

The “Kyocera Global Environmental Contribution Award” was established in FY1997 for encouraging environmental protection activities.
The contribution award is to commend the activities having made a great contribution to the global environment with original and epoch-making ideas during our environmental protection promotion activities every year.

7th: FY2004 Results

Grand Award

“Development of environment-preserving products” category
Development of P48 WLL base station

Base station of wireless local loop system (WLL) was developed for wireless connection from base station to subscribers’ homes in accordance with increasing of fixed phone in overseas countries. 202 units of base stations were installed in Thailand this time.

Effects

1. Protection of forest by reduction of telegraph poles
2. Protection of resources such as copper because cables are not required



WLL system base station

Grand Award

“Chemical Substance Reduction” category
Total elimination of hydrochloric acid through process improvement

Hydrochloric acid treatment and its washing had been conducted in the solar power element production process, but the treatment was eliminated as a result of the process improvement.

Effects

1. No use of hydrochloric acid in process
2. No use of water after stopping hydrochloric acid treatment washing process
3. No waste water, waste liquid produced by hydrochloric acid treatment



Solar energy division manager receiving the trophy

Excellence Award

“Energy Saving” category
Fuel saving by shortening firing time of gas furnace.

Heat condition of gas furnace firing alumina raw material was revised. It took 10 days for one cycle - preheating, binder removing, temperature increasing, keeping and decreasing, but it could be shortened by 2 days.

Effects

1. LPG usage reduction: 470,000 kg/year
2. CO₂ emission reduction: 1,419 tons/year

Excellence Award

“Energy Saving” Category
Electricity reduction by improving magnetic coil and lagging of magnetic furnace

Electric energy consumption could be reduced by changing the magnetic coil shape and increasing the number of coil turns of magnetic furnace.

Effects

1. Electric energy consumption saving: 2.09 million kW-h/year
2. Economic benefits: Approx. 18 million yen/year

Past Grand Prizes

1st: FY1998

“Development of environment-preserving products” category

Amorphous silicon drum and ECOSYS printer FS-1700 using the drum

Waste reduction and electricity saving were achieved by adopting highly durable amorphous silicon drum



Amorphous silicon drum



ECOSYS printer FS-1700

3rd : FY2000

“Development of environment-preserving products” category

600dpi LED array

Harmful chemical substances were drastically reduced through change of board material used in the products.



600dpi LED array

4th: FY2001

“Development of environment-preserving products” category

G3 base station

It was achieved to save resources with compact and lightweight design of products, and energy by reducing power consumption.



G3 base station