

Environmental Solution Activities

FDK Group companies deploy businesses specializing in environmental measures in response to heightened awareness for environmental issues and solution needs associated with them.

Business Activities at FUJIDENKA RESEARCH AND ANALYSIS CENTER CO., LTD.

As symbolized by the G8 Hokkaido Toyako Summit, there has been heightened awareness about global issues such as measures against global warming, regulations for the registration (REACH) and use of hazardous substances (RoHS/ELV), prohibitions against PCBs in organic solvent, the use of asbestos, and, etc., and measures to counter soil contamination.

Since its establishment in 1976, FUJIDENKA RESEARCH AND ANALYSIS CENTER CO., LTD. has been supporting corporate and regional environmental conservation activities based on our environmental survey and analysis technology. We serve our customers with the latest environmental and Green IT technology including facilities, information and networks.

Hazardous Substance Surveys and Reliability Testing Pertaining to Green Procurement

The EU's RoHS Directive and REACH are the examples of global trend for stronger chemical regulations. Because of this trend it has become common practice for manufacturers to forego the use of hazardous chemicals in their production processes. We support corporate efforts to engage in product development and production that contributes to the reduction of their environmental burdens through the survey of hazardous chemical substances pertaining to green procurement. Because green procurement is directly connected to our customers' product development and production, we make it our mission to always provide prompt and accurate analysis.

In conjunction with the recent enactment of volatile organic compound emissions regulations we now actively support VOC measurement and analysis with a full lineup of measurement equipment to assist our customers in their product development activities.

Developing products using eco-friendly components can result in unexpected problems or the recurrence of problems previously solved. Our comprehensive services include responding to customer requests to quickly determine possible degradation in the bonding strength of lead-free solder using fault analysis tools such as a thermal shock tester and an electron microscope and surface rapping machine.



ICP Analytic Equipment



Thermal Shock Tester



Phase-Contrast Microscope for the Measurement of Asbestos



X-Ray Diffractometer

Comprehensive Survey and Measures for Soil and Underground Water Contamination

Since the enactment of the law concerning soil contamination measures in February 2003, a voluntary soil and underground water contamination survey upon sale of real estate has become common practice along with the surveys required by laws and regulations. Also, the mandatory incorporation of debts from soil contamination measures into business accounting has increased the social need for our services.

To meet customer needs, we offer a full range of services, from materials research to on-site survey and purification measures, that we have nurtured through our long years of experience.

Phase 1

Materials Research

Phase 2

Detailed On-Site Survey

Phase 3

Purification Measures

Analysis of Asbestos Concentration

Asbestos regulations were tightened on September 1, 2006 to increase the limit concentrations from 1% to 0.1%. The number of controlled substances increased from three to six on February 6, 2008 as well. We are fortifying our analytic capability to meet customer needs for faster and higher-precision analysis.

Business Activities

Environmental measurement and analysis/environmental assessment (analysis of air, water, noise, vibration, odor, soil, etc., and measurement of elements in the work environment)
Survey and measures for soil and underground water contamination
Analytic survey for the support of green procurement
Materials analysis, reliability testing, measurement equipment calibration
Measurement of sick house substances, measurement of VOC emissions
Installation and management of environmental facilities

FUJIDENKA RESEARCH AND ANALYSIS CENTER CO., LTD.

Established on January 24, 1976
Capital 70 million yen (wholly owned by FDK CORPORATION)
Number of employees 45
President & CEO Takeo Maeda
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Business Activities at FDK ECOTEC CO., LTD.

FDK ECOTEC CO., LTD. conducts recycling of information equipment including used PCs as a Chubu Area Recycling Center for Fujitsu Recycling System (FRS). We aim to support the establishment of a sustainable society by recycling recovered resources. We were one of the first companies to acquire ISO 14001 certification, international environmental certification for our industry in FY2002, and achieved zero waste emission in the handling of OA equipment in FY2003.

Expansion of Our Customer Service and the Promotion of Recycling

In addition to increasing the number of items handled, such as fluorescent tubes and Styrofoam, we have been expanding the area of recovery and the transportation of those items. We aim at the effective utilization of resources by disassembling and separating recovered equipment for the purpose of reuse or recycling.

Our Characteristics

- Handling recycling through both FRS and FDK ECOTEC.
- Comprehensive handling from recovery/transportation to processing
- Recycling electronic equipment including information equipment
- Specialized in on-site disassembly and the removal of over-sized equipment
- Appropriate handling of hazardous substances contained inside electronic equipment

Example of Recycling



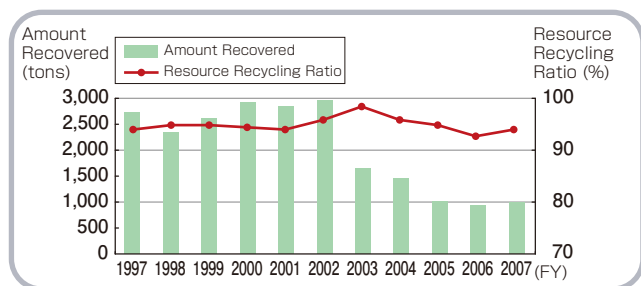
Disassembled and Separated ICs



Recycling (Precious Metals, etc.)

Amount of Recovery and Resource Recycling Ratio

We recovered 964.5 tons of material in FY2007 and achieved a recycling ratio of 93.3%.



Items Handled

- PCs and peripherals
- Word processors, fax machines, copying machines
- Communication equipment
- Bank ATMs
- Telephones, cellular phones, telephone switchboards and POS terminals
- Magnetic tapes, cassette tapes, floppy disks, confidential documents and etc.
- Office desks and racks (excluding wooden items)

Security Measures

In addition to performing various security measures according to Fujitsu Recycling Center processing standards, we are now working on establishing a system of traceability to allow tracing from the initial to final processing.

● Preventing customer information security leaks

We follow our personal information protection policy to destroy or erase data in storage media.

● Security measures at our facilities

Our measures include the installation of surveillance cameras and controlled access to locked areas.

● Implementation of traceability

We have introduced the Fujitsu Integrated Recycling Information Management System to perform waste management on-line, and began the testing phase in FY2007 for the implementation of thorough traceability and security.



Integrated Recycling Information Management System

Construction of Our Web Site

We established a web site in August 2007 to introduce our business activities pertaining to the realization of a sustainable society and to answer various inquiries.



Our Home Page

URL : <http://www.fdk-ecotech.com/index.html>

FDK ECOTEC CO., LTD.

Established on March 10, 1997
 Capital 30 million yen (wholly owned by FDK CORPORATION)
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