

Address	Rue Saint-Exupéry 35150 JANZE France		
Lot area	11329m ²	Total floor area	3665m ²
Establishment day	1985/1	Employees	66persons
ISO14001certification 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	Environmental Sustainability Office		TEL: 045-450-2512



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 50%.
- 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 ,...).

We have to find innovative solutions.
Here is a concrete example. We receive packaging PE waste from our supplier (10 tons per year - 360M3). We can't recycle PE waste. We work with our supplier and designer to replace PE by corrugated material. Corrugated material can be easily recycled compared to PE.



Mr Guy MICHEL
Compliance Administrators

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

Main activities in FY2010

Target	Result
Target : To reduce 3 % the amount of the energy (KWH) used per product	KEB have reduced 1% of energy amount. Result was improved but target not reached.
Target : Reach 98% for recycling waste (Ton)	KEB reached 95% of waste.
Target : To reduce 1 % office paper use (number of sheets per person)	KEB reduce using 6% of office paper.

Products of Environmentally-conscious information



Multimedia 1DIN
RoHS
"Green product"



Multimedia 2DIN
RoHS
"Green product"



Car receiver USB
RoHS
"Green product"



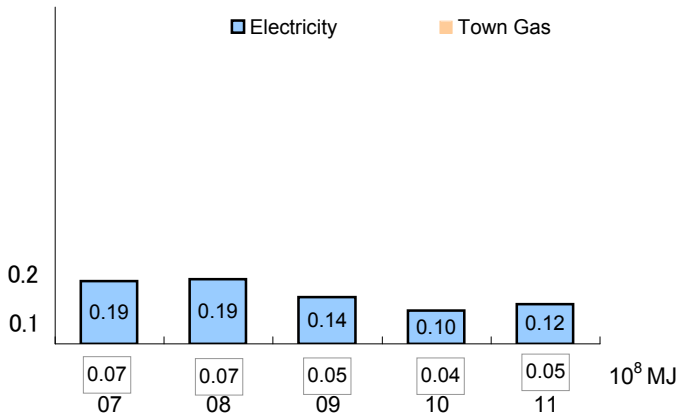
Car receiver AUX
RoHS
"Green product"



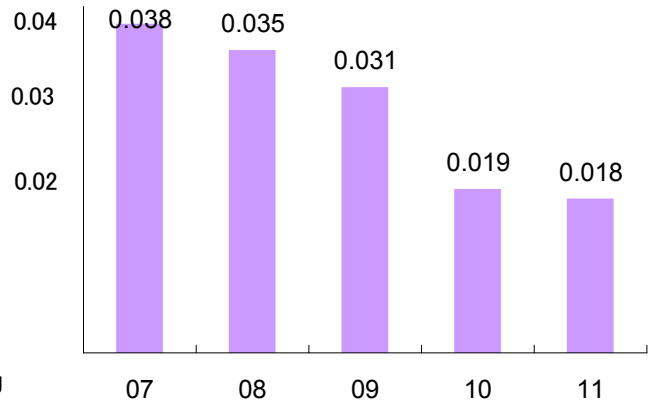
Car receiver Bluetooth
RoHS
"Green product"

Environmental performance data Year displayed in graph ex) 2010: April 1, 2010 - March 31,2011

Energy (crude oil Equivalent) Unit: 1000kl



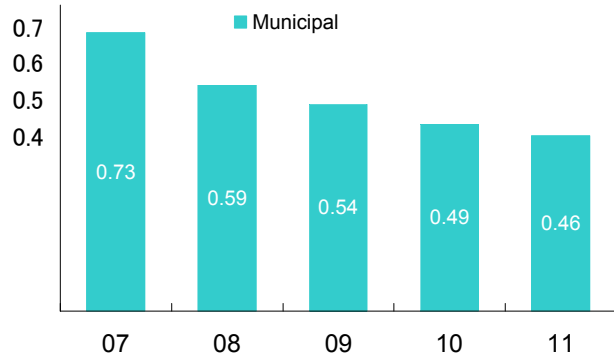
CO2 Emission Unit: 1000t-CO2



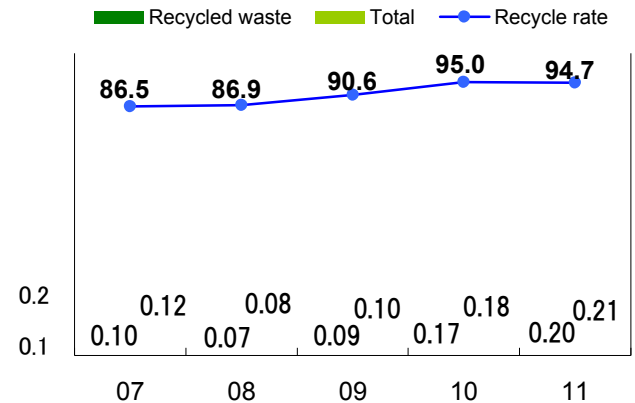
Calculation standards

Electricity CO2 Emission coefficient = 0,052kg/kwh (2005) 0,044kg/kwh (2006) 0,047kg/kwh (2007) 0,047kg/kwh (2008) 0,047kg/kwh (2009) 0,040kg/kwh (2010)

Water Unit: 1000m³

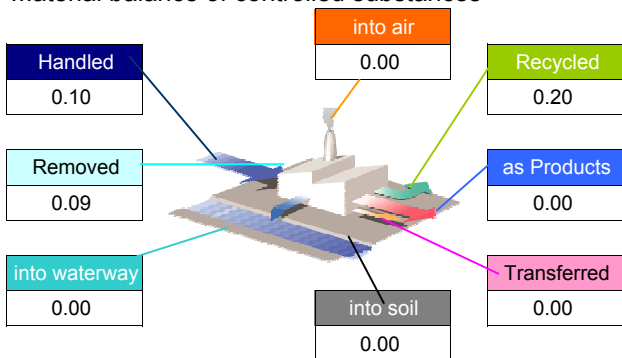


Waste Unit: 1000t, %

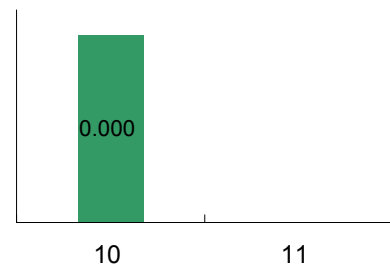


Chemical substances

Material balance of controlled substances FY2010



Key target reduction substances



About the above data

Compliance FY2010

<Air pollutant measurement results>

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
SOx	Nm ³ /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 ³	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

Improvement of direction by government, or point outs by neighbor

Occurrence situation	Countermeasure
N/A	

Environmental Policy

Kenwood Electronics Bretagne S.A.

2011/12 Environmental policy



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)
 To repair multimedia equipments (home, car audio, visual and navigation) under warranty for 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.
 Curtailment of the consumption of water.
5. The personnel are 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 KENWOOD product which considers environment without hazardous substances.

Purpose: Goods for EU must be conform to the RoHS directive and Reach directive.

Environmental - Preservation Promotion activities

1) Promotion of energy-saving activities

Purpose: To reduce of 5 % the amount of the energy (KWH used per product(*)) by fiscal year ending march 2013 (FYE 3/13) in comparison to FYE 3/10.

Target FYE 3/12: To reduce the amount of the energy used : -3 % per product (*) in KWH in FYE 3/12 in comparison to FYE 3/11.

2) Improvement of the recycling waste rate

Purpose: Reach 99% of recycling waste by fiscal year ending March 2013 (FYE 3/13)

Target FYE 3/12: Reach 98% of recycling waste in FYE 3/12 in comparison to FYE 3/11.

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

3) Reduce paper using

Purpose: To reduce of 3 % the office paper use (number of sheets per person) by fiscal year ending March 2013 (FYE 3/13) in comparison to FYE 3/10.

Target FYE 3/12: To reduce of 1% the paper use (number of sheets per person) in FYE 3/12 in comparison to FYE 3/11.

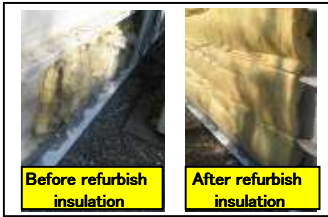
May 27th, 2011.

Issued by
Thierry LEBLANC
 Plant Manager

Approved by
Yasunori KURIMOTO
 CEO & General Manager

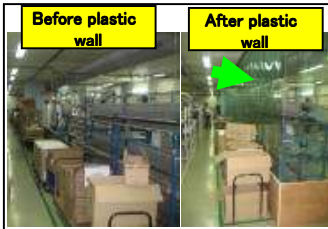
Kenwood Electronics Bretagne S.A.

Aiming to reduction of environmental impact



Saving heating/cold energy:

KEB did refurbish external insulation of factory's wall in order to save energy.



Saving heating/cold energy:

KEB closed between FA lines and SMT line by a transparent plastic wall. Target is to monitor efficiently temperatures between the both areas.



Recycling waste:

KEB sales some plastics bags waste to his neighbor company. Waste transport is few and neighbor company re-uses plastic bag to pack their products.

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)



Specialist Communication and 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.

Emergency preparedness and response



Fire fighting

Each year, some workers do a Fire fighting training and learn how to use extinguisher.

Case of a training

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