

Meeting Our CSR Commitments

SPECIAL FEATURE

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Towards Achieving the OKI Group Environmental Vision 2020

We in the OKI Group established the “Environmental Vision 2020” (see page 20 for details) in 2012 as one of our midterm goals for reducing the load on the environment in four different fields. Here, we would like to introduce specific initiatives we have taken with products in two fields: “Realization of a low-carbon society” and “Prevention of pollution”.

Realization of Low-Carbon Societies through Products

The 21st Conference of the Parties (COP21) to the United Nations Framework Convention on Climate Change was held on December, 2015, and the countermeasures against global warming have increased the significance. We at the OKI are striving hard to reduce the environmental load in our main products: printers and automated teller machines (ATMs).

Our Approach to Printers and Multifunction Printers

Up to now, we have developed our OKI printers and multifunction printers to meet demand in all regions based on world-class product quality. However, under such circumstances, the number of new components needed increased, and development time, cost and environmental load all became issues. So, at that point, we pushed ahead with efforts to communalize platforms on both the hardware and firmware sides, in areas such as LSI, power supply, control substrates and mechanical sections, in order to simultaneously develop multiple product types. By doing that, development time was reduced dramatically while control load also was reduced because less materials and maintenance materials were needed. As this saves energy and resources in each step of product lifecycle – in other words, design, production and maintenance – reductions in the environmental load are achieved.

Both the A4 monochrome LED printers in the B400/500 series and the A4 monochrome LED multifunction printers in the MB400/500 series launched in January 2015 are products that share this communalized platform strategy. By revising mainstay components like the LSI and power supply, we managed to cut the power consumption for deep sleep mode to less than one third of the conventional consumption. This breakthrough conforms to two international environment standards: the “International ENERGY STAR Program” and the “Blue Angel Mark”.



A4 monochrome LED printer “B432dnw”



International ENERGY STAR Program
This is an international energy saving system for office equipment. The top 25% of products with excellent energy saving features are approved in this program.



Blue Angel Mark
This label was introduced by the German Federal Environmental Agency in 1978 and it has been leading the way as an eco label ever since.

Our Approach to Reducing CO2 in ATMs

Being used more and more in both financial institutions and convenience stores, ATMs catch the eye of the public for their convenience and low energy consumption. As part of this, when we at OKI launched the ATM “CP21Z” in November 2014, we newly introduced an “energy-saving mode”, which turns off the power of peripheral units when the CP21Z has not been used for a fixed time. The power consumed while the ATM is in this standby mode is 60% less than our conventional product in that class. Moreover, to reduce the number of vehicle call outs of security guards attending to ATMs in convenience stores, we have introduced larger banknote cassette trays, which contribute to indirectly reducing CO2.



ATM “CP21Z”

Prevention of Pollution through Products

Ever stricter regulations are being imposed on chemical substances in countries around the world, with strict controls placed on all materials for both the product and its packaging. In order to properly meet these regulations, OKI Data, which operates in many overseas areas, steadfastly implements advanced levels of chemical controls as well as using in-house-developed software COINServ-COSMOS-R/R (hereon referred to as COSMOS-R/R) to meet strict environmental standards, such as Europe’s RoHS Directive and REACH Regulation.

Controlling chemicals in products requires processes such as component inspections, aggregating/evaluating and reporting. These processes are fraught with issues at every turn. In the inspection process, an enormous number of components have to be tracked and treated in various formats during inspection. With the aggregating/evaluating process, calculations have to be made for the content by percentage of chemicals and judgments made to determine whether or not a material contains a substance forbidden by the RoHS Directive and other such directives. And, with the reporting process, there are various formats that have to be implemented in accordance with varying rules applied by customers. Also, the demand for an IT system response is increasing.

Therefore, the user-friendly COSMOS-R/R is a business tool that enables us to cope with work issues and the frequent revisions to directives and regulations in way that lets us keep evolving.

From here on too, we in the OKI Group will endeavor to fulfill our “Environmental Vision 2020” by committing ourselves to activities and expansion that will reduce the environmental load in our products and business activities.