK's three main domestic production bases simultaneously received ISO 14001 certification, and by March 2005, 13 business sites at domestic,

and eight at overseas Group companies also received certification. As of 2004, there were 13 domestic and 17 overseas consolidated Group manufacturing companies, and the aim in 2005 is to acquire certification at all sites. Furthermore, in March 2005, headquarters divisions at the Nagoya Plant passed a screening for expanding the scope of certification.

### NGK Group ISO 14001 and Corresponding Certifications (Overseas Included)

Business sites		2001	2002	2003	2004	2005
		: Acquired (FY)				
NGK Insulators, Ltd.						
Nagoya Plant (including Engineering Business Group, R&D section, and headquarters divisions)						
Chita Plant						
Komaki Plant						
Domestic Group companies	Power Business	Energy Support Corporation, Main Plant				
		Akechi Insulators Co., Ltd., Akechi and Matoba plants				
	Ceramic Products Business	Ikebukuro Horo Kogyo Co., Ltd.				
		NGK Filtech, Ltd.				
		NGK Adrec Co., Ltd.				
		NGK Kilntech Corporation				
	Heisei Ceramics Co., Ltd.					
	Electronics Business	NGK Optoceramics Co., Ltd.				
		NGK Printer Ceramics Co., Ltd.				
		Komaki Plant/Yamanashi Plant				
		NGK Okhotsk, Ltd.				
		Soshin Electric Co., Ltd.				
Asama Plant						
Chikuma Plant						
Miyazaki Plant						
NGK Mettex Corporation						
NGK Fine Molds, Ltd.						
Overseas Group companies	Power Business	Locke Insulators, Inc.				
		NGK-Locke Polymer Insulators, Inc.				
		NGK Europe S.A.				
		P.T. WIKA-NGK Insulators				
		NGK Insulators Tangshan Co., Ltd.				
	NGK Stanger Pty. Ltd.					
	Ceramic Products Business	NGK Ceramics USA, Inc.				
		NGK Ceramics Europe S.A.				
		NGK Ceramics Polska Sp. z o. o.				
		P.T. NGK Ceramics Indonesia				
		Siam NGK Technocera Co., Ltd.				
		NGK Ceramics Suzhou Co., Ltd.				
		NGK Technocera Suzhou Co., Ltd.				
	NGK Ceramics South Africa (Pty) Ltd.					
	Electronics Business	FM Industries, Inc.				
NGK Metals Corporation						
NGK Berylco France						

(\*) NGK headquarters divisions acquired this in 2004

NGK Ceramics Polska Sp. z o. o. was consolidated during 2004, and from 2004, has been listed in the acquisition plan.

### Group Company Activities

In 2004, four domestic and two overseas Group companies acquired ISO 14001 and other certifications for their environmental management systems. These companies are achieving successes in all

environmental management activities that support all aspects of their business activities, and here we introduce four domestic Group companies.

**Ikebukuro Horo Kogyo Co., Ltd.**

Ikebukuro Horo Kogyo acquired ISO 9001 quality management system certification in August 1997, and in April 2004, acquired ISO 14001 environmental management system certification. Between these two certifications, environmental training and education was given to all employees. While increasing employee awareness as regards the environment, the company constructed an environmental management system appropriate to the company. In the future, Ikebukuro Horo Kogyo will maintain its environmental management system, and

use improvements in this to bring about an even better social environment, and to carry out activities to contribute towards the regional society.



Staff of Ikebukuro Horo Kogyo participating in the acquisition of ISO 14001 certification

**Environmental policies (extract)**

Ikebukuro Horo Kogyo Co., Ltd. assesses the environmental impact of all manufacturing activities within its premises, and it carries out continuous implementation of the following activities in order to create a better social environment, with the aim of achieving harmony with regional society.

- (1) Carry out ongoing improvements in environmental management systems.
- (2) Strictly adhere to legal and other requirements as regards the prevention of environmental pollution.
- (3) Work towards the prevention of environmental pollution by reducing the impact on the environment, and by maintaining resource savings.
- (4) Work for improved environmental training and education, and raise employee awareness as regards the environment.



**NGK Filtech, Ltd.**

NGK Filtech manufactures products that have a low impact on the environment. Accordingly, the company had a low level of environmental awareness, and was not active in separating garbage or in adjusting the temperature settings for air conditioners. Therefore, to acquire certification in December 2004, the company focused on increasing awareness of environmental friendliness. In the future, along with promoting energy- and resource-saving product designs, the company will make many efforts for conservation of the environment in procurement and usage of environmentally

conscious parts and materials. Furthermore, NGK Filtech will strive for even more employee awareness as regards the environment, and will work toward higher ratios of recycling of by-products.



NGK Filtech

**Environmental policies**

NGK Filtech Ltd. reduces the impact on the environment from its development and manufacturing activities at its plant, and carries out the following specific activities in order to both contribute towards the construction of a recycling-oriented society and to provide products that better contribute toward the environment; furthermore, the company increases its environmental performance.

- (1) Continuously improve the company's environmental management systems, improve the effectiveness and reliability of these systems, and strive to reduce pollution.
- (2) Strictly adhere to relevant laws and other requirements that have been agreed upon by the company.
- (3) Appropriately assess the impact on the environment of the company's activities, and where technically and economically feasible, establish environmental goals and targets, and review these in a timely manner; continuously develop the quality of environmental conservation activities.

- (4) Aiming at forming a recycling-based society, strive for environmental conservation by reducing the environmental impact, and promoting resource-saving activities.
  - Promotion of energy-saving activities
  - Promotion of reduced-resource policies
  - Reductions in waste and the promotion of its recycling
  - Prevention of environmental "near misses"
  - Appropriate management of chemical agents
- (5) Aim for the development of environmentally conscious product processes, and the promotion of environmentally conscious product development and design.
- (6) Carry out training and education starting with employees and suppliers, in order to raise awareness of the environment.



## Heisei Ceramics Co., Ltd.

In February 2005, Heisei Ceramics acquired "Eco Stage 2" certification, equivalent to international standards as regards environmental management systems. In the future, the company will further promote environmental conservation activities in line with NGK's environmental guidelines and the NGK Group Guidelines for Corporate Behavior. Additionally, Heisei Ceramics will take this opportunity

of acquiring Eco Stage 2 certification to engage in environmentally conscious business activities, and to carry out ongoing improvements.



Staff of Heisei Ceramics engaged in environmental activities

### Environmental policies

1. Based on the fact that Heisei Ceramics manufactures ceramic products at its factories, the company assesses its impact upon the environment and strives to prevent environmental pollution by implementing the following measures.
  - (1) Promoting reductions in resource and energy usage and controlling CO<sub>2</sub> emissions.
  - (2) Accelerating the separation of wastes and working towards their reduction.
  - (3) Striving to give priority to the purchasing of environmentally conscious materials.
  - (4) Carrying out training and regional activities in order to raise employees' environmental awareness.
2. Strictly adhere to environment-related laws and other requirements that have been agreed upon by the company.

3. To implement and accomplish these environmental guidelines, establish environmental goals and targets, and carry out reviews aiming to achieve ongoing improvements to the environmental management system.
4. Ensure that these environmental guidelines are made known to all employees by displaying them on the internal company notice board.
5. Ensure that these guidelines are documented and disclosed in response to any external requests.



## NGK Mettex Corporation

In March 2005, NGK Mettex acquired "Eco Stage 2" certification, equivalent to international standards as regards environmental management systems. In the future, the company will further promote environmental conservation activities in line with NGK's environmental guidelines and the NGK Group Guidelines for Corporate Behavior, and will also raise the awareness of all individual employees. By making

sure that these measures are in place, NGK Mettex Corporation is ensuring that these will lead to a cycle of yearly improvements and increases.



NGK Mettex staff

### Environmental policies

1. Accurately assess the impact of all activities carried out by the company and all their products; where technically and economically feasible, establish environmental goals and targets and work towards the reduction of environmental pollution, and review these in a timely manner; continuously enhance the quality of environmental management systems.
2. Strictly adhere to environment-related laws, regulations, and other requirements that have been agreed upon by the company; push ahead with independent environmental activities; aim to further improve environmental conservation.

3. Work with the priority on the following environmental management themes as regards the environmental impact of NGK Mettex's activities and products.
  - (1) Energy conservation through reductions in electricity-usage amounts.
  - (2) Resource conservation through reductions in material-usage amounts.
  - (3) Reductions in waste quantities.



## Environmental Auditing

Even before ISO 14001 certification, NGK performed its own internal environmental inspections, working to improve its environmental conservation activities. Today, 189 internal auditors are assigned to our various departments, performing audits once a year. Additionally, in 2004, the Nagoya, Chita, and Komaki plants were subject to external inspections as regards ISO 14001 certification, and these found no major

faults.

At the same time, at the Nagoya Plant, an expanded survey was carried out at its headquarters site. Sections that were audited included divisions such as the Secretarial Office and Corporate Strategy, and the Planning and Sales Divisions of each Business Group, and these have acquired ISO 14001 certification.