

Address	No. 8, Jalan Padu, Kawasan Perindustrian Tampoi, 80350 Johor Bahru, Johor.		
Lot area	22836m <sup>2</sup>	Total floor area	34560m <sup>2</sup>
Establishment day	1990/11	Employees	1326persons
ISO14001certification date	1999/2	ISO14001 renewed	2008/4
Major Products	Home and Car Audio		
Environmental CommunicationFY2008	Information disclosure		
visitors on factory tour	collaboration with municipality		
Contact	Human Resource & Administration Dept	TEL:	07-237-1261



**Message from Compliance Administrator**

KENWOOD ELECTRONICS TECHNOLOGIES MALAYSIA SDN. BHD, is located at the Malay Peninsula southernmost city JOHOR BAHRU which is surrounded by the beautiful nature. As a main factory of JKCE, produce approximately three (3) million sets car audio products and thirty (30) million sets of multimedia products yearly, export to all over the world. Currently, we united 1,300 employees in one to promote the concept of "Low-Cost High-Quality Product Making" and "Less Environmental Loads" in order to move forward with an aim to be a world "A" class factory. With growing worldwide awareness of environmental concerns, we believe that we could deliver the product that customer safe to use through our energy saving and recycle activity for protection of earth resources. And through our green procurement and production activities which compliance with the recent observance of legal regulations represented by RFACH



KETM Managing Director  
YASUSHI DAIROKU

**Main activities in FY2008**

Target	Result
1. To Reduce 5% of FY2008 Paper Usage (1,406,700 X 5% = 70,335 sheets)	1,346,400 Sheets (Reduce 60,300 sheets, 4.3%)
2. To Reduce 5% of FY2008 Electricity Usage (10,785,316 X 5% = 539,266 kwh)	10,161,066 kwh (Reduce 624,250 kwh, 5.8%)
3. To Reduce 5% of FY2008 Water Usage (74,639,000 X 5% = 3,731,950 m <sup>3</sup> )	69,176,000 m <sup>3</sup> (Reduce 5,463 m <sup>3</sup> , 7.3%)

**Products of Environmentally-conscious information**



2DIN Component



**CAR NAVIGATION**

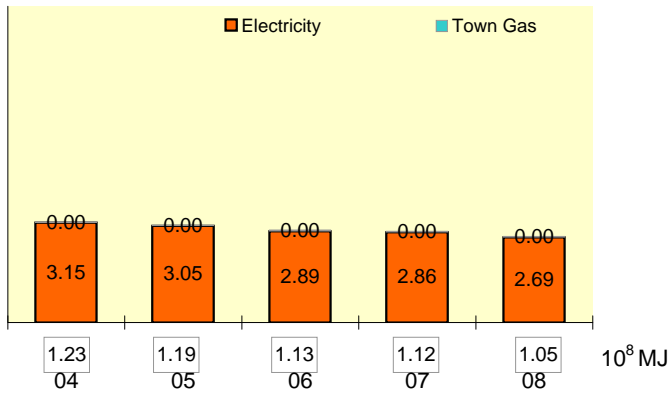
In term of weight reduction, this model has achieve 4.5% if compare with the previous model. As for CO<sub>2</sub> reduction, the total of 3 models, yearly about 59 tons in CO<sub>2</sub> conversion.

Product Information <http://www.kenwood.co.jp/products/>

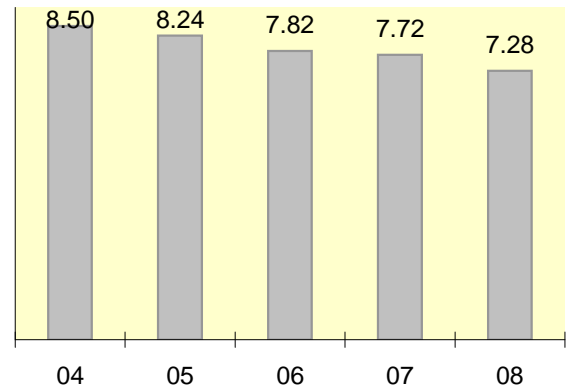
**Environmental performance data**

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

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



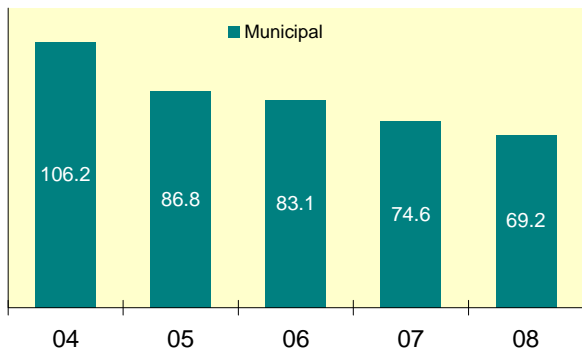
**CO2 Emission** Unit: 1000t-CO2



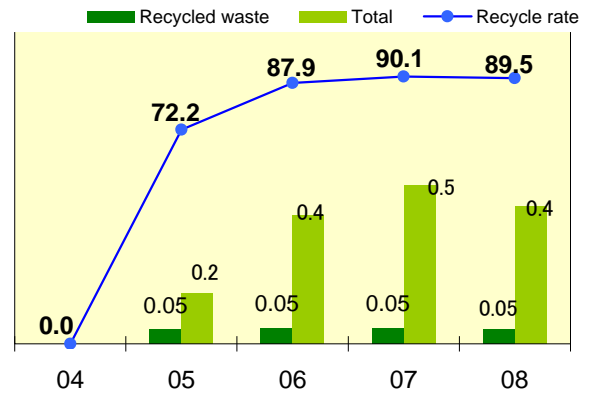
Calculation standards

Electricity CO2 Emission coefficient =0.709kg/kwh

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

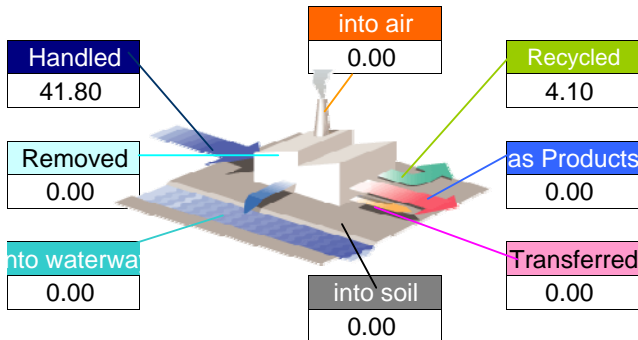


**Waste** Unit: 1000t, %

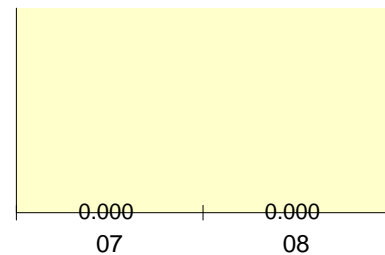


**Chemical substances**

Material balance of controlled substances FY2008



Key target reduction substances



About the above data

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**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	LEV	0.20		0.05	0.06	Every year
NOx	ppm	LEV	1063.00		ND	ND	Every year
Particulate	g/Nm <sup>3</sup>	Generators	0.40		0.00	0.01	3 years
		LEV	0.40		0.02	0.02	Every year

**<Water pollutant measurement results>**

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
COD	mg/l	Sewage Treatment Plant	100.00		71.50		Monthly
					0.00		
					0.00		
BOD	mg/l	Sewage Treatment Plant	50.00		21.33		Monthly
					0.00		
					0.00		
Nitrogen	mg/l				0.00		
					0.00		
Phosphorus	mg/l				0.00		
					0.00		

**<Noise and vibration>**

	Unit	Measurement Area	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
Noise	dB	DT Boundry	55.00	65.00	62.23		Every year
		NT Boundry	55.00	55.00	58.42		
Vibration	dB	DT N/A			0.00		
		NT N/A			0.00		

\*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**

Excess of legal limit value was due to disturbance from outside traffic flow, night time delivery and unrevised legal approval from government.

**Improvement of direction by government, or point outs by neighbor**

Occurrence situation	Countermeasure
There is no item to report	

## Environmental Policy



**KENWOOD**  
Listen to the Future

## ENVIRONMENTAL POLICY





KENWOOD recognizes the interaction between manufacturing and the environment, and is fully committed to protect the environment through continual improvement in its environmental management and strives towards developing environmental friendly practices.

In accordance with the policy; We are committed to :-

- Establish, implement and maintain an Environmental Management System.
- Comply with applicable legal and other requirements.
- Strive towards prevention of pollution.
- Encourage our suppliers and contractors to practice responsible environmental management.
- Make policy available to the public.

KENWOOD ELECTRONICS TECHNOLOGIES (M) SDN. BHD.  
8 Jln. Padu, Kawasan Perindustrian Tampoi,  
80350 Johor Bahru, Johor.  
Tel.: 07-2371261 Fax: 07-2371297

**Aiming to reduction of environmental impact**

Action Taken in FY2008	Date	Environmental Impact
1. New Cooling tower installation 	May'08	Water consumption become lesser and Efficiency up for electricity usage
2. Awareness sticker paste in Kenwood premises 	Jun'08	Build up employees' awareness
3. Energy saving idea competition (Kaizen Price)	Jul'08	Idea sharing and motivation.
4. New compressor installation	Aug'08	Long term saving in electricity consumption
5. Trial run for changing air con gas to hydrocarbon by install meter into selected unit to monitor the electricity usage 	Aug'08	Analyze the effectiveness on reducing electricity consumption and CO <sub>2</sub> reduction by using hydrocarbon gas.
6. Air Con temperature reset from 16°C to 20°C	Sep'08	Reduce the electricity consumption.
7. Energy Saving Awareness briefing at Morning Meeting of each department.	Oct'08	Build up the energy saving awareness.
8. Allocation of PIC for each area for daily monitoring for Energy Saving Programmed 	Oct'08	Try to build up the responsibility for all employees on energy saving.
9. Upgrading current conventional lighting to Energy Efficient fluorescent light	Jan'09	Reduce electricity consumption.
10. Reduce number of lighting usages	Jan'09	Reduce electricity consumption.

**Environmental Communication**



**Environmental Talk by Department Of Environment**

Environmental Awareness Talk had been conducted in KETM on 2nd and 3rd of April 2008 by Department of Environment Ministry of Natural Resources and Environment. The purpose is to build up the responsibility and environmental awareness for employees.



**Environmental Awareness Program**

An Environmental Awareness Program had been conducted at KETM on 21st May 2008 for all employees as a guidance to a better practises in waste management and recycling.



**Environmental Courses in e-Learning System**

ISO 14001 Awareness and Waste Management courses had been implemented through e-Learning System. The purpose is to build up the environmental awareness for all employees.

**Emergency preparedness and response**

**OUR EMERGENCY RESPONSE**

**Policy:**

To identify potential for/ and response to accidents and emergency situations, and for preventing and mitigating the environmental impacts that may be associated with them.

**Activities:**

1. 25/04/08 - ERT In-house training with BOMBA (Municipal Fire Brig)
2. 08/08/08 - Fire drill conducted with BOMBA and local authority.
3. Other monthly activity which include refreshment training for ERT team, fire fighting

