

Highlights of FY2004

Following the slogan, "Think Globally, Act Locally," the Kawasaki Group remains actively committed to the realization of a sustainable society.

Environmental Management

(p7 to p11)

EMS development is in progress at offices and affiliates

Major affiliates in Japan are developing an environmental management system (EMS) to fulfill our 2010 Environmental Vision of "establishing and implementing EMS by the Kawasaki Group."

In March 2005, the Kobe Head Office acquired Kobe Environmental Management System (KEMS) certification.



KEMS certification mark

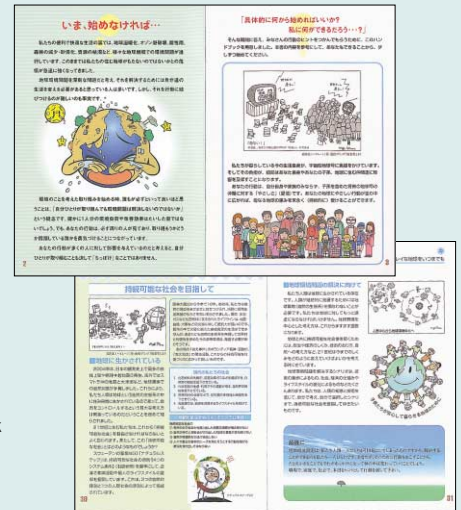
Kobe Head Office

Kawasaki Environmental Handbook is published

As part of our in-house environmental education, we published our Environmental Handbook in March 2005.



Kawasaki Environmental Handbook



Kawasaki is committed to contributing to the realization of a "hydrogen energy society" that is friendly to the environment

Hydrogen is a clean energy source that generates only water when burned. Utilizing our comprehensive knowledge of cryogenic technology such as that used in the liquid hydrogen storage-supply station for Japan's H-II rockets, we are working to develop and construct liquid hydrogen containers and tankers.



Liquid hydrogen container

Environmentally Conscious Products

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New aluminum alloy joining technology is developed that can reduce electricity consumption by 95% or more

We have developed a unique friction spot joining (FSJ) technology for aluminum and other light metal components in which the joining spots of components are softened with frictional heat, and then the components are joined together to make a permanent joint. We have also created a robot product designed for this purpose.

Compared with conventional resistance spot welding techniques, the power consumption with this new technology is reduced by 95% or more.



Typical system configuration that combines the special gun and an articulated robot

Environmentally Conscious Production

(p21 to p22)

Gas turbine cogeneration system started at Gifu Works

In August 2004, the Gifu Works introduced a gas turbine cogeneration system. This system will improve the total energy efficiency for electricity and steam and reduce CO₂ emissions by 14%.



Cogeneration system



Commissioning ceremony

All Kawasaki works achieve zero emissions

The Gifu Works and Yachiyo Works achieved zero emissions, meaning that all Kawasaki works have achieved zero emissions.



Gifu Works



Yachiyo Works

Coexistence with Communities

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BULL DOG humanitarian de-mining system makes a great step toward practical use

Our BULL DOG system, which detects, excavates and detonates antipersonnel mines, underwent a demonstration test in real mine fields in Afghanistan from June 2004 to February 2005.



MINE DOG mine detection vehicle



MINE BULL mine clearance vehicle

Preparing for large-scale disasters

In order to begin relief activities promptly in the event of a large-scale disaster, the safety of our employees and their family members needs to be verified quickly. For this purpose, we have developed a Safety Confirmation System that uses the Internet and the telephone network.

