

A close-up photograph of several green corn leaves, showing their characteristic parallel veins and overlapping structure. The leaves are vibrant green and fill the entire frame, creating a natural, organic background.

## **Environmental statement 2009**

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EMAS Environmental Statement by  
Gorenje, d. d., and Gorenje I.P.C., d. o. o.  
for the year 2009



Velenje, July  
2 0 1 0

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# 1. Statement of Credibility of Environmental Data

The EMAS Environmental Statement for the period from January 1st to December 31st 2009 includes operations of the companies Gorenje, d. d., and Gorenje I.P.C., d. o. o. All information and facts stated in the EMAS Environmental Statement Environmental Statement are authentic and reflect the true and actual condition of the environmental management system at both companies.

In 2003, the parent company Gorenje, d. d., adapted its operations to the EMAS requirements as laid out in the EU Regulation No 761/2001; in 2006 the company Gorenje I.P.C., d. o. o., also joined the system. In June 2010, Slovenian Institute of Quality and Metrology (SiQ) carried out an audit of the EMAS system and found that it complies with all requirements of the EMAS Regulation.

**mag. Vilma Fece**

*Head of Environment Protection  
and Occupational Health and  
Safety*

## 2. Company Profiles

### **Activities of the company Gorenje, d. d.**

*Name::*

Gorenje, gospodinjski aparati, d.d.

*Date of entry into the Court Register:*

December 31<sup>st</sup> 1997

*Abbreviated company name:*

Gorenje, d.d.

*Head office:*

Velenje, Partizanska 12

*Company activity:*

Development, production and sales of household appliances, information and industrial equipment

*Activity code:*

27.510 Production of electric household appliances

### **Activities of the company Gorenje I.P.C., d. o. o.**

*Name:*

Gorenje I.P.C., Invalidsko podjetniški center, d. o. o. (social enterprise)

*Date of entry into the Court Register:*

June 25<sup>th</sup> 1997

*Abbreviated company name:*

Gorenje I.P.C., d. o. o.

*Head office:*

Velenje, Partizanska 12

*Company activity:*

Development, production and sales of electrical components, graphics products, polystyrene packaging and assembly of component kits for household appliances industry

*Activity code:*

27.510 Production of power outlets, switches, and other wiring

22.220 Production of packaging made of plastics

18.120 Other printing services

# 3. Scope of company activities

## Activities of the company Gorenje, d. d.

The EMAS system includes activities of the parent company, taking place at the following locations:

- Velenje, Partizanska 12,
- Šoštanj, Primorska cesta 6A and Primorska cesta 6D; and
- Rogatec, Ceste 56.

Activities of Gorenje, d. d., at the Velenje location are taking place in a mixed area intended for industrial, repair and maintenance, handicraft and service activities; at Šoštanj and Rogatec locations, activities are performed in locations intended for industry and craft.

EMAS system does not include Gorenje, d. d., MEKOM Program, at location Hrastje 2a, Bistrica ob Sotli, where refrigeration appliance doors are produced and where other activities not related to the company core activity take place.

Activities include development, production and sale of household appliances, information and industrial equipment. The production plants within the parent company are:

- Refrigerators / freezers Program: refrigerators, freezers and combined appliances;
- Cooking Appliances Program: electric and gas cookers, ovens, cooking hobs;
- Washer / dryer Program: washing machines, laundry dryers, pantry kitchens;
- MEKOM (mechanical components) Program: metal and plastic components;
- POINT Program: development, production and sale of information equipment;
- INDOP Program: development, production and sale of industrial equipment.

In 2009, Gorenje, d. d., had an average of 4,800 employees, of which approximately 4,200 were employed at the Velenje location, 190 worked at the Šoštanj plant and 270 at the Rogatec plant.

## Activities of the company Gorenje I.P.C., d. o. o.

The EMAS system includes company activities taking place at the following locations:

- Velenje, Partizanska 12,
- Šoštanj, Primorska cesta 6D;

Activities of Gorenje, I.P.C., d. o. o., at the Velenje locations are carried out in a mixed area intended for industrial, repair and maintenance, handicraft, and service activities. In Šoštanj, Gorenje I.P.C., d. o. o., is located in the industrial zone along the Primorska cesta, intended for industry and handicrafts.

Company activities comprise the following key processes: development and production of electrical components, printing, production of expanded polystyrene packaging, and assembly of subsets for household appliances. The production facilities include the following:

- Packaging Program: production of expanded polystyrene packaging;
- Services Program: assembly of subsets for household appliances;
- Graphics Program: production of instruction manuals for household appliances;
- Electrical Components Program: production of cable sets for household appliances.

In 2009, the average number of employees at Gorenje I.P.C., d. o. o., was 765 of which 325 were persons with disabilities. The number of employees at the Šoštanj location was 310, number of employees at Velenje location was 455.

Gorenje, d. d., is the sole shareholder of Gorenje, I.P.C., d. o. o., holding 100 percent ownership of the company. 98 percent of total production output of Gorenje I.P.C., d. o. o., is intended for programs of Gorenje, d. d. The company is connected to Gorenje, d. d. production processes through an information system. The system of quality management, environment protection, and occupational health and safety, is integrated into the said systems of Gorenje, d. d.; the same applies to maintenance, organization and IT.

## 4. Environmental Management System

At Gorenje, d. d., the environmental management system in compliance with the ISO 14001 standard was certified in 2000. In 2003, the system was upgraded to comply with the requirements for participation in the European environmental management system EMAS (Eco Management and Audit Scheme); in early April 2004, the audit was successfully carried out. Requirements for entry into the EMAS system register were met as of May 1st 2004 when Slovenia became a member of the European Union. In 2006, Gorenje, d. d., introduced a system of safe and healthy work in compliance with the OHSAS 18001 standard. Following the decision to implement integrated systems of environment protection and occupational safety and health, the systems were also introduced in 2007 by the company Gorenje, I.P.C., d. o. o.

Gorenje, d. d., issued the first environmental report in 2000. Environmental Report for 2003 already included a certified EMAS Environmental Statement. In compliance with the provisions of the EMAS Regulation, a complete environmental statement was also prepared for the year 2006, with updates to the Environmental Statement being issued in the years between. This Environmental Statement includes the period from January 1st to December 31st 2009 and it provides information on environmental operating activities of the companies Gorenje, d. d., and Gorenje I.P.C., d. o. o. The Statement is available to the interested public in electronic format, in Slovenian or in English. The next Environmental Statement shall be released in June 2011.

## 5. Development

Economic crisis in our key markets provided an additional impetus for us to offer our customers in 2009 several new products and product lines that are highly innovative both in terms of technology and design.

We have introduced the new Gorenje Simplicity line which employs an innovative principle of operation using a single logical dial. The line was created as a response to the contemporary living trends and the resulting needs and desires of modern consumers to live a simpler and more fulfilling life.

Gorenje designed by Karim Rashid is a collection of appliances that was unveiled at the IFA fair. It is the next step in our strategy of collaborating with notable figures from the world of design. One feature that should be specially noted is the MoodLite technology which is, along with the vertical LED stripe, the central element of distinction on these superiorly designed appliances. The technology allows the user to play with colours and to freely adjust the ambiance to their lifestyle or simply to their current inspiration or mood.

Our Retro Collection was retouched. The design of the past was upgraded with the technology of the future, and the resulting combination was spiced up by a vibe of trendy boldness in an exciting palette of new colours dictated by renowned fashion pundits. Modern consumers are looking for more individualism and daring, vivacious, playful and invigor-

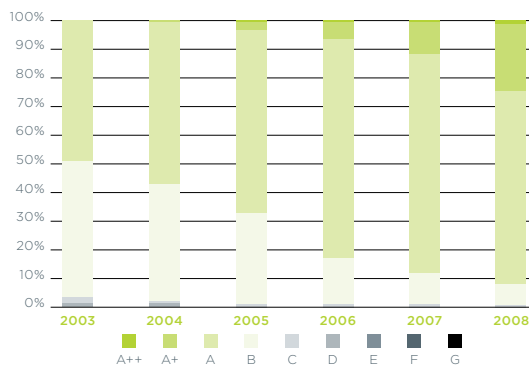
ating colours in their homes. Appliances of this collection are presented in three distinct styles: Chic, Vintage, and Funky.

We also started marketing the Gorenje for iPod products – a unique combination of a refrigerator and an iPod media playback device. The new product is aimed at bringing the use of home appliances closer to the modern consumer and to point out that use of appliances can be made simple and fun by employing information technology. Functionality of the high-tech combined refrigerator freezer is further extended by a wireless connection to the World Wide Web which allows searching, browsing and playback of tips, recipes and other video contents.

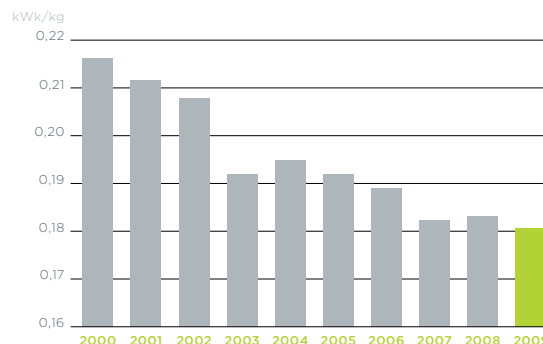
Furthermore, we carried on the implementation of new generation cooking appliances that boast innovative features like HomeMade oven system and DirecTouch control. Innovative solutions that allow cutting power consumption were also increasingly included in the products. Thus, we introduced to our offer of refrigeration appliances a range of new products rated in the A++ energy class.

However, Gorenje Group's care for the environment does not end when the products leave our factories. Carefully planned development efforts are aimed at prolonging the useful life of our products, improving their energy efficiency and minimizing their impact on the environment. This is confirmed by data on growth of sales for products ranked in the A energy efficiency class or higher, which represented as much as 92 percent of all products sold in 2008 (only in 2003, this share was at mere 49 percent). In 2009, we were highly committed to introducing new, innovative solutions that allow reducing energy consumption.

Sales of Gorenje Group refrigeration appliances by energy classes



Power consumption in Gorenje washing machines per kilogram of laundry



At Gorenje Group, the Division of Ecology, Energy and Services, whose activities are closely related to the activities of Gorenje, d. d., has been gaining importance in recent years. This division includes companies dealing with waste management, environmental projects, environmental monitoring, as well as the Solar program which offers investors a comprehensive solution for turnkey solar power plants, photovoltaic modules and other solar components.

In 2009, Gorenje, d. d., prepared four projects for solar power plant erection to be completed in 2010.

With regard to development, the company Gorenje, I. P. C., d. o. o., has been included in simultaneous development of household appliances at the parent company. Working with cooking appliances development team, use of flat control and power supply cables was introduced in cooking appliances. Electronic components Program saw the introduction of a high-performance machine Komax Zeta which allows higher productivity and product quality while being very rational in terms of power consumption. At Gorenje I. P. C., d. o. o., particular attention was paid in 2009 to further upgrades to workplaces, introducing IT support that allows tracing the integration of individual components and provides higher productivity and product quality.

## 6. Environmental policy

Serving the purpose of establishing environmental management and occupational safety and health systems at subsidiaries, a joint environment protection and occupational safety and health policy was issued for the companies Gorenje, d. d., Gorenje I.P.C., d. o. o., and Gorenje Orodjarna (Toolmaking plant), d. o. o. In 2009, this policy continued to match the environmental activities of all three companies.

*Gorenje's strategic plan for the medium term period 2006-2010 is based on pursuit of the Group's vision and mission: to create original technologically perfected excellently designed and user- and environment-friendly products for a cosy home. We are focused on improving consumer satisfaction as we create value for the shareholders, employee, and other Gorenje Group stakeholders, in a socially responsible manner.*

*Due to its importance, the environment protection policy and occupational safety and health policy are constituent parts of Gorenje's corporate governance and the company's organizational culture.*

*Environment protection and provision of safe working conditions are among the basic rights, obligations, and responsibilities of all employees and as such, they should be treated as constituent parts of corporate governance.*

*We are committed to carry on the following activities:*

- including protection of working and broader environment into our development strategy, annual and operative plans, by applying planned measures, assets, responsible persons and by observing deadlines, in order to allow our employees to perform their work tasks in a safe and healthy manner, while constantly reducing risk of injury or illness and mitigating negative impact on the environment;*
- monitoring and measuring the indicators of the status in the working environment and environmental aspects, including appropriate response measures in case of any discrepancy;*
- improving the condition of working and broad environment at our company, subject to relevant regulations;*
- planning and implementation of new technologies and products in compliance with the environment protection principles and implementing appropriate, flawless and ergonomic working equipment while constantly looking for possibilities to improve the working conditions;*
- use such materials and components that will comply with the strictest of domestic and foreign environment standards;*
- planning new products in compliance with the requirements of environmental designing which includes the entire useful life of a product: from development, through production, to waste management after the expiration of useful life;*
- reducing the volume of waste generated and rationalizing the use of energy resources;*
- implementing measures to protect the workers from risks related to occupational exposure to noise;*
- educating, training and raising awareness of our employees and partners about the responsibility to the working and broad environment;*
- cooperating with interested internal and general public to contribute to the success of common environment protection and occupational safety and health efforts;*
- informing the public about our achievements in environment protection and care for occupational safety and health.*

# 7. Identification of Environmental Aspects and Assessment of Environmental Impact

Environmental aspects are defined as elements of activities, products and services that interact with and bear an impact on the environment. The analysis of environmental aspects includes all stages of the production process, products and activities, both in normal operation and in operation under extraordinary conditions or states of emergency. In identifying a particular aspect, the following criteria have been applied:

- environment policy and legislative requirements;
- opinion of interested parties and stakeholders;
- risk assessment;
- own assessments; and
- assessments pertaining to extraordinary conditions and states of emergency.

In assessing the environmental impacts which include every change to the environment, favourable or detrimental, resulting in part or entirely from the activities, products, and services being produced or taking place at Gorenje, d. d., and Gorenje I. P. C., d. o. o., the following has been considered:

- direct impact, i.e. direct results of the companies' own activities over which the companies have direct control;
- indirect impact, i.e. the effects caused directly by other parties, which, however, the occurrence and scope of which, and/or nature of pollution thereof may be affected by our activities (e.g. use of our products, logistics, power production, etc.);

Framework and operative environmental targets and programs have been defined for major environmental aspects and the identified environmental aspects are being changed in compliance with the legislation (raw materials, emissions into air, water, and ground, noise, waste, etc.) and environment policy. Gorenje, d. d., is also monitoring the use of energy resources, which is a vital part of environment protection for entities liable based on the Integrated Pollution Prevention and Control Permit.

In 2007, environmental aspects were fully assessed at Gorenje, d. d., and Gorenje I.P.C., d. o. o. Following the changes to the legislation and organizational changes in the company, they were reassessed; however, no changes were required to the Environmental Aspects Register.

Based on the assessment of environment aspects, product / service, and technological wastewater from production processes were defined as major aspects at Gorenje, d. d. With regard to products and technological wastewater, the stress is on the content of hazardous substances. A service is defined as a service rendered which has to take into account the environment requirements (e.g. content of hazardous substances in spare parts, waste management, etc.).

Similarly to Gorenje, d. d., product / service was defined as a key aspect at Gorenje I.P.C., d. o. o., as well.

Identified and assessed environmental aspects at Gorenje, d. d.

IDENTIFIED ENVIRONMENTAL ASPECTS	IMPORTANT ENVIRONMENTAL ASPECTS
<b>1. RAW MATERIALS</b> <ul style="list-style-type: none"> <li>• sheet metal</li> <li>• metal and non-metal based components</li> <li>• chemicals</li> <li>• thermal and sound insulation</li> <li>• semi-finished goods, made of rubber and plastic</li> <li>• packaging material</li> </ul>	
<b>2. ENERGY RESOURCES</b> <ul style="list-style-type: none"> <li>• electric power</li> <li>• thermal energy</li> <li>• natural gas</li> <li>• compressed air</li> <li>• water</li> </ul>	
<b>3. OTHER</b> <ul style="list-style-type: none"> <li>• office supplies</li> <li>• additional material</li> </ul>	
<b>4. EMISSIONS</b> <ul style="list-style-type: none"> <li>• emissions into air</li> <li>• emissions into ground</li> <li>• noise emission</li> <li>• emissions into water                             <ul style="list-style-type: none"> <li>– technical wastewater</li> <li>– cooling wastewater</li> <li>– utility wastewater</li> <li>– sewage system:                                     <ul style="list-style-type: none"> <li>- sewage system for acids</li> <li>- rainwater sewage system</li> <li>- faecal sewage system</li> </ul> </li> </ul> </li> <li>• lighting</li> </ul>	<ul style="list-style-type: none"> <li>– technical wastewater</li> </ul>
<b>5. WASTE</b> <ul style="list-style-type: none"> <li>• hazardous waste</li> <li>• secondary raw materials</li> <li>• waste for disposal</li> </ul>	
<b>6. PRODUCTS</b> <ul style="list-style-type: none"> <li>• product / service</li> <li>• own parts</li> <li>• purchased parts</li> </ul>	<ul style="list-style-type: none"> <li>• product / service</li> </ul>

Identified and assessed environmental aspects at Gorenje I.P.C., d.o.o.

IDENTIFIED ENVIRONMENTAL ASPECTS	IMPORTANT ENVIRONMENTAL ASPECTS
<b>1. RAW MATERIALS</b> <ul style="list-style-type: none"> <li>• sheet metal</li> <li>• metal and non-metal based components</li> <li>• chemicals</li> <li>• thermal and sound insulation</li> <li>• semi-finished goods, made of rubber and plastic</li> <li>• packaging material</li> </ul>	
<b>2. ENERGY RESOURCES</b> <ul style="list-style-type: none"> <li>• electric power</li> <li>• thermal power</li> <li>• natural gas</li> <li>• compressed air</li> <li>• water</li> </ul>	
<b>3. OTHER</b> <ul style="list-style-type: none"> <li>• office supplies</li> <li>• additional material</li> </ul>	
<b>4. EMISSIONS</b> <ul style="list-style-type: none"> <li>• emissions into air</li> <li>• emissions into ground</li> <li>• noise emission</li> <li>• emissions into water                             <ul style="list-style-type: none"> <li>– technical wastewater</li> <li>– cooling wastewater</li> <li>– utility wastewater</li> <li>– sewage system:                                     <ul style="list-style-type: none"> <li>- sewage system for acids</li> <li>- rainwater sewage system</li> <li>- faecal sewage system</li> </ul> </li> </ul> </li> <li>• lighting</li> </ul>	
<b>5. WASTE</b> <ul style="list-style-type: none"> <li>• hazardous waste</li> <li>• secondary raw materials</li> <li>• waste for disposal</li> </ul>	
<b>6. PRODUCTS</b> <ul style="list-style-type: none"> <li>• product / service</li> <li>• own parts</li> <li>• purchased parts</li> </ul>	<ul style="list-style-type: none"> <li>• product / service</li> </ul>

## 8. Material balance

### 8.1 Material balance of Gorenje, d. d.

	2003		2006		2009	
	(t)	(%)	(t)	(%)	(t)	(%)
Input raw materials	155,377.2	100	188,685.8	100	150,009.01	100
Output						
• products	139,684.6	89.9003	171,029.1	90.6423	138,388.4	92.2534
• metal secondary raw materials	11,702.1	7.5314	13,451.7	7.1291	8,272.90	5.5149
• non-metal secondary raw materials	2,258.9	1.4538	2,633.1	1.3955	2,102.59	1.4017
• waste for disposal	1,216.8	0.7831	1,027.40	0.5445	670.90	0.4472
• non-hazardous waste	/	/	/	/	461.27	0.3075
• hazardous waste	502.3	0.3233	498.2	0.2641	101.88	0.0679
• emissions into water	0.2	0.0001	1.120	0.0006	0.17	0.0001
• emissions into air	12.5	0.0080	45.2	0.0235	10.90	0.0073

The balance for 2009 includes production of household appliances at plants located in Velenje, Šoštanj and Rogatec. Šoštanj and Rogatec plants mostly manufacture components that are in turn installed into final products – household appliances produced at the Velenje plant. The quantities of input raw materials depend on the planned or actually produced volume of household appliances.

Basic input raw materials for household appliance production are sheet metal, plastic granulates, electrical components, chemicals and packaging materials. Output of the material balance includes products (household appliances), waste and emissions into water and air.

Waste is divided into secondary raw materials (metal and non-metal), hazardous waste, disposed waste (waste collected and disposed of at disposal sites) and other non-hazardous waste. Polymer waste is recycled within in-house processes. Due to the changes in waste management and legislation, the balance separately specifies non-hazardous waste: waste dust, ashes, waste enamel, and waste sludge generated in the wastewater treatment plant, which is, based on an assessment by an appraiser authorized by the Ministry, no longer classified as hazardous waste.

Hazardous waste includes waste chemicals, oil-stained cloth, and used emulsions and mineral oils. Emissions into air include emissions from all technological processes at Gorenje, except for emission of flue gasses resulting from consumption of fuels.

Emissions into water include all parameters specified by the national legislation and environmental permits, except for sulphate which is not classified as a major environment aspect of Gorenje, d. d., operations.

Material balance for the period from 2003 to 2009 indicates a decrease in the share of metal and non-metal secondary raw materials and hazardous and disposed waste. The share of products in the composition of the balance is constantly increasing which is a result of a rising share of production of advanced and larger household appliances in total production. Manufacture of smaller appliances (refrigerators and freezers) has been relocated to Serbia. A drop in the shares of emissions into water and air can be observed which is a result of a change in the set of parameters included into the processes of continuous monitoring based on the environmental permit, and lower identification threshold in methods of analysis.

## 8.2 Material balance of Gorenje I.P.C., d. o. o.

	2006		2009	
	(t)	(%)	(t)	(%)
Input raw materials	4,374.70	100	3,549.90	100
Output				
• products	4,103.92	93.8103	3,279.04	92.3699
• metal secondary raw materials	10.85	0.2480	10.76	0.3032
• non-metal secondary raw materials	143.50	3.2802	194.44	5.4773
• waste for disposal	115.00	2.6288	64.25	1.8099
• hazardous waste	1.30	0.0297	1.20	0.0338
• emissions into water	-		0.005	0.0001
• emissions into air	0.13	0.0030	0.207	0.0058

The balance for 2009 includes production at Velenje and Šoštanj plants. Basic input raw materials are paper used at the Graphics program and expanded polystyrene which is the basic raw material for packaging. Materials used at the Services Program and Electro Components Program are the property of Gorenje, d. d.; the company Gorenje I.P.C., d. o. o., only provides the services.

The output side of the material balance includes products (printed material, packaging), waste, and emissions into water and air. Emissions into water and air are generated at the Packaging Program. Metal secondary raw materials include waste wire, while non-metal secondary raw materials include waste paper from the Graphics Program and waste packaging. Hazardous waste includes oil from the machinery used in the Packaging Program, and a small amount of waste printing dyes is also generated.

# 9. Environmental Management Efficiency

## 9.1 Environmental Objectives

### 9.1.1 Environmental Objectives of Gorenje, d.d.

In 2007, the following goals were defined and adopted with regard to environment protection, to be attained by 2010:

- implementation of requirements related to use of certain hazardous substances in products;
- decomposition of waste electrical and electronic equipment;
- reducing the quantity of waste generated;
- reducing the quantity of waste industrial packaging;
- effective use of energy resources.

Aspect	Unit	Objective 2010
Reduction in the quantity of		
• hazardous waste	kg/unit	0.10
• waste for disposal	kg/unit	0.25
Effective use of energy resources:		
• water	m <sup>3</sup> /unit	0.15
• electric power	kWh/unit	23.00
• compressed air	m <sup>3</sup> /unit	15.20
• natural gas	Sm <sup>3</sup> /unit	1.04

In the period 2007 to 2009, the quantity of hazardous waste fell from 0.14 to 0.04 kg/unit, which means it dropped to a level that is 60 percent lower than the outline target. As a result of the new assessment of waste (due to inclusion of new parameters into the analysis of waste sludge which have shown that it is no longer a hazardous waste), sludge from the wastewater treatment plant is no longer classified as hazardous waste. The quantity of disposed waste, however, exceeds the outline target by 20 percent. Water consumption is 27 percent lower than the outline goal as a result of technological advancements and economizing measures in technological procedures. Use of other energy resources and fuels has risen due to a lower production output and production of larger, more complex appliances. Use of natural gas is 19 percent above the specified outline target, use of compressed air is 8 percent higher, and use of electric power exceeds the target by 12 percent.

### 9.1.2 Environmental Objectives of Gorenje I.P.C., d. o. o.

Aspect	Unit	Objective 2010
Reducing the quantity of waste generated		
• hazardous waste	kg	1,040
• waste for disposal	kg	90,000
Effective use of energy resources:		
• water	l/unit	1.130
• electric power	kWh/unit	0.040
• compressed air	m <sup>3</sup> /unit	0.090
• natural gas	Sm <sup>3</sup> /unit	0.100

The quantity of waste disposed was cut in the period 2007 to 2009 to a level that is 29 percent below the outline target. This was partly affected by lower production, and particularly improved waste sorting at the source. The quantity of hazardous waste is 20 percent above than the target, mostly as a result of larger quantity of used oil at the Packaging Program.

With regard to outline goals for rational use of energy and resources, water consumption is 21 percent below the outline target and compressed air consumption is 2 percent lower. Electric power consumption exceeds the target by 20 percent and natural gas consumption is 25 percent above the outline target. Consumption was increased as a result of production of more complex assemblies and lower total production output (some equipment must be in operation despite the lower output, and energy is supplied to some lines that are not fully utilized).

## 9.2 Meeting Implementation Targets of Gorenje, d.d.

### 9.2.1 Location Velenje

Aspect	Unit	2002	2003	2004	2005	2006	2007	2008	2009	Target 2009
Reducing the quantity of										
• hazardous waste	kg/unit	0.25	0.18	0.21	0.20	0.15	0.14	0.14	0.04	0.10
• secondary raw materials	kg/unit	4.23	4.23	4.33	-	-	-	-	-	-
• waste for disposal	kg/unit	0.49	0.44	0.36	0.33	0.30	0.31	0.31	0.30	0.29
Effective use of energy resources:										
• water	m <sup>3</sup> /unit	0.18	0.19	0.20	0.20	0.18	0.112	0.117	0.11	0.11
• electric power	kWh/unit	21.62	22.24	22.39	23.09	23.00	24.65	25.02	25.72	24.00
• thermal energy	kWh/unit	12.47	13.28	13.72	13.42	11.43	-	-	-	-
• compressed air	m <sup>3</sup> /unit	15.09	13.45	17.47	15.29	16.06	15.44	15.70	16.38	15.30
• natural gas	Sm <sup>3</sup> /unit	1.02	1.03	1.02	1.04	1.04	1.17	1.23	1.24	1.14

#### Attainment of environment protection targets

The quantity of hazardous waste in 2009 is 60 percent below the specified target. As a result of the new assessment of waste (due to inclusion of new parameters into the analysis of waste sludge which have shown that it is no longer a hazardous waste), sludge from the wastewater treatment plant is no longer classified as hazardous waste. The quantity of disposed waste exceeds the target by 3.4 percent.

Specific use of all energy resources and fuels has increased due to production of larger and more complex appliances and lower total production output (some equipment must be in operation despite the lower output, and energy is supplied to some lines that are not fully utilized). With regard to outline goals for rational use of energy and resources, the target was attained for water consumption, while the use of natural gas still exceeds the target by 8.8 percent, compressed air by 7.1 percent, and electric power by 7.2 percent.

No corrective measures were required as a result of the deviation from the specified targets.

### 9.2.2 Location Rogatec

Aspect	Unit	2006	2007	2008	2009	Target 2009
Reducing the quantity of						
• hazardous waste	t	22.7	22.3	23.8	9.3	22.6
• waste for disposal	t	69.4	65.2	57.2	23.8	54.3

Comparison of the quantities of hazardous waste points to a decrease relative to the year before as the figure is 58.8 percent below the specified target. Quantity of disposed waste is also lower, representing only 50.6 percent of the target value. The drop in the quantity of hazardous waste generated is a result of the new assessment of waste (due to inclusion of new parameters into the analysis of waste sludge which have shown that it is no longer a hazardous waste), sludge from the wastewater treatment plant is no longer classified as hazardous waste. The quantity of disposed waste was cut owing to more consistent waste sorting.

## 9.2.3 Location Šoštanj

Aspect	enota	2006	2007	2008	2009	Target 2009
Reducing the quantity of						
• hazardous waste	t	1.9	0.45	9.2	6.3	10.3
• waste for disposal	t	32.3	32.2	35.5	19.3	33.7
Rational use of energy resources						
• water	m <sup>3</sup>	2,994	2,790	3,419	3,125	3,248
• electric power	kWh	1,372.973	1,981.574	2,771.067	2,851.166	2,772.000

In 2009, the quantity of hazardous waste is 38.6 percent below the specified target and the quantity of disposed waste is 42.7 percent lower. Water consumption is also within the target, by 3.8 percent, while electric power consumption exceeds the target value by 2.9 percent. Discrepancies are a result of lower total production output.

## 9.3 Meeting Implementation Targets of Gorenje I.P.C., d. o. o.

### 9.3.1 Location Velenje

Aspect	Unit	2004	2005	2006	2007	2008	2009	Target 2009
Reducing the quantity of								
• hazardous waste	kg	-	0	1,138	1,200	1,120	1,200	1,116
• waste for disposal	kg	-	45,000	82,800	64,612	65,317	47,420	65,250
Rational use of energy								
• water	m <sup>3</sup> /unit	1.594	4.829	3.897	2.492	2.525	3.100	2.520
• electric power	kWh/unit	0.044	0.057	0.060	0.058	0.060	0.053	0.059
• compressed air	m <sup>3</sup> /unit	0.086	0.100	0.103	0.100	0.101	0.088	0.098
• natural gas	Sm <sup>3</sup> /unit	0.229	0.130	0.131	0.125	0.127	0.125	0.125

The quantity of hazardous waste is 7.00 percent above the target specified. The cause of such excess is larger quantity of waste oil at the Packaging Program.

The quantity of disposed waste was 27.4 percent below the specified target. This was partly the effect of lower production output, and particularly better waste sorting at the source.

The targets pertaining to rational use of energy were fully attained for electric power (10.16 percent below target), compressed air (10.02 percent below target) and natural gas where actual consumption equalled the target value. The latter should be particularly noted as gas consumption (Sm<sup>3</sup>/unit) was lower than in 2008 despite lower production output.

Use of water was 23.02 percent above the target, as a result of increased consumption in the first quarter. Corrective activities were implemented, including a 11-step workshop that identified irrational use of water for sample cooling. After the implementation of corrective activities, average use of water was within the specified targets.

### 9.3.2 Location Šoštanj

Aspect	enota	2004	2005	2006	2007	2008	2009	Target 2009
Reducing the quantity of								
• hazardous waste	kg	-	1,770	162	0	45	0	44
• waste for disposal	kg	-	80,000	32,200	48,718	37,057	16,832	37,050
Rational use of energy resources								
• water	l/unit	-	0.099	0.111	0.097	0.061	0.054	0.060
• electric power	kWh/unit	-	0.039	0.037	0.034	0.036	0.043	0.035

In 2009, no hazardous waste was generated in the technological processes taking place at the Šoštanj site.

Quantity of disposed waste was 54.57 percent lower than target value. This is partly a result of lower production output, while the predominant factor was improved waste sorting, particularly for cardboard and plastics.

Goals with regard to rational use of energy were attained for water consumption which was 10.0 percent lower than planned.

The target was not attained for electric power consumption which was 22.85 percent above the planned figure, as a result of the following three causes: first, increased use in the first quarter - which was addressed in a workshop that established an error in electric power consumption measurement, and the measurement points were updated, separately by floors and by programs; secondly, lower production output while lighting and air conditioning continue to operate at the same level.

The main cause, however, is the change in the type of products being produced, lower number of units (one unit made of several cable circuits). With production output decrease of 12.89 percent, the number of units produced was 35.91 percent lower. This information points out that the indicator of consumption (kWh/unit) is not fully realistic in such production.

As a result, new indicators of energy consumption will be introduced in 2010, in compliance with the EMAS regulation.

## 10. Targets for 2010

EC Regulation No. 1221/2009 of the European Parliament and of the Council of 25th November 2009 on the voluntary participation by organizations in a Community eco-management and audit scheme (EMAS), repealing Regulation (EC) No 761/2001 and Commission Decisions 2001/681/EC and 2006/193/EC, effective as of January 11th 2010, specifies and stipulates reporting on environment performance of organizations. Such reporting must be based on general performance indicators specific to a particular industry, which allow comparison of environment performance in various periods of reporting and among different organizations. Accordingly, Gorenje, d. d., and Gorenje I.P.C., d. o. o., specified their respective environment goals, or targets, pursuant to the new EMAS Regulation. At Gorenje, d. d., the targets for 2010 are stated in measurement unit relevant to each environmental aspect per gross weight of appliances produced; at Gorenje I.P.C., d. o. o., the indicators are given in measurement unit for a particular aspect per euro of net revenue. To make the targets for 2010 more transparent and intelligible, values for particular indicators have been recalculated to comply with this methodology back to the year 2006.

## 10.1 Environmental Objectives

### 10.1.1 Environmental Objectives of Gorenje, d. d.

The targets for the period from 2010 to 2013 are as follows:

- implementation of requirements related to hazardous substances in products;
- decomposition of waste electrical and electronic equipment;
- reducing the quantity of waste generated;
- rational use of energy.

### 10.1.2 Environmental Objectives of Gorenje I.P.C., d. o. o.

Following are the targets for the period from 2010 to 2013:

- implementation of requirements related to hazardous substances in products;
- reducing the quantity of waste generated;
- rational use of energy.

## 10.2 Implementation targets

### 10.2.1 Implementation targets of Gorenje, d. d.

Location Velenje

Aspect	Unit	2006	2007	2008	2009	Target 2010
Reducing the quantity of						
• waste class no. 19 12 12	kg/unit kg/t*	0.30 5.8	0.31 5.8	0.31 5.9	0.30 5.7	0.28 5.3
Rational use of energy resources						
• water	m <sup>3</sup> /unit m <sup>3</sup> /t*	0.18 3.43	0.112 2.16	0.117 2.22	0.11 2.12	0.11 2.08
• electric power	kWh/unit kWh/t*	23.00 442.1	24.65 464.2	25.02 472.1	25.72 488.0	24.80 468.8
• compressed air	m <sup>3</sup> /unit m <sup>3</sup> /t*	16.06 308.6	15.44 290.9	15.7 296.4	16.38 310.8	15.60 294.9
• natural gas	Sm <sup>3</sup> /unit Sm <sup>3</sup> /t*	1.04 19.9	1.17 22.1	1.23 23.3	1.24 23.5	1.30 24.6

\* Measurement unit relevant to a particular aspect per gross weight of appliance produced

Location Rogatec

Aspect	Unit	2006	2007	2008	2009	Target 2010
Reducing the quantity of						
• hazardous waste	t	22.7	22.3	23.8	9.3	9.0
• waste class no. 19 12 12	t	69.4	65.2	57.2	23.8	22.5

Location Šoštanj

Aspect	Unit	2006	2007	2008	2009	Target 2010
Reducing the quantity of						
• hazardous waste	t	1.9	0.45	9.2	6.3	6.0
• waste class no. 19 12 12	t	32.3	32.2	35.5	19.3	18.5
Rational use of energy						
• water	m <sup>3</sup>	2,994	2,790	3,419	3,125	3,000
• electric power	kWh	1,372,973	1,981,574	2,771,067	2,851,166	2,900,000

10.2.2 Implementation Targets of Gorenje, I.P.C., d. o. o.

Location Velenje

Aspect	Unit	2006	2007	2008	2009	Target 2010
Reducing the quantity of						
• waste class no. 19 12 12	kg	82,800	64,612	65,317	47,420	54,000
Rational use of energy						
• water	l/€ NR*	5.542	3.381	3.810	5.249	3.800
• electric power	kWh/€ NR*	0.150	0.148	0.161	0.151	0.150
• compressed air	m <sup>3</sup> /€ NR*	0.147	0.136	0.152	0.149	0.150
• natural gas	Sm <sup>3</sup> /€ NR*	0.186	0.170	0.192	0.211	0.210

\* € NR - measurement unit, euro net revenue

Location Šoštanj

Aspect	Unit	2006	2007	2008	2009	Target 2010
Reducing the quantity of						
• waste class no. 19 12 12	kg	32,200	48,718	37,057	16,832	27,600
Rational use of energy						
• water	l/€ ČP*	0.494	0.467	0.289	0.221	0.220
• electric power	kWh/€ ČP*	0.163	0.161	0.174	0.178	0.170

\* € NR - measurement unit, euro net revenue

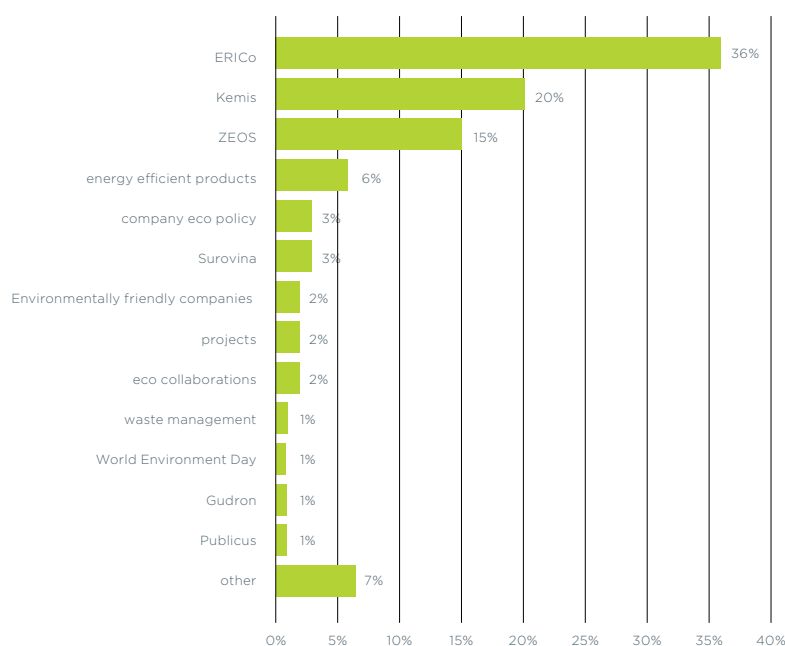
# 11. Communication with interested parties

Increasingly more users are opting for home appliances that are environmentally friendly and energy efficient. Gorenje is looking to additionally motivate such decisions among their customers by communicating the advantages of environmentally friendly appliances both in terms of reduced environmental impact and lower costs for the user. To this end, Gorenje launched the “ECO FAMILY” (“Eko družina”) campaign and published two brochures that introduce the advantages of modern technological solutions, offer advice on why and how to use environmentally friendly home appliances, as well as provide information on what to do with an obsolete appliance.



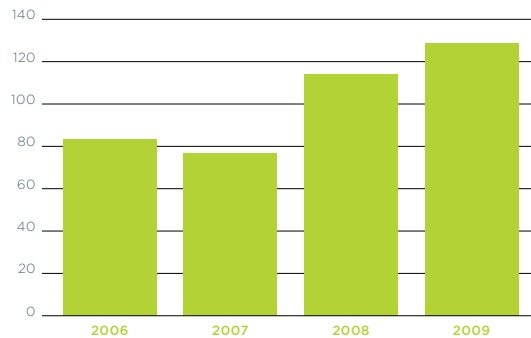
In 2009, Slovenian media published 7,822 reports on Gorenje. Environmental issues were discussed in 128 reports, which is 1.6 percent of all media appearances in the last year.

Among environmental issues, the media paid the most attention in 2009 to companies of the Energy and Environment Protection Division: ERICo Institute (44 reports) is followed by accounts of Kemis opening the waste processing plant, and reports on the operations of the company ZEOS.



With regard to environment protection issues, the media rated Gorenje's performance exclusively as positive. Hence, the company was featured on the list of top environmental companies and the media often praised Gorenje's energy efficient products and corporate eco policy. No negative reports were found in 2009.

In four recent years, the number of reports on environmental issues was as follows:



In 2009, Gorenje, d. d., was addressed by nine groups or individuals looking for additional information on environmental management. Most often, they were looking for response for various environmental surveys, or they visited Gorenje. In two cases, Gorenje, d. d., received complaints about its conduct. In the first case, an environmental inspector conducted an extraordinary inspection following an anonymous report on disposal of tree branches on water protection zone that was a property of Gorenje. Since the branches were disposed of by the citizens of Pesje, they removed the material themselves. In the second case, the citizens of Stara vas complained about Gorenje's lighting disturbing them in their homes at night. Gorenje replaced the lamp that disturbed its neighbours.

Gorenje I.P.C., d. o. o., was not contacted about any environmental issues in 2009.

In 2009, the Inspectorate of the Republic of Slovenia for the Environment and Spatial Planning conducted two regular and one extraordinary visits at Gorenje, d. d. The following environmental aspects were reviewed during the first regular inspection: wastewater treatment, packaging and waste packaging treatment, noise emissions, electromagnetic radiation, and efficient use of water and energy resources. The second regular inspection, taking part at the Rogatec plant, included a review of the following aspects: wastewater treatment, emissions into air, waste management, and noise emissions. No decisions were issued.

Periodic training on occupational safety and health, fire safety, and environment protection was carried out according to annual plans in 2009. At Gorenje, d. d., training was attended by 1,360 workers, including e-education. Furthermore, training was provided for 1,000 employees whose employment was temporarily suspended (temporary furlough) as a result of the economic crisis. At Gorenje I.P.C., d. o. o., 204 employees took part in environment protection training.

Gorenje professional fire squad worked with the Šaleška dolina (Šalek Valley) Volunteer Firemen Association to conduct a tactical fire fighting drill VELENJE BUS STATION 2009. The drill tested the operative train-

ing, form, and coordination of various units for protection, rescue, and aid in the Velenje Municipality. They checked the procedures of response, information dissemination, and alarming in case of a major fire or a major accident.

In 2009, another environment protection inspection was carried out at Gorenje I.P.C., d. o. o. The following aspects were reviewed: waste management, emissions into water, emissions into air, and noise. No decisions were issued. Gorenje I.P.C., d. o. o., submitted to the Environmental Agency of the Republic of Slovenia an application to extend the environmental permit for emissions into water for the polystyrene packaging plant.

At both companies, internal communication which includes environment protection is conducted via Works Council, system of submission and awarding of beneficial proposals called "Sparks" ("Iskrice"), the 20 key system, internal magazines, and coordinators for environment protection and occupational safety and health. The employees are informed about the events and policies with regard to environment protection with reports in internal magazines: Info.G weekly and "Pika na G" quarterly.

Late in 2008, Gorenje took part in the campaign "Energija si, bodi učinkovit" ("Energy, be efficient") and the campaign "Save up to 30 percent of energy by washing at 30 °C". The latter used stationary bicycles to present power generation, thus illustrating to the users the required input of energy for a washing cycle at 30 °C. As energy efficient products, Gorenje washing machines offer a range of additional savings. Gorenje was ranked among the 35 nominees for the selection of the "Sunny personality" or "Sunny Group" of 2008, as voted by the readers of the web portals "Sončeve pozitivke" ("The Sunny Positives") and "Svet je lep" ("The World is Beautiful"), and the magazines "Karma Plus" and "Viva". At the award ceremony in 2009, Gorenje received a Sunny Personality Commendation for the year 2008, for activities in the field of personal and spiritual growth, healthy lifestyle, ecology, social care, and efforts to make the world a better place.

## 12. Meeting legal and other requirements

Based on continuous monitoring of legal (in the field of emissions into water, emissions into air, waste, noise, packaging, chemicals, energy resources, building construction and protection against natural and other disasters) and other requirements related to environment protection, careful environmental assessment of company operations, results of environment monitoring and results of inspection reviews, we estimate that operations of the companies Gorenje, d. d., and Gorenje I.P.C., d. o. o., are in compliance with legal and other requirements specified by the requirements of the ISO 14001 standard and EMAS Regulation.

The company meets legally provided limit values with regard to wastewater, emissions into air, and noise released into the environment, specifically defined for its activity. For other previously listed areas, no limit values are provided by currently effective legislation.

Gorenje, d. d., obtained an Integrated Pollution Prevention And Control Permit for its Velenje plant (hereinafter referred to as IPPC permit). Section 2 of the Permit lists the requirements to be met by all IPPC equipment: measures for reducing emissions into air (sealing of equipment parts, regular maintenance, etc.), keeping operation logs on equipment for gas filtering and diesel engines, occasional measurements every third year, compliance with general requirements relevant for the equipment containing over 3 kilograms of ozone depleting substances or fluorinated greenhouse gases, special measures regarding emissions into water (use of technology that reduces the use of water, life span prolonging treatment of working tubs, etc.), appropriate management of all hazardous waste, observing allowed limit values for emissions into water and conducting operational monitoring, appropriate storage of waste and conduct in compliance with the waste management plan, appropriate treatment of waste packaging – contract with a waste packaging management company or service provider, providing appropriate management of waste electrical and electronic equipment, observing the requirements on noise emissions into natural and living environment, conducting operational monitoring for noise emissions every third year, obtaining a water permit for the use of water, keeping records on the use of water, power, raw materials, as well as on the generation of waste and emissions into water and air, implementing measures that allow the highest possible level of environment protection, managing the risks in case of accidents, and management of emergency conditions. As the operator of IPPC equipment, Gorenje reports annually to the Environmental Agency in all impacts on the environment.



# 13. Environmental Auditor's Statement



## Environmental Auditor's Statement on activities of auditing and certifying No O-001 2010 and O-002 2010

### Slovenian Institute of Quality and Metrology

Environmental Auditor's registration number SV-V-0001,  
accredited for auditing activities at organizations (NACE: 27.510, 27.330, 22.22, 18.120)  
hereby declare that we have audited the organizations ,

#### Gorenje d.d.,

Partizanska 12, Velenje, Primorska 6A and 6D, Šoštanj ter Ceste 56, Rogatec,  
registration number SI-00001

#### Gorenje I.P.C. d. o. o.,

Partizanska 12, Velenje, Primorska 6D, Šoštanj  
registration number SI-00002

to find whether the said organizations comply with all requirements of the Regulation (EC) No 1221/2009 of the European Parliament and of the Council of 25 November 2009 on the voluntary participation by organizations in a Community eco-management and audit scheme (EMAS).

By signing this document, we declare the following:

- The audit and certification were conducted in full compliance with the requirements of the EC Regulation No. 1221/2009;
- The results of the audit and certification confirm that there is no proof of non-compliance with the effective legislative requirements relevant to the environment;
- The data and information in the environmental statement "EMAS Environmental Statement of the companies Gorenje, d. d., and Gorenje I.P.C., d. o. o., for the year 2009, June 2010" are a reliable, true, and correct account of all activities at both organizations, in the extent specified in the Environmental Statement.

This document shall not be deemed equivalent to EMAS Registration. EMAS Registration may only be awarded by an authorized body pursuant to the EC Regulation No. 1221/2009. This document shall not be used independently for any public communication.

Ljubljana, 21 July 2010

Managing Director:  
Igor Likar



**SLOVENSKA  
AKREDITACIJA**  
Uredba (ES) št. 761/2001  
**SI-V-0001**

A handwritten signature in blue ink, appearing to be 'Igor Likar', is written over a horizontal line.

