

Address	Rue Saint-Exupéry 35150 JANZE France		
Lot area	11329m <sup>2</sup>	Total floor area	3665m <sup>2</sup>
Establishment day	1985/1	Employees	69persons
ISO14001 certification date	2005/6	ISO14001 renewed	2010/9
Major Products	CAR RECEIVER - MULTIMEDIA		
Environmental Information disclosure	0items	visitors on factory tour	0persons
		collaboration with municipality	0items
Contact	QA	TEL:	33(0)299473232



**Message from Compliance Administrator**

The environment is a major challenge in the 21st century!  
Our customers are convinced of this issue and ask the manufacturers to be exemplary and leader in this field.  
Kenwood Electronics Bretagne exists since 1985. We work over the years in order to decrease our environmental impacts :

- 1) Obviously the reduction in energy consumption. The improvement actions include the lowest using of the electric air conditioning (hot / cold) and of the lighting, the control of the energy consumption during the manufacturing process.  
Since 2004, electricity consumption was reduced about 30%.
- 2) With the depletion of natural resources, recycling of waste is a major objective.  
We have improved since 2004, our recycling rate was increased of 38%.
- 3) We produce a "green" product respecting the "Green procurement" and the EC environmental directives (RoHS, WEEE, REACH ,...).

The economic crisis requires us to find innovative solutions.  
Here is a concrete example. We sell some of our packaging wastes (carton boxes, plastic bag, hold foam protection ...) to neighbouring companies. They reuse for their needs directly as new packing f  
The redemption price is higher than the conventional recycling cost (paper factory, energy incineratic

In Kenwood Electronics Bretagne, product Quality (ISO9001), Safety and Security at Workplace (ILO-OSH2001), and Environment (ISO14001) are managed in an integrated single management sy called QSE.  
Integrated management reduces the structural cost and improves the system efficiency.



**Mr Guy MICHEL**  
Compliance Administrators

**Main activities in FY2008**

Target	Result
Target : To reduce 3 % the amount of the energy (KWH) used per product	KEB have saved -28% of energy amount. Result was especially good because KEB produced SKD products since 2008 and reduced the using of SMT machines.
Target : Reduce volume of no recycling waste per product(*) more than 15 %	KEB have reached the target and have recycled 53% of waste.
Target : To reduce 3 % office paper use (number of sheets per person)	KEB have a new business as Authorized Service Center (ASC) for all KENWOOD products in France. Paper qt'y had increased because ASC issued a lot of paper invoices to their customers.

**Products of Environmentally-conscious information**



Multimedia 1DIN  
RoHS  
"Green product"



Multimedia 2DIN  
RoHS  
"Green product"



Car receiver USB  
RoHS  
"Green product"

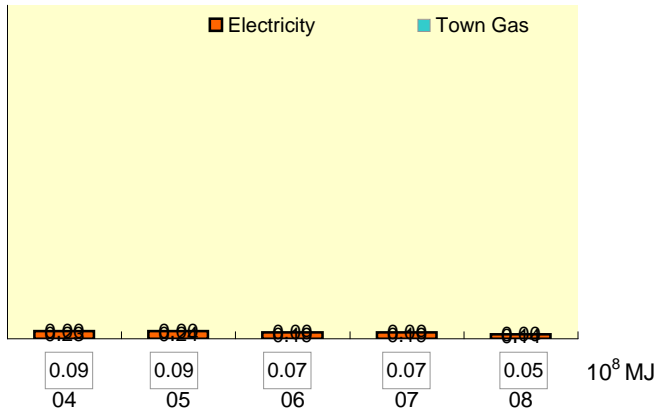


Car receiver AUX  
RoHS  
"Green product"

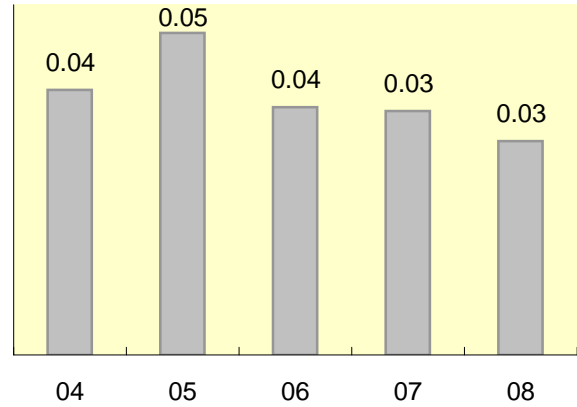
**Environmental performance data**

Year displayed in graph ex) 2008: April 1, 2007 - March 31,2008

**Energy** (crude oil Equivalent) Unit: 1000kl



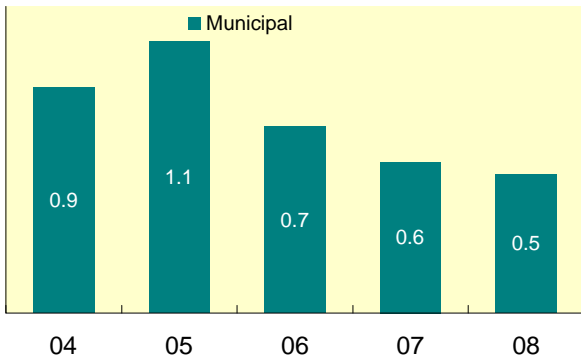
**CO2 Emission** Unit: 1000t-CO2



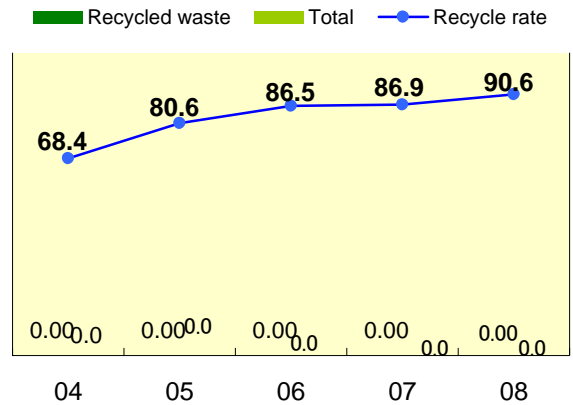
Calculation standards

Electricity CO2 Emission coefficient = 0,045kg/kwh (2004) 0,052kg/kwh (2005) 0,044kg/kwh (2006) 0,047kg/kwh (2007) 0,047kg/kwh (2008)

**Water** Unit: 1000m<sup>3</sup>

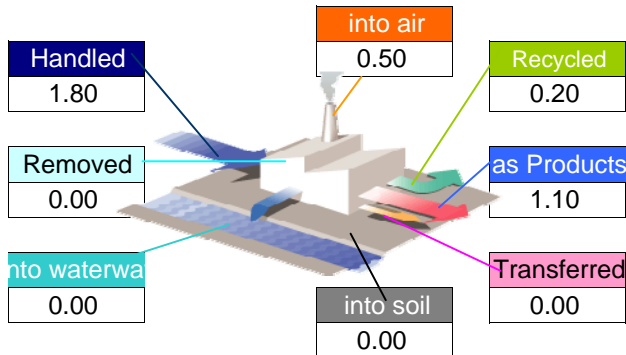


**Waste** Unit: 1000t, %

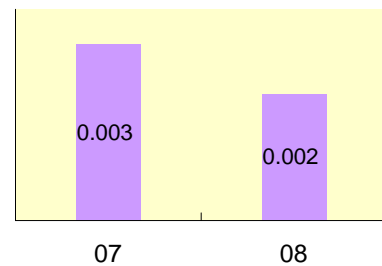


**Chemical substances**

Material balance of controlled substances FY2008



Key target reduction substances



About the above data

**Compliance FY2008**

**<Air pollutant measurement results>**

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
SOx	Nm <sup>3</sup> /h	N/A			0.00		
		N/A			0.00		
		N/A			0.00		
NOx	ppm	N/A			0.00		
		N/A			0.00		
		N/A			0.00		
Particulate	g/Nm <sup>3</sup>	N/A			0.00		
		N/A			0.00		
		N/A			0.00		

**<Water pollutant measurement results>**

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
COD	mg/l	N/A			0.00		
		N/A			0.00		
		N/A			0.00		
BOD	mg/l	N/A			0.00		
		N/A			0.00		
		N/A			0.00		
Nitrogen	mg/l	N/A			0.00		
		N/A			0.00		
Phosphorus	mg/l	N/A			0.00		
		N/A			0.00		

**<Noise and vibration>**

	Unit	Measurement Area	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
Noise	dB	DT Outside area	70.00		65.00	71.40	Each 3 years
		NT Outside area	65.00		60.00	63.50	Each 3 years
Vibration	dB	DT N/A			N/A		
		NT N/A			N/A		

\*Legal limit: The strictest value out of those specified by laws, ordinances or agreements.

\*N/A(not applicable):The meaning when the facility is exempted from the regulation.

**About excess of legal limit value**

N/A
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**Improvement of direction by government, or point outs by neighbor**

Occurrence situation	Countermeasure
N/A	

## Environmental Policy

Kenwood Electronics Bretagne S.A.

**81th Environmental policy****KENWOOD**  
Listen to the Future

Kenwood Electronics Bretagne S.A environmental policy is defined in order that may work based on an ISO14001 environmental management.

**Active conduct of business is as follow :** Product and Sale to JVC Kenwood group and to their customers multimedia equipments (home audio, car audio, telecommunication and video)

**Additional active conduct :**

To repair multimedia equipments (home, car audio, visual and navigation) under warranty for JVC KENWOOD group Affiliated Corporations.

1. While the influence which it has on environment in active conduct of business, the product, and services are fully recognized and a continuous improvement is aimed in order to **preserve earth environment**, and to tackle **environmental-pollution prevention**.
2. The **regulation system** relevant to environment is observed.
3. Moreover, an independence **standard** is defined and managed in the possible range technically and economically at present time.
4. The environmental purpose and targets are defined. The environmental management system is continuously improving in order to achieve the goals in the following purposes :
  - 4.1) **Green product promotion**  
Energy saving, saving resources, etc. manufacturing green product which consider environment
    - Curtailment of toxic substances,
    - promotion of **lead free solder**,
    - promotion of **green procurement**
  - 4.2) **Environmental-preservation promotion activities.**  
Aiming at prevention of **global warming and zero emissions** by the following :
    - Curtailment of **energy**,
    - Curtailment of waste and improvement in the rate of **recycling**.
    - Curtailment of the amount of **office paper used**.
5. The personnel is informed of this policy by **internal communication**. The education plan is adapted to this environmental object achievement.
6. KEB participates to the **industrial area refurbishing plan** (included environmental matters) organized by local authorities.

**The purpose and targets**

The environmental promotion committee decides the purposes and the targets to be reached as follow :

**Green product promotion activities**

To offer a product which considers environment (lead free correspondence) without hazardous substances.

**Environmental - Preservation Promotion activities****1) Promotion of energy-saving activities**

**Purpose:** To reduce **3 % the amount of the energy (KWH)** used per product(\*) by fiscal year 82 (2010) from fiscal year 79 (2007).

**Target 81:** To contain the amount of the energy used to **0% per product (\*)** in KWH by fiscal year 81 (2009) compare to fiscal year 80 (2008).

**2) Improvement in the rate of trite industrial waste recycling**

**Purpose:** To reach **99% of recycling waste** for fiscal year 82 (2010).

**Target 81:** To reach **95% of recycling waste** for fiscal year 81 (2009).

(\*):Product : Sub-assembly for Kenwood (Yax + Xxx) or PCB for other customers

**3) Curtailment of office paper use**

**Purpose:** To reduce **3 % office paper use (number of sheets per person)** by fiscal year 82 (2010) from fiscal year 79 (2007).

**Target 81:** To reduce **12% office paper use (number of sheets per person)** by fiscal year 81 (2009) from fiscal year 80 (2008).

May 12<sup>th</sup>, 2009

Issued by  
**Thierry LEBLANC**  
Plant Manager

Approved by  
**Yasunori KURIMOTO**  
CEO & General Manager

**Aiming to reduction of environmental impact**



**Recycling waste:**

Hold foam protections are packing features of SKD PCB delivered by Asia factory to KEB. KEB send to AFCOs some hold foam protections together with final goods pallets. AFCOs reuse these protections for final goods packing for delivery to dealers. This way of environmental recycling is very convenient and cost free



**Saving heating/cold energy:**

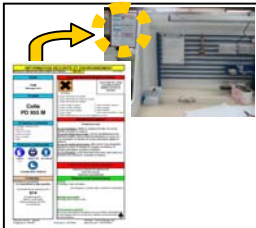
KEB adapt anytime its layout to the production activity. In 2009, KEB is moving all FA lines from a low efficient insulated building to a good one in order to save energy for heating and cooling.

**Environmental Communication**



**Acting Locally : School students education**

Some visits have been organized to promote to local schools the industrial activities and good practices (Quality, Safety and security at work place and Environmental saving)



**Chemical Substance Management At workstation**

The worker is informed at workstation about chemical substance description, safety risk, environmental risk, preservation action, emergency procedure and contact.

**Emergency preparedness and response**



**Specialist Education**

Specialized education is given to employees who work in fields which can adversely affect the environment if they do not have adequate knowledge and ability. Logos skills are listed on badges people.

**Case of a training**

X-ray control et measurement, Electrical equipments control and maintenance, Emergency procedure management, Fire fighting, Pollution control and fighting.