

# Global Effort for Environmental Care in All Manufacturing Bases

This chapter shows the outline and environmental protection activities of manufacturing plants of FDK Group.

## Kosai Plant

Started operation in	June 1963
Address	2281, Washizu, Kosai City, Shizuoka Prefecture 431-0495
Tel	053-576-2151
Production item	Switching power supplies, actuator units, microwave components, power inductors, HF multi-layer chips and toners

Located at the western edge of Shizuoka Prefecture and facing to Lake Hamanako, famous at eel, Kosai Plant is the center of research and development as well as manufacturing of FDK Group. In fiscal 2004, the plant took a central role in the environmental activities of FDK Group including planning, guiding and leading other plants in terms of various environmental rules and regulations for the entire group. The activities of Kosai Plant during fiscal 2004 include the following items.

- 13 development items were selected as Super-Green Products having top environmental elements mainly by the plant's research and development function (eco-friendly product development). All the requirements by customers for complying with the RoHS Directive were responded and met.
- Due to an increase in production volume, CO<sub>2</sub> emission was slightly increased. However, the energy consumption per unit of production was reduced due to a through control by compiling electricity control standards. The efforts were recognized from the Japanese Government as an

- excellent factory of energy control.
- All wastes generated by the plant were recycled. For example, waste plastics which had long been a concern of the plant for management were separated by increased separation category. Thus, zero emission of wastes was achieved in the plant.

In the future, the plant will commit itself in efficient use of materials and reducing the volume of waste generated in the plant i.e. using waste paper as resources.



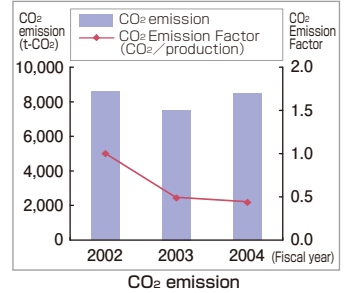
Kosai Plant is involved in the environmental preservation activity of Lake Hamanako.



Osamu Akama, Plant Manager

### Activity Data Fiscal 2004

Wastes			
Volume of wastes generated (t)	Volume of wastes recycled (t)	Recycling ratio (%)	
359	235	65	
Energy Consumption			
Utility Power (MWh)	City Gas (Km <sup>3</sup> )	Kerosene (kl)	CO <sub>2</sub> eq. (t-CO <sub>2</sub> )
17,711	314	2	8,469



## Sanyo Plant

Started operation in	January 1970
Address	5-Ku, Honmachi, Sanyo-Onoda City, Yamaguchi Prefecture, 757-8585
Tel	0836-72-1311
Production item	Hybrid modules and piezoceramic parts

Located at Asa in northern Sanyo-Onoda City on the west coast of Seto Inland Sea in Yamaguchi Prefecture and facing to Suonada, Sanyo Plant is blessed with natural beauty.

Sanyo Plant is now in the process of shifting ferrite production to mass production of FPD (flat panel display) and other electronic parts and piezoceramic applied products. The change of production mode will incur significant impact on the plant's energy conditions. In this process, the following items are particularly emphasized.

- Prevention of global warming: to reduce energy consumption
- Promotion of a green factory
  - Reduction of toluene emission in the atmosphere
  - Reduction of waste generated
  - Achieving zero emission of wastes

In particular, efficient utilization of waste plastics and waste solvents contributed the plant to achieve zero emission at the end of fiscal 2004.

In the future, the plant is determined to promote environmental protection activities and to make utmost efforts in reducing environmental burdens with the entire efforts of the staff in the plant.



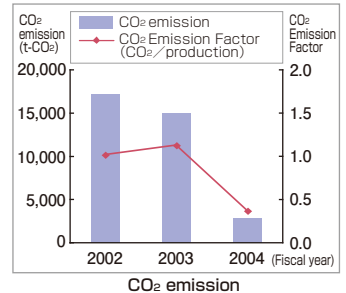
Cherry blossoms planted in the factory premises in full bloom



Kenji Yamada, Plant Manager

### Activity Data Fiscal 2004

Wastes		
Volume of wastes generated (t)	Volume of wastes recycled (t)	Recycling ratio (%)
658	138	21
Energy Consumption		
Utility Power (MWh)	LPG (ton)	CO <sub>2</sub> eq. (t-CO <sub>2</sub> )
4,928	252	2,890



※Note: The CO<sub>2</sub> emission factors in the above graphs are calculated based on the achievement of fiscal 2002 as 1.

## Iwaki Plant

Started operation in	April 2002 (by merging former Iwaki Electronics which was established in December 1966.)
Address	1, Kamanomae, Joban-kamiyunagaya-machi, Iwaki City, Fukushima Prefecture 972-8322
Tel	0246-43-4161
Production item	Hybrid modules

Products manufactured in Iwaki Plant where a mass production plant of FDK Group include FPD (flat panel display) modules and parts for mobile communication equipment. Blessed with the abundant nature, cherry blossoms and azaleas are in full bloom in spring.

### Environmental Activity Topics in fiscal 2004

1. Compliance to the RoHS Directives was progressed in the development of eco-friendly products. Especially, all the VCOs (voltage controlled oscillator) produced in this plant became RoHS compliant.
2. Reduction of toluene, the PRTR targeted substance was addressed for appropriate control of hazardous chemical substances. Alternative washing agents of jigs were examined and selected. The total volume of toluene consumed in the plant was decreased by 44% over that in the previous

year, coupled with the employment of an alternative washing agent for SMT (surface mount technology) in the previous year.

3. Use of returnable containers was started for transporting parts between customers and Iwaki Plant. This is a part of the plant's production innovation to reduce generation of wastes. The activity is expected to reduce the volume of using cardboard boxes in the future.



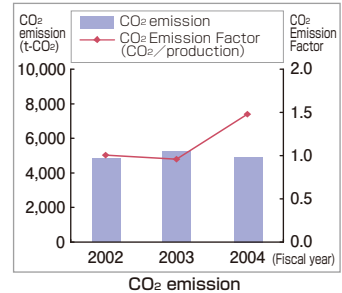
Azaleas planted along the main gate



Tadashi Onizuka, Plant Manager

### Activity Data Fiscal 2004

Wastes			
Volume of wastes generated (t)	Volume of wastes recycled (t)	Recycling ratio (%)	
209	209	100	
Energy Consumption			
Utility Power (MWh)	Bunker A (kℓ)	LPG (ton)	CO <sub>2</sub> eq. (t-CO <sub>2</sub> )
9,780	198	30	4,923



## FDK Engineering Co., Ltd.

Established in	September 1990 (by separation of machinery business function of FDK; Former Hosoe Plant started operation in November 1963)
Address	281, Hirooka, Hosoe-Cho, Hamamatsu City, Shizuoka Prefecture 431-1302
Tel	053-522-5280
Business lines	Design, manufacture and sales of various manufacturing facilities

Located at the northeast end of Lake Hamanako and blessed with abundant nature, FDK Engineering is engaged in production of manufacturing facilities. The beautiful climate around the area stimulates the company to be highly environmental conscious in order to keep the local and global environment in good condition. The main environmental preservation activities of the company include: (1) use of production facility with eco-friendly design that aims at prohibiting hazardous chemical substances and materials for the machine and equipment and minimizing the facilities to reduce the total amount of hazardous substances and materials, (2) reduction of greenhouse gas emission by reducing total energy consumed by its production facilities and (3) zero emission to reduce disposal of waste materials and packaging materials to a minimum and reuse them as materials. After obtaining the ISO14001 certification together with FDK Corporation, various environmental preservation activities have been settled in the company. The ratio of

achieving the above three targets in fiscal 2004 was 95% to 100%.

The company is actively engaged in keeping good friendship with the local community by participating in cleaning campaigns around the company and waterways in the community. Once a year, the cleaning of the local community is held together with the local residents. Voluntary cleaning activity is also held once a year by the employees of the company. These activities help raising awareness of the employees for contributing to the local community and improvement of the natural environment.



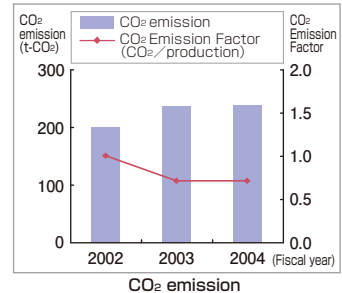
Cleaning activity around the plant premises



Kazuhiko Hironaka, President

### Activity Data Fiscal 2004

Wastes			
Volume of wastes generated (t)	Volume of wastes recycled (t)	Recycling ratio (%)	
11	10	89	
Energy Consumption			
Utility Power (MWh)	CO <sub>2</sub> eq. (t-CO <sub>2</sub> )		
547	239		



## FDK Energy Co., Ltd.

Established in	August 2002 (by separating battery function of FDK. The former Washizu Plant started its operation in February 1950.)
Address	614, Washizu, Kosai City, Shizuoka Prefecture 431-0431
Tel	053-576-2111
Business lines	Manufacturing and sales of alkaline batteries and lithium batteries

Located in the blessed nature of Kosai City on the western coast of Lake Hamanako, FDK Energy is a hub of manufacturing and technical development of alkaline batteries and lithium batteries. In fiscal 2004, its environmental activities were centered on reduction of energy consumption and zero emission of wastes under the condition of increased production volumes year by year.

The reduction of energy consumption included introduction of a smaller-sized thermal contraction furnace used in the manufacturing process. To reduce the generation of wastes, segmented separation of waste plastics were thoroughly done and plastics disposed previously by landfill were recycled. Due to such efforts, zero emission was achieved in March 2005. In addition to this, we encourage our suppliers to revise the practice of using boxes to deliver products to us. This has reduced the volume

of waste box disposal to a quarter. The company's effort for eco-friendly products included promotion of controlling products containing hazardous chemical substances. Use of solder containing lead to soldering connectors and other components was totally eliminated. Besides this, use of packaging materials made of recycled PET materials and intermediate boxes printed by soybean ink are also promoted in the company by which eco-friendly company management is practiced from the design phase of products.



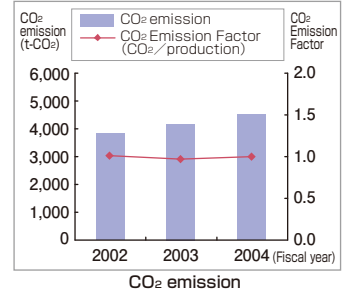
Planting along the main gate



Akira Nagata, President

### Activity Data Fiscal 2004

Wastes		
Volume of wastes generated (t)	Volume of wastes recycled (t)	Recycling ratio (%)
578	529	91
Energy Consumption		
Utility Power (MWh)	Bunker A (kℓ)	CO <sub>2</sub> eq. (t-CO <sub>2</sub> )
9,673	103	4,506



## Fuchi Electronics Co., Ltd. (Taiwan)

Established in	January 1981
Address	No. 355, Section 2, Nankan Road, Rutsu Shan, Tao Yuan, Taiwan
Tel	+886-3-322-2124
Business lines	Manufacturing and sales of hybrid modules

Fuchi Electronics, as a Taiwan-based company, contributes to preserve the global environment and making its working environment comfortable and safe to work to respond to the requirement of our customers for providing green products. At the same time, we will pursue realization of sustainable recycling society by applying environmental management to the design and production of FPD (flat panel display) related electric parts manufacturing. Fuchi Electronics is promoting the following activities.

- Promotion of environmental management system based on ISO14001
- Continuous improvement of environmental preservation efforts by realizing the effect of its products and services on the environment and by continuously implementing such management technology as upstream control, PDCA cycle (incl. environmental policy making, planning, operation, check, correction and revision).
- Among the environmental impacts caused by products and services of Fuchi Electronics, the following environmental burdens are chosen as

main theme of reducing environmental burdens.

- Provision of green products (green procurements and promotion of lead-free).
- Risk minimization (curtailment of using hazardous chemical substances).
- Prevention of global warming (energy saving).
- Reduction of wastes (recycling and reuse of resources).
- Active participation to environmental preservation activities initiated by the communities in Taiwan

In fiscal 2004, the use of energy increased in this company due to an increased production volume. However, we are further placing particular emphasis on provision of green products and risk minimization activities.



EU Directives (WEEE, RoHS and EuP) seminar



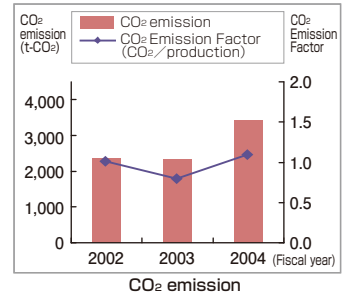
A poster for raising awareness and education of green products



Takashi Aramaki, President

### Activity Data Fiscal 2004

Wastes		
Volume of wastes generated (t)	Volume of wastes recycled (t)	Recycling ratio (%)
318	184	58
Energy Consumption		
Utility Power (MWh)	CO <sub>2</sub> eq. (t-CO <sub>2</sub> )	
4,944	3,411	



## PT FDK Indonesia (Indonesia)

Established in August 1989  
 Address Kawasan Industri MM2100, Blok MM-1 Jatiwangi Cikarang Barat, Bekasi 17520 Jawa Barat, Indonesia  
 Tel +62-21-89982111  
 Business lines Manufacturing and sales of alkaline batteries and lithium batteries

It was in February 2002 when PT FDK Indonesia started its environmental management activities based on ISO14001. Under the recognition that environmental preservation activities are now a part of the social corporate responsibilities, PT FDK Indonesia developed a series of enthusiastic environmental protection activities and succeeded in obtaining the ISO14001 certification in June 2003 together with the quality management certification. The company aims at effective and efficient company management through integrating quality and labor health and safety into one management system.

Believing that the success of realizing such company management system depends on the efforts of its employees, PT FDK Indonesia provides management system, environmental preservation educations and OJTs to newly recruited employees to upgrade the knowledge and skill of all the people working in it. More precisely, the education and training include efficient utilization of global resources, reduction of wastes, control and reduction of using hazardous chemical substances, plant

effluent control, reduction of using utility power and planting around the plant premises. Special effort is placed on recycling of materials used, especially, in the battery manufacturing process from the view point of reducing wastes.

In fiscal 2004, use of utility power increased due to the commencement of lithium coin battery production.

PT FDK Indonesia will pursue environmentally efficient businesses and sustainable company management not limited to the compliance with environment-related regulations and rules as well as other requirements.

<FDK Indonesia's Environmental Action>  
 Established the policy on Environmental ISO (2002)  
 Obtained ISO14001 certification (2003)



Planting in the plant premises



Internal audit education



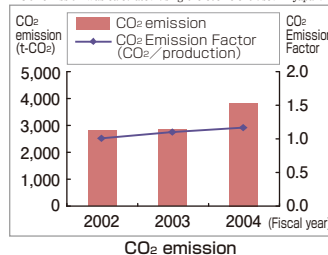
Hideo Yamamoto, President

### Activity Data Fiscal 2004

Wastes		
Volume of wastes generated (t)	Volume of wastes recycled (t)	Recycling ratio (%)
323	※	※

Energy Consumption				
Utility Power (MWh)	Bunker A (kℓ)	Kerosene (kℓ)	Light oil (kℓ)	CO <sub>2</sub> eq. (t-CO <sub>2</sub> )
8,574	42	17	69	4,082

※Recycling of resources outsourced to resource recycling companies is not included as the relevant data was not available.  
 CO<sub>2</sub> emission was calculated using the coefficient used in Japan.



## FDK Lanka (PVT) Ltd. (Sri Lanka)

Established in November 1990  
 Address Ring Road 3, Phase II E.P.Z. Katunayake, Sri Lanka  
 Tel +94-11-225-3492  
 Business lines Manufacturing and sales of optical devices, magnet heads for FDD and rotary transformers

FDK Lanka (PVT) Ltd. was started in 1990 as a company producing magnet heads for FDDs. In 2001, it started its environmental management activities and obtained ISO14001 certification in 2003. The following items were placed as targets and promoted from fiscal 2002 to fiscal 2004 with the objectives of protecting the global environment.

- 20% reductions in waste generation
- Appropriate control of effluents
- Appropriate use and control of hazardous chemical substances
- 40% reductions in energy consumption (per production)
- 1% improvement in the ratio of greenery area in the plant

Thanks to the separation of wastes generated in the plant as well as recycling activities, the volume of wastes was reduced by 46%. In the future, our activities will be directed centered on reduction of the volume of materials input.

After a revision of using hazardous chemical

substances, the company achieved 27% reduction in using them. As for the energy saving, improvement of facilities made to temperature control of cooling towers for Air Conditioner and the use of power efficient fluorescent lights. In addition, working shift which was made to 1 shift system and consolidation and redesigning of facility layouts helped the per product energy consumption decreased by 48%. The ratio of greenery area in the plant was uplifted by 1.1%.

With the slogan of "FDK Group Loves Nature for the Future of the Earth" FDK Lanka will thrive itself for environmental protection activities to protect the beautiful environment of Sri Lanka.



Waste separation boxes



Promotion of green campaign (trees planted along the wall of the factory complex)

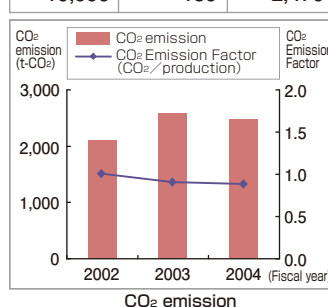


Katsuhiko Kono, President

### Activity Data Fiscal 2004

Wastes		
Volume of wastes generated (t)	Volume of wastes recycled (t)	Recycling ratio (%)
395	139	35

Energy Consumption		
Utility Power (MWh)	Light oil (kℓ)	CO <sub>2</sub> eq. (t-CO <sub>2</sub> )
10,599	139	2,470



## FDK TATUNG (THAILAND) CO., LTD.(FTT) <Thailand>

Established in	July 1991
Address	700/49 M.1 Amatanakorn Industrial Estate Bangna-Trad Rd., Km.57 TambolBan-Kao Amphur Phan Thong, Chonburi 20160, Thailand
Tel	+66-38-213-169
Business lines	Manufacturing and sales of ferrite cores

FTT produces and sells various ferrite core electronic parts made of particles as the main materials.

In order to make a growth, FTT believes it essential to obtain enhanced customer satisfaction by providing high quality products and services, and to realize environmental performances meeting the expectation of the society.

In this sense, FTT pursues customer satisfactions and ceaseless improvement of environmental performances in addition to prevention of environmental pollutions and compliance to various laws and regulations.

For obtaining highest customer satisfactions, FTT conducts questionnaire to its customers by sending a check list which is sent back to the company after filling them by customers.

In fiscal 2005, FTT aims at obtaining an integrated certification of quality and environmental manage-

ments, integrating its corporate management organization in the quality and environmental management system and enhance efficiency of the PDCA cycle (plan-do-check-action).

Main activities of FTT in fiscal 2004 included :

1. enhancement of wastes recycling ratio,
2. promotion of green purchasing,
3. environmental educations
4. continuous improvement of pollution preventive measures on the environment.

FTT is determined to continue its activities in order to protect the global environment.



Environment and safety education



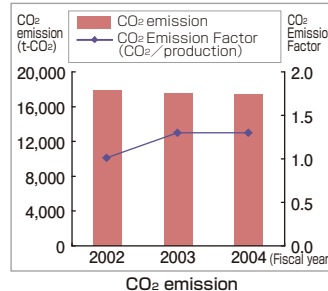
Planting in the plant premises



Kazuo Hasegawa, President

### Activity Data Fiscal 2004

Wastes			
Volume of wastes generated (t)	Volume of wastes recycled (t)	Recycling ratio (%)	
1,163	542	47	
Energy Consumption			
Utility Power (MWh)	LPG (ton)	Light oil (kℓ)	CO <sub>2</sub> eq. (t-CO <sub>2</sub> )
13,202	2,446	15	17,482



## Xiamen FDK Corporation <China>

Established in	March 1994
Address	No. 16, Malong Road, Huli District, Xiamen, Fujian, China
Tel	+86-592-603-0576
Business lines	Manufacturing and sales of switching power supplies, transformers, hybrid modules, stepper motors and VCOs

Being the first production site established by FDK in the mainland China, Xiamen FDK obtained the ISO14001 certification on January 5, 1999. Since then, with the environmental policy of "reducing environmental burdens and improve the environment continuously by observing laws and regulations and pursuing clean production," the company has been actively involved in energy saving, reduction of wastes, control of hazardous chemical substances, environmental education and social contributions.

1. Energy saving: The utility power consumed per unit of production in fiscal 2004 was decreased by approx. 21% over that in fiscal 2002.
2. Recycling of wastes: The volume of wastes recycled is growing year by year through the introduction of plastic cartons and palettes.
3. Lead-free: Starting from the experiment phase in fiscal 2002, the company has achieved the lead-free ratio of 83% in fiscal 2004.
4. Environmental education: Various educations and trainings are implemented in the company based on its annual environmental education plan. In addition to classroom style educations, a company environmental circular is regularly issued, and in April, annual "environmental activity reinforcement month," an environmental promotion event is held every year.

5. Social contributions: Volunteers from the company take part in environmental cleaning campaigns more than once a year to collect garbage at beaches and parks, and plant trees.

6. Recognition system: Since fiscal 2001, the company has been recognized as a "Company of Beautiful Garden," by the city of Xiamen every year. In fiscal 2003, the company was recognized as the environmentally advanced company by the environmental protection bureau of the city. Followed to this is the recognition of "the advanced company of saving and total recycling of resources in Xiamen" by the Government of Xiamen City in April 2005. Xiamen FDK will continue environmental improvement activities based on its environmental policy.



The garden recognized as "Beautiful Garden" by the city of Xiamen



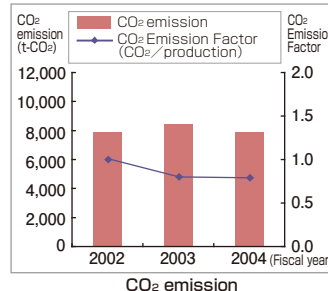
Volunteers of Xiamen FDK employees taking part in the community cleaning campaign



Tadao Ishida, President

### Activity Data Fiscal 2004

Wastes		
Volume of wastes generated (t)	Volume of wastes recycled (t)	Recycling ratio (%)
302	261	86
Energy Consumption		
Utility Power (MWh)	Light oil (kℓ)	CO <sub>2</sub> eq. (t-CO <sub>2</sub> )
8,436	8	7,913



## Shanghai FDK Corporation (China)

Established in August 1995  
 Address 499 Dong Qu Road, Songjiang Industrial Zone, Shanghai, China  
 Tel +86-21-5774-2028  
 Business lines Manufacturing and sales of hybrid modules and coil devices

Shanghai FDK Corporation manufactures electronic parts in Shanghai Songjiang Industrial Zone. Since its establishment in 1996, Shanghai FDK has been improving its working environment by planting more than 1,000 trees of various types and beautiful flowers to more than 30% of the total area of the company.

Shanghai FDK sets its management philosophy of "contributing to the society (Shanghai, China) through the development of the company" and action policy of "manufacturing under amicable coexistence with the nature."

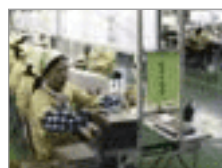
In order to raise awareness of its employees toward protection of the environment, the company has been enthusiastically involved in various activities including distribution of an environmental protection handbook to all employees and placing a board showing the company's environmental policy at each entrance to draw attention of employees. In 2000, the company installed a sewage treatment tank with advanced anti-pollution system, which was highly recognized by Songjiang Environmental Protection Bureau.

In order to comply with severe environmental

standards against electronic apparatus in the world, such as the EU Directive of RoHS, it is necessary to grasp which hazardous chemical substances are used in a product and to reduce them. Under the cooperation of FDK in Japan, the company investigated materials used in various products and switched products with hazardous chemical substances to those not containing them in a gradual manner. As a result, Shanghai FDK has become a cadmium-free company. The next step is to eliminate using lead. All the employees in Shanghai FDK will thrive themselves in contributing to the protection of the global environment by promoting persistent control on hazardous chemical substances and strengthening compliance with relevant laws and regulations.



Planting in the factory premises



Lead-free coil device production line

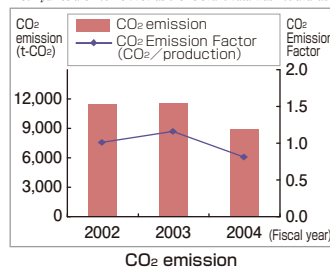


Isamu Sasaki, President

### Activity Data Fiscal 2004

Wastes		
Volume of wastes generated (t)	Volume of wastes recycled (t)	Recycling ratio (%)
212	※	※
Energy Consumption		
Utility Power (MWh)	Natural Gas (Kmf)	CO <sub>2</sub> eq. (t-CO <sub>2</sub> )
8,936	91	8,895

※Recycling of resources outsourced to resource recycling companies are not included as the relevant data was not available.



## Suzhou FDK Co., Ltd. (China)

Established in June 2001  
 Address 43 Building Fengqiao Industrial Park 158-88 Huashan Road, Suzhou New District Jiangsu, China  
 Tel +86-512-66619392  
 Business lines Manufacturing and sales of hybrid modules

After a continued efforts of environmental management activities based on ISO14001 since April 2004, Suzhou FDK successfully obtained the certification on December 31, 2004. Even before April 2004, the company was involved in environmental protection activities. After obtaining the international environmental standard of ISO14001 certification, the internal environmental management system is now firmly established as a well-organized way.

After the introduction of EMS, the company has enthusiastically committed itself to various environmental management activities such as effect assessment of environmental, examination of environmental laws and regulations, and setting voluntary limits. More precisely, the activities include the following items.

1. Raising awareness of all employees to the environment
2. Control and reduction of wastes
3. Improved control over hazardous items
4. Reduction of using hazardous chemical substances

5. Reduction of using water, electric power and paper
  6. Reduction of noises emitted from the factory
  7. Improved control over the safety and fire prevention
- Due to the increased production volume, the energy consumption tends to increase. Thus, a reduction target (electricity consumption per unit of production) is set for using electricity.

As a course of raising awareness of all employees to the environment, some reference documents are prepared and displayed to educate them the importance of water, scarcity of water resources and how to save using water. Due to such educations, all the targets for fiscal 2004 were successfully achieved.



Education for environmental preservation



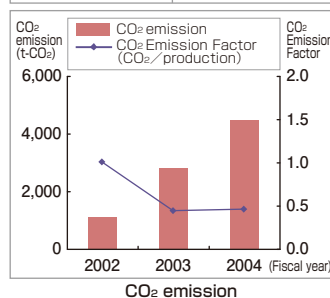
A display of reference materials on water saving



Sumio Watanabe, President

### Activity Data Fiscal 2004

Wastes		
Volume of wastes generated (t)	Volume of wastes recycled (t)	Recycling ratio (%)
154	71	46
Energy Consumption		
Utility Power (MWh)	CO <sub>2</sub> eq. (t-CO <sub>2</sub> )	
4,780	4,484	



## FDK (Thailand) Co., Ltd. <Thailand>

Established in	December 2001
Address	60/118 Navanakorn Industrial Estate Zone 3 Moo 19, Phaholyothin Road, Tambon Klongrung, Amphur Klongluang, Pathumthani 12120, Thailand
Tel	+66-2529-4930
Business lines	Manufacturing and sales of stepper motors

Established in December 2001 at Navanakorn Industrial Estate Zone in Pathumthani Prefecture, the Kingdom of Thailand, FDK (Thailand) Co., Ltd. manufactures and sells stepper motors for office automation equipment and automobiles. When including the operation period of the former Fujitsu (Thailand), the company has been in operation in Thailand for 15 years.

The environmental policy of the FDK Thailand is described as follows.

1. Comply with relevant environmental legislation and regulation including with other requirements to which we subscribes.
2. Continually improve environmental performance and prevent any pollution caused by our activity, product and service including reduce impacts on the environment as; water, land and atmosphere with waste management activity.
3. Utilize of natural resources to the most benefit and promote energy saving activity.
4. Enhance environmental preservative awareness to our employees.

FDK Thailand obtained ISO14001 certification in June 2003 and is involved in improving the environment of the Kingdom of Thailand. More precisely, the activities include ① reduction

of using utility power, ② reduction of wastes (separation and collection of wastes and legal disposal of them) and promotion of recycled use of them, ③ green purchasing and using green products, ④ appropriate treatment of effluents, and ⑤ environmental investigation to our suppliers. For ① and ②, the company implements timely measures by reporting the condition of activities at the in-house sub-committees and examines the corrective measures for the issues of concerns. Environmental education to the employees is held as necessary in the company. All employees are required to carry a pocket size environmental policy card distributed to them.

FDK Thailand will continue integrating the efforts of all the employees to continuously improve the environmental situation and pursue coexistence with the environment to make a leap forward to a growth.



EMS education scene



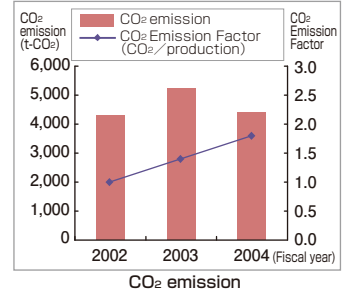
Heat insulation of ceiling



Yasunobu Nakagiri, President

### Activity Data Fiscal 2004

Wastes		
Volume of wastes generated (t)	Volume of wastes recycled (t)	Recycling ratio (%)
382	352	92
Energy Consumption		
Utility Power (MWh)	LPG (ton)	CO <sub>2</sub> eq. (t-CO <sub>2</sub> )
4,399	9	4,414



## FDK Overseas Production Site Topics

### Fuchi Electronics Co., Ltd.

Fuchi Electronics Co., Ltd. was recognized of its Green Partner Activities and achievements in reducing and controlling hazardous chemical substances and was awarded "the Sustainable Enterprise Award of Taiwan Sustainable Development Award" from the Executive Yuan. This was covered by the "Economic Daily News," "Safety, Health and Environment Today," etc.



At the award ceremony

### Xiamen FDK Corporation

Xiamen FDK Corporation was recognized as an advanced company of resource saving and recycled use in fiscal 2004 from the Xiamen City Government. Its efforts in energy saving, recycling and reuse of wastes as resources, introduction of a large-sized and eco-friendly generator and informative webpage are highly evaluated.



The plaque awarded



Large-sized and eco-friendly generator