



## 2011 Activity Report

ASSOCIATION OF PRODUCERS  
OF APPLIANCES FOR RECYCLING

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## ENVIDOM – Association of producers of appliances for recycling

### Founded:

on the basis of a deed of foundation from the 15th of March 2005

### Registered:

on May 5th, 2005 in the register of interest associations of legal entities kept at the Regional State Administration Office in Bratislava under No. OVVS/1362/2/2005-TSK.

ENVIDOM is a collective organization of electrical and electronic equipment for category 1 – Large household appliances, category 2 – Small household appliances and category 6 – Electrical and electronic equipment, registered on December 15th, 2009 under Art. 68 par. 2 sub-sec. u) of Waste Act No. 223/2001 Coll. amending certain acts, as amended, in the Register of Collective Organizations kept at the Ministry of Environment of the Slovak Republic under registration No. KOVEZ 02.

### Current ENVIDOM members in 2011

(founding members and other ENVIDOM members who delegate representatives to executive and supervisory bodies of the association):

BSH domácí spotřebiče, s.r.o. (BOSCH and Siemens)

Electrolux Slovakia, s.r.o. (Electrolux, Zanussi and AEG)

ETA-Slovakia, s.r.o.

Fagor Slovensko, s.r.o.

Gorenje Slovakia, s.r.o. (Gorenje, Mora)

Groupe SEB ČR a SR, s.r.o. (Moulinex, Tefal and Rowenta)

Indesit Company Česká, s.r.o.

Whirlpool Slovakia, s.r.o.

In 2006, ENVIDOM received “Zlatý mravec” (Golden Ant) award in the communal waste management category for developing a functioning system of collection of electrical equipment through retailers with a centralized management and logistics system via web portal in throughout SR.

ENVIDOM is a regular member of the international WEEE FORUM Association which associates European collective organizations of manufacturers and importers of electrical and electronic equipment for the collection and recycling of electrical and electronic waste. WEEE Forum currently associates 41 collective organizations from 22 European countries. WEEE Forum membership enables its members to exchange experience and information relating to individual national systems with the aim of finding effective solution to collection and recycling of electrical and electronic waste and protection of environment in Pan-European context.



CENA ODPAĎOVÉHO HOSPODÁRSTVA  
VÍTAZ KATEGÓRIE  
KOMUNÁLNE ODPAĎOVÉ HOSPODÁRSTVO



## Foreword by the General Director



Number of Slovaks who dispose of waste electrical and electronic equipment in environmentally friendly way is growing.

Environmental care should be obvious for all of us. The faster we live and the more we consume, the more waste we produce and it depends only on us how we treat it.

It applies especially to waste which is recyclable, or waste which contains harmful substances.

An important event in February 2011 was **recycling of half a millionth refrigerator**. It is mainly refrigerators and freezers which are among electrical and electronic waste which has most adverse effect on the environment. Therefore, we have focused on them from the beginning of our activities. The press conference which we organized at this occasion allowed us again to spread the idea of necessity to collect and recycle electrical and electronic waste and to inform public about the issue regarding disruption of ozone layer by freons. They can be released from old refrigerators and freezers (manufactured before 1996) if they are not collected, but go to garbage dumps, or common municipal waste, or if this type of waste is not processed in a proper way.

Our practical experience shows that it is always the cooling equipment containing freons which is being collected. Since we pay special attention to this type of electronic waste, we contribute significantly to the protection of environment. The fact that it is the right strategy is also confirmed by adoption of a new European Directive (in January 2012) which stipulates that it is necessary to tighten up targets and conditions for collection of this group of electronic equipment.

Another milestone in 2011 was the fact that we succeeded in convincing the Ministry of Environment of SR to assume the role of continuous data monitoring and evaluation concerning WEEE, even though it is not yet stipulated by the law (in our view it should be that way). We consider it to be, however, a basic condition for ensuring collection within the whole Slovakia. Ministry of Environment of SR as a central body of state administration is ultimately responsible for meeting targets in the field of collection and recovery of WEEE for the whole SR.

Pursuant to current legislation, manufacturers and importers have a common collection target which is defined – to collect **at minimum 4 kg** of WEEE per citizen and year and at the same time to refinance recovery of all WEEE which is demonstrably generated in the territory of SR. Each manufacturer should thereby finance **at minimum** such WEEE amount which is determined by its market share.

According to MoE SR data ENVIDOM collected for “its” manufacturers in categories large and small household appliances in total **at minimum 10 719 tons** in 2011.

We have collected as many as **11 734 tons of WEEE** which means that we fulfilled and, even exceeded minimum collection targets stipulated by law. We achieved exceeding of minimum limit mainly in the category cooling devices with continuing high amount of WEEE and the law stipulates that we have to collect and finance not only minimum amount, but all WEEE which is demonstrably generated and to participate on financing of its collection and processing according to individual market shares. In this category we collected approximately **1 115 tons of WEEE more** than the minimum target stipulated by the law.

Our results show that we are successful in our activities and at the same time, what makes us particularly pleased, is that consumers are aware of importance of collection and recycling of this group of the appliances.

In 2011 we also continued our activities in the endeavour to face the issue of so called “free-riders” – manufacturers and importers of EEE who take advantage of shortcomings in the current legislation and avoid their responsibilities related to the collection and recycling of WEEE. We are trying to prevent existence of such entities, since they discriminate serious manufacturers and importers who duly fulfil their obligations. We continue our active communication with lawmakers and prepare draft laws which would tighten inspections of free-riders and sanction them. We believe that adoption of new European Directive which tries to solve this problem will help us in this area, since it concerns manufacturers and distributors operating not only in the Slovak market, but also in other EU member states.

After two-year break we carried out again an exclusive survey of Slovak households and WEEE in 2011. We were pleased by its results which say that number of Slovaks, who dispose of WEEE in the correct way, increased. **More than half of respondents (51 %)** stated that they would return their old appliance to the retailer, collection site, or during mobile collections organized in municipality. **This is 5 % more** than in 2009 and even **21 % more** than in 2006. Survey results, thus, show that we are on the right track to make sure that WEEE separation becomes a natural part of lives of Slovak consumers. We believe that activities that we conduct including practical collection and environmental education and trust of our participants, contributed to these results. Therefore, we appreciate support of these companies which are as mandatory persons the sole entities responsible for correct disposal of WEEE from households.

**Peter Valent**  
General Director of ENVIDOM association



## About ENVIDOM

ENVIDOM is an Association of EEE manufacturers for recycling that was founded on the March 15 by initiative of ten major manufacturers and importers of household appliances operating in Slovakia.

Envidom operates as a non-profit organization of legal entities, for the purpose of creating and managing a collective system for the collection and recycling of waste represented by large and small household appliances. ENVIDOM assumes responsibility for the following legal obligations by manufacturers and importers of household appliances under the Waste Act:

- registration at the Ministry of Environment of the Slovak Republic (MoE SR)
- regular reporting to MoE SR regarding the amount of electrical and electronic equipment (EEE) placed on the market and the amount of recycled and recovered waste electrical and electronic equipment (WEEE)
- fulfilling financial and organizational conditions of delegated obligations of collective organization participants in the field of WEEE:
  - take-back and separate collection of WEEE from households
  - logistics, processing, recycling and reclamation of WEEE
  - safe disposal of hazardous substances via authorized recyclers
- meeting of collection targets and recycling and recovery limits

### Principles of the ENVIDOM collective organization

The following are ENVIDOM's basic principles of operation:

- **non-profitability**
- **to guarantee financing and collection** of all identifiable WEEE
- **developing cooperation with municipalities**, as well as other collective organizations, regarding WEEE
- **transparency of financial and material flows** – direct financing and control of WEEE, its transportation and treatment
- **efficiency and quality** – ENVIDOM does its best to ensure that the process of WEE collection and recycling is carried out at highest quality and, at the same time, minimises the financial burden on system participants
- **communication** – ENVIDOM promotes environmental education in which it informs consumers about need to recycle WEEE and the possibilities of its collection
- **protection** of consumer and organization participants' interests



## Position of the ENVIDOM collective organization on the WEEE market

In 2011, the ENVIDOM collective organization had 91 direct participants and other indirect participants registered via manufacturers with offices outside the Slovak Republic, with a significant market share in both EEE categories.

In 2011, there were 17 collective organizations providing collection and recycling in Slovakia. As of the closing date of ENVIDOM activity report for 2011, no official data was available on total amount of collected WEEE for 2011 included into categories 1 to 7, or on total amount of products in these categories placed on the market in 2011. We only have data available for market placements for 2010 based on which MoE SR calculated market shares of ENVIDOM and other collective organizations and determined our minimum collection targets for 2011.

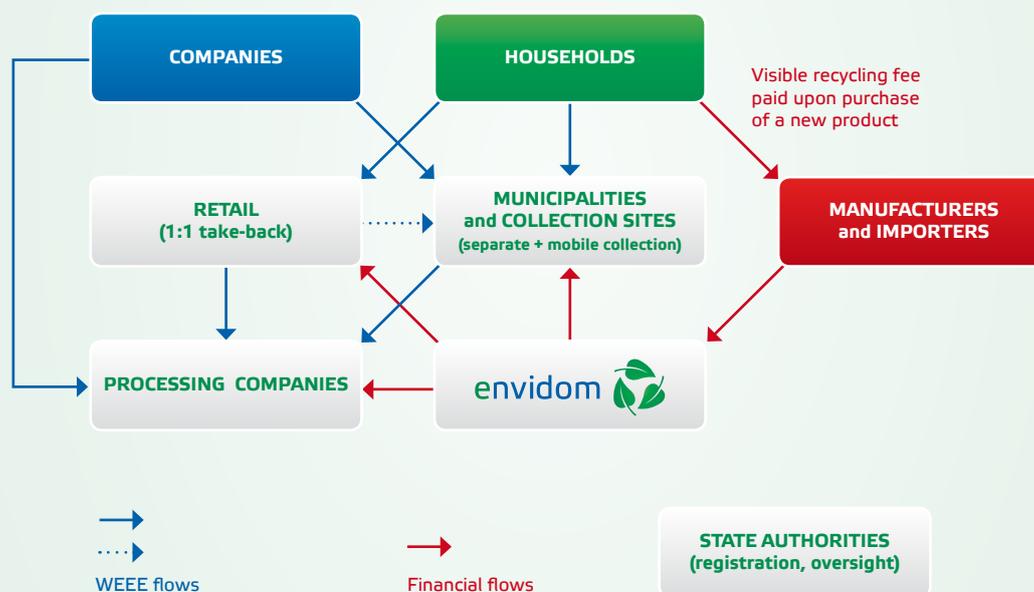
According to data of MoE SR on total amount of products placed on the market (sold) in 2010 and according to number of products which ENVIDOM participants placed on the market in 2011, we

estimate that ENVIDOM continues to achieve a majority market share (about 80 %) in large household appliances and about half of overall market in small household appliances.

MoE SR data also determined that it was necessary to collect at least **21 724 tons** of WEEE in Slovakia in 2011 in categories 1 to 7 which will ensure that Slovakia meets its collection target in accordance with European directives – to collect at minimum 4 kg/citizen.

In 2011 ENVIDOM collected and ensured processing of **11 724 tonnes of WEEE categories 1 and 2** which is **54 % of the minimum collection target of the whole Slovak Republic**.

### System of collection, recycling and financing in the ENVIDOM collective organisation



## Financing

ENVIDOM uses a **visible recycling fee** to finance collection, logistics and recycling of so-called historic waste from large household appliances (all organizations currently operating on the market are responsible for the collection and recycling of waste from products placed on the market prior to 13 August 2005 based on their market share). The recycling fee is set so as to enable a smooth functioning of the system without unnecessary increase of the prices of electrical appliances.

ENVIDOM continues to evaluate recycling fees during the whole year based on expected collection figures and transportation and processing costs, as well as the current and expected sales of electrical appliances. A positive development in the sale of electrical appliances along with lowering of processing prices **allowed us to decrease recycling fees** from April 2011. We introduce new fee categories in the price list for **small refrigerators and freezers** which had been categorized under refrigerators and freezers and for **microwave ovens** which had originally been included in the group large household appliances. The introduction of new fee categories will enable us to follow and compare development of their sales in more detail and to compare these data with WEEE figures and, based on these findings, to set recycling fees more accurately.

According to current Slovak and EU legislation, it is possible for large household appliances to display recycling fees on documents accompanying every sale of electrical equipment to a third party. This possibility will remain in place until 13 February 2013.

Pursuant to law, this possibility ceased to apply to the small household appliances and electrical and electronic equipment category on 13 February 2011. Therefore, these fees are not shown in sales documents under the law, that means, they are not "visible" recycling fees. For this reason, these fees are no longer included in ENVIDOM Annual Activity Report, or in other public documents including ENVIDOM website.

**It is, however, necessary to continue to ensure WEEE collection and processing from this group of EEE.** ENVIDOM participants therefore continue to pay to ENVIDOM **fees for recovery of WEEE for small household appliances and electric and electronic equipments** through which we finance and carry out collection and recycling of WEEE from this category.

The so-called new waste coming from products placed on the market after 13 August 2005 cannot be under the applicable laws financed via visible recycling fees, or fees for WEEE recovery. Due to this reason, the ENVIDOM currently uses an ongoing financing scheme based on statistical estimates of percentage share of all products placed on the market in a given year which defines what percentage of new products shall become WEEE in the first year and over the following years of product life. Based on the WEEE structure analysis implemented by ENVIDOM in 2011, it is not necessary to increase recycling fees for 2012 (the % remains the same as in 2011).

Recycling fees valid from 1 January until 31 March 2011	1. 1. - 31. 3. 2011 (in € incl. DPH/pc placed on the market)	1. 1. - 31. 3. 2011 calculated per kilogram (in € excl. VAT/ kg placed on the market)*
Refrigerators, freezers	22.19 €	0.32 €
Cooling cabinets with fan cooling	7.06 €	0.26 €
Other large household appliances (washing machines, dishwashers, driers, cooking stoves, microwave ovens....)	6.05 €	0.13 €
Other large household appliances (centrifuges up to 10 kg, cooker hoods up to 10 kg, small cooking ranges up to 10 kg)	1.01 €	0.14 €
Vacuum cleaners	0.41 €	0.06 €
Other small household appliances (mixers, irons, hairdryers, coffee-makers, ...)	0.20 €	0.09 €
Electric and electronic tools	0.20 €	0.05 €

Recycling fees valid from 1 April 2011 until 31 December 2011 for category 1 – Large household appliances	1. 4. - 31. 12. 2011 (in € incl. VAT/pc placed on the market)	1. 4. - 31. 12. 2011 calculated per kilogram (in € excl. VAT/kg placed on the market)*
Refrigerators, freezers	20.40 €	0.28 €
Small refrigerators, freezers and household cooling cabinets with external dimensions up to 900x650x650 mm	10.80 €	0.28 €
Other large household appliances ** (washing machines, dishwashers, cooking stoves,...)	5.40 €	0.10 €
Microwave ovens	1.62 €	0.09 €
Other large household appliances (up to 10 kg, dual hot plates, ...)	1.01 €	0.13 €

\* Calculated based on average weight of EEE placed on the market

\*\* Category Other large household appliances also includes small compressor-free cooling devices with semi-conductor cooling

**Supplementary information on circumstances which occurred after 31 December 2011**

The most significant cost item of collection and recycling is price for WEEE processing. For 2012 we succeeded in achieving more favourable prices for WEEE processing from EEE in category 1 – Large household appliances.

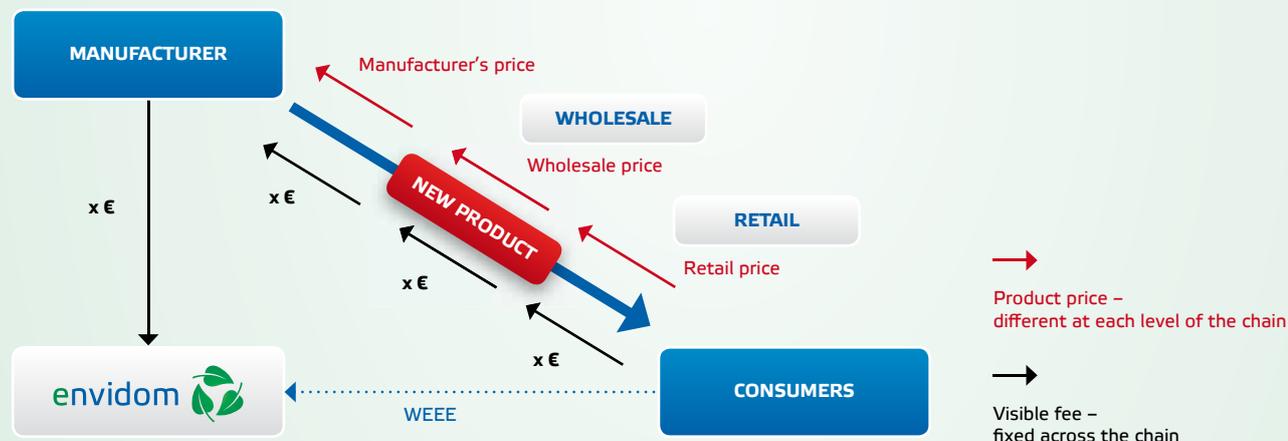
**Therefore, from 1st January 2012 we decreased recycling fees for products in this category.** Only microwave ovens remained at the original level (€ 1,62 incl. DPH).

Recycling fees valid from 1 January 2012 for category 1 –Large household appliances	As of 1 January 2012 (in € incl. VAT / pc placed on the market)	As of 1 January 2012 calculated per kilogram (in € excl. VAT/ kg placed on the market)*
Refrigerators, freezers	18.00 €	0.24 €
Small refrigerators, freezers and household cooling cabinets with external dimensions up to 900x650x650 mm	9.48 €	0.25 €
Other large household appliances **	5.04 €	0.10 €
Microwave ovens	1.62 €	0.09 €
Other large household appliances (up to 10 kg, dual hot plates, ...)	0.90 €	0.12 €

\* Calculated based on average weight of EEE placed on the market

\*\* Category Other large household appliances also includes small compressor-free cooling devices with semi-conductor cooling

**Flow of recycling fees**





## Collection, logistics and processing

ENVIDOM was founded in 2005 with the aim of creating and administering an effective and sustainable system for the collection and recycling of household appliances, which would quickly, effectively and simply deal with the issue of WEEE disposal throughout the Slovak Republic. For the system to function, three operational activities need to be ensured – WEEE collection, logistics and processing.

### Collection

Involvement of the general public is a basic prerequisite for a successful WEEE collection system. ENVIDOM wants to create conditions for the simplest possible system for returning old appliances. This means that today consumers can choose from several environmentally friendly WEEE options:

👉 take-back   👉 separate collection   👉 mobile collection

#### Take-back

This type of collection by retailers is becoming more and more popular among consumers which is proven by results of the survey Slovak consumer and WEEE which we conducted in 2011.

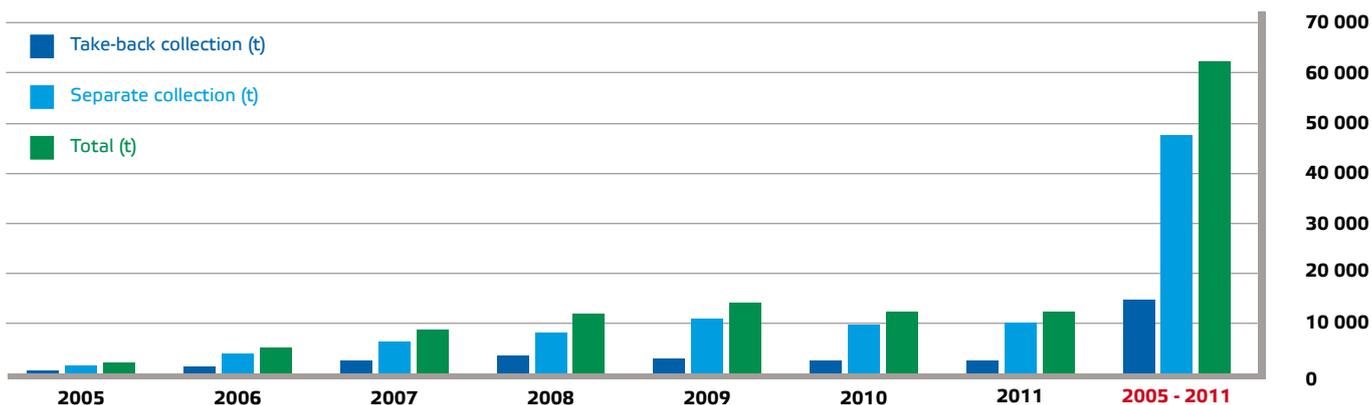
**2 % more respondents compared to 2009 and as much as 10 % respondents compared to 2006 stated that they used this environmental way of WEEE disposal.**

ENVIDOM developed this system in the time when retailers were not obliged under the law (until November 2009) to carry out take-back as a piece-for-piece system. In 2006, ENVIDOM was awarded a waste management award **Golden Ant 2006** in the category Communal Waste Management for this system. Many retailers not only provide their customers with an opportunity to bring in and dispose of their appliance free of charge upon purchase of a new appliance, but they also offer the possibility of collecting the old appliance with the delivery of the new one. New European Directive adopted in January 2012 contains also other proposals which will support building of this type of collection.

**The appliances which people hand over to retailers or service points are usually in excellent conditions in terms of their completeness.** It is also underscored by the fact that under the law the retailer has the right to reject acceptance of such appliance which is incomplete, has missing parts, is dismantled or damaged in another way and which could jeopardize health and safety of personnel, or environment. Completeness of obsolete appliances allows higher degree of recycling, lower costs for processing and at the same time higher protection of environment. It is also important in case of old refrigerators and freezers to prevent release of freons into the air. **Therefore, we are pleased that we collect as many as half of the total amount of collected refrigerators and freezers via retailers and service points which ranks us among top positions in the EU.**

Participating in take-back collection is simple for a retailer. The retailer can register on [www.envidom.sk](http://www.envidom.sk). ENVIDOM will provide a password to enter the system to request the collection of collected WEEE by ENVIDOM. ENVIDOM will ensure the collection and transportation of these appliances to the processing location within three days. ENVIDOM does not impose any restrictions on retailers, with collections being organised for as few as five appliances. Finally, the retailer invoices ENVIDOM for the collected appliances and is financially rewarded for the collected appliances to cover collection-related costs.

## Development of take-back and separate collection in the period 2005 to 2011 in tonnes



Year	2005	2006	2007	2008	2009	2010	2011	Total 2005 - 2011
Take-back collection (t)	314	862	2 162	3 352	2 777	2 269	2 294	14 030
Separate collection (t)	1 412	3 702	5 851	7 838	10 572	9 486	9 440	48 095
<b>Total (t)</b>	<b>1 726</b>	<b>4 564</b>	<b>8 013</b>	<b>11 190</b>	<b>13 349</b>	<b>11 755</b>	<b>11 734</b>	<b>62 125</b>

## Separate collection

ENVIDOM works towards participation, coordination and development of a separate collection system by means of collection sites and municipalities, as well as collection companies throughout the Slovak Republic. From the very beginning, ENVIDOM has guaranteed the collection of all collected WEEE from its contracted partners and municipalities, regardless of set targets. Separate collection is carried out by waste collection companies directly in individual municipalities through regular scheduled collections or special collection events. WEEE can also be returned at collection sites if such a facility is available in a given municipality. **Separate collection is the most important means of collecting old electrical and electronic equipment, representing around 80 % of all ENVIDOM (in kg) collections.**

ENVIDOM cooperates directly or indirectly with almost all waste collection companies which offer separate collection services in municipalities and operate several collection sites. Waste collection companies usually operate on a regional basis and their activities ensure that ENVIDOM covers almost the whole of Slovakia. Our most prominent supra-regional partners providing separate collection services are ASA, Marius Pedersen, Detox, Metal Servis Recycling and Fura. We also cooperate with many regional waste collection companies, including Aneo, Vepos, OLO, Schwarz-Eko, various municipal associations and others. ENVIDOM also offers WEEE collection services directly to municipalities.

Disposal of illegal WEEE landfill Bratislava, Nové Mesto district (June 2011), which contained a number of old refrigerators and freezers in very bad condition. *„I am glad that we contributed in this way to protection of environment. If old appliances end up at illegal landfill, as it happened in this case, due to weather, or mechanical damage, hazardous substances may be released from them which will pollute the environment. In case of damage of old refrigerators manufactured prior to 1996 freons may be released into the air which damages the ozone layer”,* said Mayor of Nové Mesto, district in Bratislava who appreciated our work and evaluated positively special mobile WEEE collections “by phone” which ENVIDOM organizes in this part of Bratislava.

## Mobile collection

Alongside permanent collection sites and scheduled collection events, ENVIDOM, in cooperation with various partners, also organises mobile collections directly in municipalities. The municipality identifies specific locations to serve as temporary collection sites (e.g. a container or a truck) where residents can take their WEEE, and where we collect it and transport it for recycling free of charge. With some municipalities we organize special mobile collections directly from households. In several Košice and Bratislava districts, we again organised special mobile collection directly from homes based on requests by citizens for the collection of WEEE, so-called mobile collection “via the phone”. The aim was to help these districts solve the shortage of space for temporary high-volume containers, often utilised by other districts. To take advantage of these mobile collections, residents contact their local council by phone or e-mail and inform them about the amount and type of old electrical appliances they wish to dispose of. On the day of the collection they leave the appliances by the entrance to their residential building or in front of their house and ensure our staff can access them during the day and to load them onto a vehicle.



**Number of EEE items in various product categories placed on the market and collected by ENVIDOM over the years 2005 to 2011**

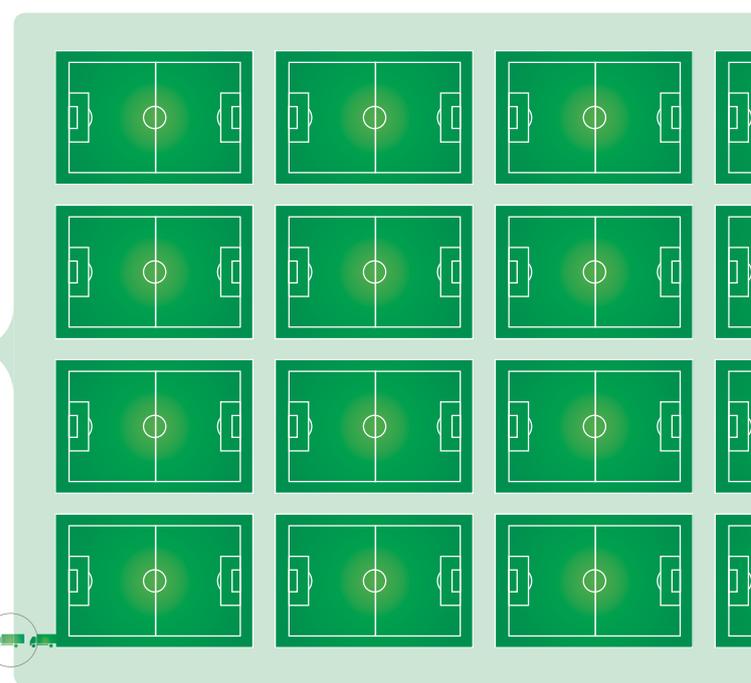
Year	Placement on the market, Collection (pc)	Refrigerators, freezers	Other large household appliances	Vacuums cleaners	Other small household appliances	TOTAL
2005	Placement on the market 2004	161 530	355 699	114 394	960 952	1 592 575
	Collection	1 258	36 246	9 987	39 381	86 872
	% of products placed on the market	0.8 %	10.2 %	8.7 %	4.1 %	5.5 %
2006	Placement on the market 2005	147 821	328 358	117 838	865 013	1 459 030
	Collection	31 808	70 040	27 480	106 380	235 708
	% of products placed on the market	21.5 %	21.3 %	23.3 %	12.3 %	16.2 %
2007	Placement on the market 2006	143 809	387 055	142 864	961 067	1 634 795
	Collection	93 954	81 800	44 748	175 120	395 622
	% of products placed on the market	65.3 %	21.1 %	31.3 %	18.2 %	24.2 %
2008	Placement on the market 2007	170 297	451 813	158 373	1 094 956	1 875 439
	Collection	117 436	124 267	73 891	265 828	581 422
	% of products placed on the market	69.0 %	27.5 %	46.7 %	24.3 %	31.0 %
2009	Placement on the market 2008	177 633	500 213	144 251	813 170	1 635 267
	Collection	137 733	144 771	77 747	291 552	651 803
	% of products placed on the market	77.5 %	28.9 %	53.9 %	35.9 %	39.9 %
2010	Placement on the market 2009	129 212	351 529	118 131	691 969	1 290 841
	Collection	115 262	130 617	57 031	341 907	644 817
	% of products placed on the market	89.2 %	37.2 %	48.3 %	49.4 %	50.0 %
2011	Placement on the market 2010	132 205	419 353	185 627	879 205	1 616 390
	Collection	97 319	168 973	64 304	324 640	655 236
	% of products placed on the market	73.6 %	40.3 %	34.6 %	36.9 %	40.5 %
Total 2005 through 2011	Placement on the market	1 062 667	2 794 020	981 478	6 266 332	11 104 497
	Collection	594 770	756 714	355 188	1 544 808	3 251 480

**Do you know?**

From the start of its activities ENVIDOM **collected and ensured processing of as many as 62 125 tonnes** of WEEE. This amount would fill **8 875 trucks** (size 12 x 2,5 m) with the average load of 7 tonnes of small and large household appliances.

**This number of trucks would take up an area of 266 250 m<sup>2</sup>, that is 26.7 hectares. It is an area of:**

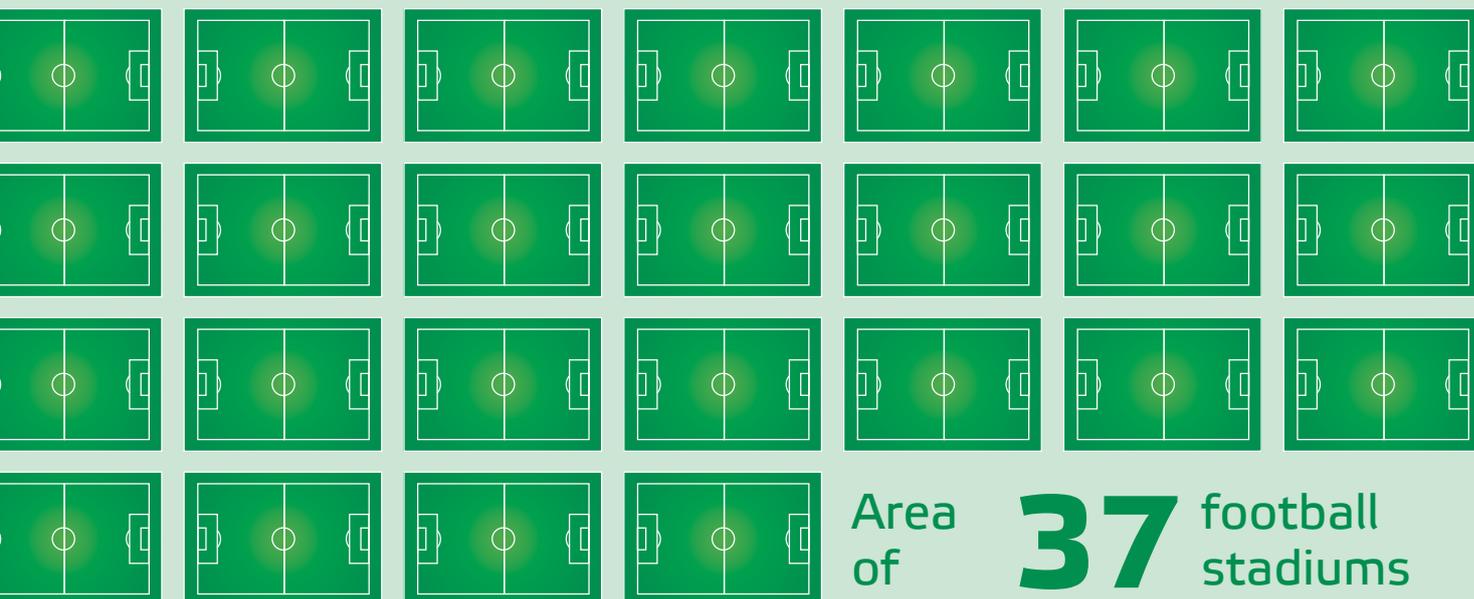
- 🌳 recreational facility in Patince
- 🏟️ 37 football stadiums (standard field of stadium is 105 x 68 m)
- 🌊 almost 5 areas of Štrkovecké jazero (Štrkovecké lake) in Bratislava (the lake covers an area of 5,6 ha)



## Logistics and processing

Our contracted transportation companies transport WEEE from collection sites to processing and recycling organisations based on orders placed by ENVIDOM. The transportation is managed via our website, which enables ENVIDOM staff to track notifications of WEEE by individual retailers, or collection sites and they organise the transportation of the notified WEEE from respective retailers or collection sites to waste processing company by external transportation company on their basis within three days on the basis of order. ENVIDOM supervises the efficiency of the entire scheme, transportation times and secure handling of old appliances. ENVIDOM finances all costs related to recycling, recovery and environmentally friendly disposal of WEEE for waste processing companies. Waste processing companies obtain reusable materials from processed WEEE which they can sell to other companies for production of various products.

ENVIDOM cooperates with almost all authorised waste collection, transportation and recycling companies in Slovakia. A criterion for cooperation includes high quality services and safe processing and recycling technologies. Therefore, ENVIDOM cooperates only with authorized collection, transportation and recycling companies. They are chosen based on their experience, efficiency and affordability, so that principles of environmental protection are adhered to (EU operational standards developed in cooperation with the WEEE Forum organisation) and compliance with recovery and recycling targets is guaranteed. The transparency of material flows is ensured by transparent monitoring of the entire process of collection, transport and recycling, as well as by regular environmental auditing of processing organisations.



# We have recycled half a millionth refrigerator!

# 500,000



**In February 2011 we collected and ensured processing of half a millionth refrigerator.** This figure means, among others, that during 5-year operation of ENVIDOM a refrigerator from every fourth Slovak household was ecologically processed (*Source: Statistical office of SR: According to census of population, houses and flats in 2001 there were 2.071 mln. households in Slovakia.*)

This event provided us a good platform for communication with media. At a press conference we presented not only our results in collection and recycling, but also practical demonstrations how a refrigerator is processed to ensure there is no release of freons and what materials can be obtained. Outputs from press conference were broadcast in main news by all major TV channels. It shows that environment-related topics are necessary and subject of interest of wider public. We had, thus, again an opportunity to educate general and expert public in the field of WEEE treatment and to communicate activities of mandatory persons in this field in a positive way.

## Number of refrigerators and freezers collected by ENVIDOM



Year	Number of refrigerators and freezers placed on the market by ENVIDOM participants	Number of refrigerators and freezers collected by ENVIDOM	% of products placed on the market in given year
<b>2009</b>	129 212	137 733	106.59 %
<b>2010</b>	132 205	115 262	87.18 %
<b>2011</b>	129 537	97 319	75.13 %

*In past years we have registered a high share of collected refrigerators and freezers compared to the number of items which are sold in the given year (placed to the market). In 2009 we even collected more refrigerators (106.59 %) than number of refrigerators sold by our participants in that year. This ratio was 87,18 % in items in 2010 and in 2011 we collected three quarters from the amount of sold refrigerators in pieces, which is still a very high figure also in comparison with EU average. Lower number of refrigerators and freezers collected by ENVIDOM is caused by decrease in sale and, thus, lower amount of refrigerators disposed by consumers and also by entry of new collective organizations which participate on a collection of this category.*

**„We spent more than EUR 13 million for collection and recycling of refrigerators and freezers until the end of 2011!“**

## Costs incurred by ENVIDOM from start of its activity for collection and processing of refrigerators, in €

	2005	2006	2007	2008	2009	2010	2011	TOTAL
<b>Collection</b>	9 774	122 641	260 418	496 767	609 133	439 833	420 807	<b>2 359 373</b>
<b>Logistics</b>	32 536	246 246	399 942	465 728	558 341	503 957	487 222	<b>2 693 972</b>
<b>Processing</b>	27 837	576 224	1 764 481	1 804 244	1 373 883	1 556 530	895 797	<b>7 998 996</b>
<b>TOTAL</b>	<b>70 147</b>	<b>945 111</b>	<b>2 424 841</b>	<b>2 766 739</b>	<b>2 541 357</b>	<b>2 500 320</b>	<b>1 803 826</b>	<b>13 052 341</b>

A refrigerator manufactured prior to 1996 contains 400 grams of freons on average. This amount of freons has on ambient air the same effect as 4 tons of carbon dioxide. If a refrigerator is dismantled in an unprofessional way, freons may be released into ambient air and damage ozone layer. Freons released from one refrigerator causes the same damage on ambient air like travelling 20 000 km by car.



Picture from children at Primary school in Košice which they did as part of the project Sme at school.

By recycling half a million of old refrigerators and freezers we prevented release of approximately 200 tons of freons into the air. This amount of freons would cause such damage as damage caused by 2 million tons of CO<sub>2</sub>. This amount of carbon dioxide corresponds to emissions of half a million passenger cars while each would travel 20 000 km.

## The following can be recovered from a refrigerator weighing approximately 50 kg:



**26 kg of steel,**  
which is used e.g. in the construction of building structures e.g. scaffolding, stairs, beam supports, ...



**6 kg - 10 kg of plastics,**  
which are used to produce various products utilized for example in construction.



**5 kg of polyurethane dust,**  
which is added to materials used for insulating buildings.



**1.7 kg of aluminium,**  
which can be used to make garden furniture.



**0.7 kg of copper,**  
which is widely used in electrical engineering, machinery, or construction.

### Did you know that?

- ✔ As much as 40 % of overall common consumption of copper is currently covered by copper obtained in recycling process.
- ✔ No other metal is recycled as intensively as copper, while generating such a minimum waste.
- ✔ Amounts of copper which will be available in the future are determined to a large extent by the ability to recycle it.
- ✔ A decisive advantage during recycling of copper is its recovery without quality loss.

### Age of collected appliances

Refrigerators and stoves are the oldest appliances being collected. According to survey which we conducted in 2011, the average "life expectancy" of refrigerator is 14 years.

We regularly audit processing companies, where we also monitor the conditions of collected refrigerators and freezers. From 2008 we audited 10 test samples, with each sample consisting of approximately 400 randomly selected collected refrigerators. These samples contained 0 to 0.7 % new refrigerators (manufactured after 2005).

The average wage of refrigerators in the samples was 25 years. **Our practical waste collection experience also confirms that most of the refrigerators being collected contain freons.** By disposing of them in an environmentally friendly way we prevent release of freons into the air and thereby contribute to environmental protection. We explain the difference between the age of old refrigerators given in the survey and the age of refrigerators which occur in real collection that people keep their appliance for a number of additional years e.g. in their cottages, or donate it to someone else before it finally ends up in the collection site.

Source: Slovak households and WEEE 2011. Survey for ENVIDOM carried out by United Consultants in cooperation with Focus agency.

### How old were your household electrical appliances which you disposed of last year? (in years)

Category	2011	2009	2006
Electrical stove, oven	14.31	14.97	17.75
Refrigerator	13.92	15.93	14.93
Electric radiator	13.66	13.19	12.78
Washing machine	12.40	12.84	13.63
TV set	11.73	12.83	11.95
Other electrical appliance	10.58	8.17	9.56
Small household appliance	6.95	6.49	6.07
Computer	6.92	7.04	5.48
Electric tools	6.41	7.47	8.4
Lighting equipment, lamps	5.99	10.33	9.76
Electric toys	5.93	5.08	3.84
Mobile phone	3.44	3.13	2.74

# Environmental education

Environmental education of children and adults contributes significantly to effectiveness of WEEE collection and recycling and environmental protection. It is a long process and only the long-term education from childhood can bring positive results to ensure that waste separation becomes a natural part of citizens' lives.

## More and more Slovaks dispose of WEEE in environmentally friendly manner

In 2011 we repeated an exclusive consumer survey entitled "Slovak households and WEEE" which we conducted this time in cooperation with Ekolamp Slovakia association. According to this survey **the number of consumers who dispose of WEEE in correct manner increased again.**

**As many as 51 % of respondents** stated that they returned old appliances to the retailer, collection site or during collection mobile

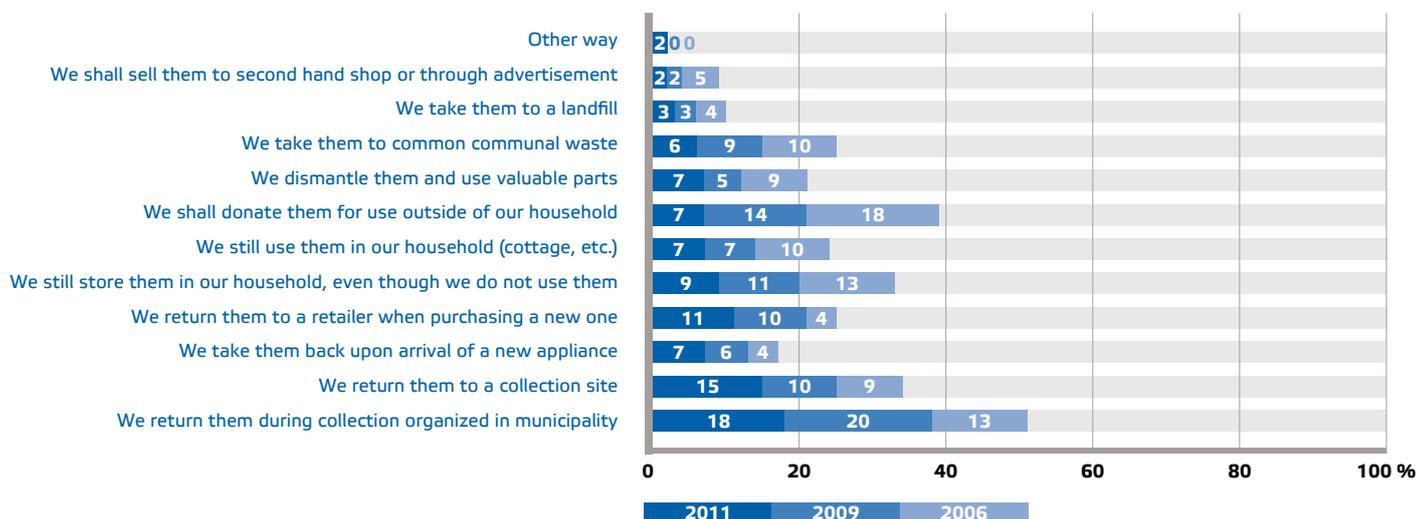
event organized in the municipality. **That is 5 % more than in 2009 and as much as 21 % more than in 2006.**

It is also a positive fact that number of people who dispose of their appliances in environmentally improper way is decreasing. **The number of respondents who dismantle their appliances, dispose of them in landfills or municipal waste decreased by 1 % in comparison with 2009 and as much as 7 % in comparison with 2006.**

## What is the most frequent way of disposal of excluded WEEE?

(only one answer possible, % of respondents)

	2011	2009	2006
We return them during collection organized in municipality	18	20	13
We return them to a collection site	15	10	9
We take them back upon arrival of a new appliance	7	6	4
We return them to a retailer when purchasing a new one	11	10	4
<b>Total % of respondents who dispose of WEEE in a correct way</b>	<b>51</b>	<b>46</b>	<b>30</b>
of which % of respondents who use retailers	18	16	8
of which % respondents who use separate collection	33	30	22
We dismantle them and use valuable parts	7	5	9
We take them to common communal waste	6	9	10
We take them to a landfill	3	3	4
<b>Total % of respondents who dispose of WEEE in a wrong way</b>	<b>16</b>	<b>17</b>	<b>23</b>
We still store them in our household, even though we do not use them	9	11	13
We still use them in our household (cottage, etc.)	7	7	10
We shall donate them for use outside of our household	7	14	18
We shall sell them to second hand shop or through advertisement	2	2	5
Other way	2	0	0
<b>Other respondents who keep, donate, or sell obsolete appliances</b>	<b>27</b>	<b>34</b>	<b>46</b>

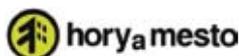


## ENVIDOM on festivals

“Pohoda”, as the largest Slovak open-air festival is a very appropriate place to spread environmental education thanks to its diversity and openness towards new ideas. About 30 000 people from different parts of Slovakia come to the festival every year. The visitors also include many families with children for which various entertainment and educational activities are prepared within children’s park. For these reasons, ENVIDOM decided to enrich children’s park during festival days (7 - 9 July 2011) in Pohoda. Visitors from among children could learn as part of drawing activity on appliances that an old appliance deserves a dignified farewell and does not belong to a common container bin, but to a collection site.



We traditionally organized the event Draw with ENVIDOM in 2011 also during festival of mountain films Hory a mesto (Mountains and Towns) which took the place from from 6 to 10 April 2011. This popular and widely visited festival promotes attractive sports and mountain hiking among city youth and adults and motivates them to spend leisure time in a meaningful way and to overcome personal



limits. The main idea of the festival is to bring mountains to people in the city. Thus, festival visitors continuously hear about the idea of environmental protection which is in line with our activity. Therefore, it was the fourth time that ENVIDOM became a partner of this event. Children who came to see films at this festival, as well as children who visited the venue where festival took place (shopping centre Aupark in Bratislava), could draw on small and large appliances during festival days. In this way we reminded the public of the need to recycle also small appliances which usually still end up in container bins.

## Thousands ninth-graders know what to do with them

In 2011 we got involved in the “SME in school” project which is organized by daily SME as we did in 2010. It is designed for pupils in their 9th year of primary schools. The topic of the project was again environment of organisms and humans. ENVIDOM participated in the project as last year, jointly with the association ENVI-PAK and EKOLAMP association joined the project this year. As part of their biology classes, under the supervision of their teachers, pupils focused on waste collection and recycling of communal waste, including electrical and electronic waste. A part of the project was a special workbook drafted by teachers in cooperation with all three associations. All pupils involved received the workbook



which served as a teaching aid. Apart from expert texts, the workbook also contained various interactive tasks which required pupils to search for information also on web pages of associations of manufacturers. This project allowed to present interesting information to pupils concerning need of waste separation directly during the teaching process. **As many as 3 555 ninth grade pupils from 86 schools** all over Slovakia participated in the project. *„The workbook and daily SME enriched extraordinarily the teaching process in participating classes. Together with our colleagues we focused on preparation of interesting and creative tasks for natural sciences, biology, ecology and creative arts lessons. Since the works also had artistic value, we dedicated one notice board in the main corridor in our school to this topic. We shall be pleased if our cooperation continues in the future”,* from the letter of a content teacher from primary school Opatovská in Košice who attached photos of the pupils works to the letter.

## Puppet theatre is appreciated by both children and adults

From 2009 an interactive ENVIDOM performance „We don’t belong in the landfill” tours Slovak kindergartens and leisure time centres. The refrigerator “Julka” who does not want to end up in the landfill has become a hero for thousands of Slovak children. The theatre performance was also seen by visitors of the festival “Mountains and Towns”. In cooperation with KOSIT foundation we dedicated this performance to more than 300 children from primary schools in Košice in May 2011 who visited Environmental Education Centre in Kokšov-Bakša throughout 2010/2011.



*The puppet theatre was echoed positively not only among children, but also among many adults. „When climbing in our category was over, we were packing our stuff. I noticed theatre actors unpacking their props and I stayed out of curiosity. Finally I saw the whole theatre performance and next day I brought my friends to see the performance too”,* confided one the participants at the competition climbing on the climbing wall within festival Mountains and Towns .

## PRO EKO exhibition

From 3rd of May until 6th of May 2011 we participated as exhibitors in the 7th ecological exhibition, PRO EKO in Banská Bystrica, together with other collective organizations. This specialized event focused on waste management allows to present activities of collective organizations to wide expert and laymen public.



# Legislation

Legislation has a significant impact on market development, since it influences overall position of manufacturers and importers towards other entities. The tasks of ENVIDOM to ensure a system of WEEE collection and recycling therefore brings along not only a management of waste and financial flow, but also active participation in preparation of respective laws. It is necessary to create more fair conditions for activity of mandatory persons which are the sole entities responsible for correct WEEE disposal.

## Free riders

One of the principal problems to be resolved in this field in the issue of so-called "free riders" – manufacturers and importers of (not only) electrical and electronic equipments who still avoid their responsibilities related to the collection and recycling of waste due to continuing shortcomings in legislation. Number of such unregistered market participants is growing mainly in the area of distant selling (Internet sales). These entities are mainly in the category internet shops which have their seat abroad, but they sell products in Slovak market. They breach or bypass laws because Slovak inspection bodies do not have sufficient competences to audit them and to impose sanctions on them for failure to meet their statutory obligations. The power of state authorities (SOI, SIŽP and others) to audit business entities applies only on the territory of Slovak Republic. Slovakia is, thus, unable to force these companies to comply with laws.

Free riders do not collect and reclaim WEEE and/or do not contribute to the system by recycling fees. It is done for them by serious manufacturers and importers who are discriminated in this way and must fulfil obligations also for such irresponsible entities. Free riders often use other possibilities to decrease prices of sold products including for instance higher VAT in surrounding countries, or insufficient inspection in international transport and sales within EU single market. Free riders can, thus, afford to offer their products for lower prices than serious companies fulfilling their obligations and in this way they decrease their competitiveness.

Except for VAT evasions and recycling fees, or competitiveness decrease of Slovak companies a problem which occurs concerns WEEE which will be generated from products sold by free riders. They will not pay for recycling and disposal of WEEE amounts generated in this way which will require high investments in the future.

The existence of free riders may be to the detriment of consumers. When they purchase a new product from such a retailer, they cannot return their old appliance for recycling. They will face other problems in case of possible claims. With regard to products purchased from foreign internet shops which are sold in Slovakia without official import, customer is not entitled to file a claim in authorized service. In case of purchase in foreign internet shops, sales process including claims procedures is governed in accordance with legislation valid in the country in which respective e-shop is registered. In case of problems customer has, thus, possibility to address only consumer centre in the respective country.



We have tried to deal with the operation of free riders on a long-term basis by preparing draft laws, mainly part on introducing sanctions and control mechanisms from the state to force all mandatory persons to finance and ensure WEEE collection. Since free riders often avoid VAT payment and income tax payment, we engage into the process ministries responsible for state economy and finance. In October 2011, ENVIDOM organized a press conference in cooperation with associations of EEE manufacturers and importers CECED Slovakia, ITAS and ADAT at which we called upon the government and respective ministries to adopt immediate and effective measures which will prevent unequal position of Slovak companies in comparison with companies seated abroad.

We established cooperation with Slovak Association for Electronic Commerce (SAEC) which certifies e-shops. The Certificate "Safe purchase" can be obtained by the e-shop which meets basic rules of safe and smooth purchase defined in certification rules. From 1 January 2012 SAEC included into certification process another certification criterion by which we find out whether a shop in the field of WEEE fulfils its statutory obligations with respect to the environment.

## Cooperation of collective organizations is necessary

The so-called "quality collection concept" was introduced into the law in 2009 which is fair for all collective organizations (CO) and in practice it means to collect and finance according to the respective market shares and also what is demonstrably generated "above fulfilment" of market share. According to this concept CO have a WEEE collection target to ensure that they collect for the whole SR at **minimum 4 kg** of WEEE per inhabitant per year



and at the same time to collect and finance recovery of all demonstrable WEEE which will be generated in the territory of SR. Each collective organization should re-finance such WEEE amount which is determined by its market share in respective EEE category. They are calculated from overall amount of EEE placed in the market in kg. In autumn 2011 we managed to convince Ministry of Environment of SR to assume the role to monitor data on collection and market placements from individual CO. This activity was carried out unofficially by Coordination WEEE centre (KC ELEKTROODPAD) until then. The issue related to reluctance of some CO to share data was, thus, removed, since the Ministry of Environment is an independent authority whose role is ongoing monitoring and inspection of collection target fulfilment and it should be also covered in the law. Ministry of Environment of SR calculated and determined for each collective organization so-called reference target, that means minimum WEEE amount (in kg), which the organization should collect and process in individual

categories. This minimum amount will ensure that CO collect at minimum 4 kg of WEEE per inhabitant together for the whole SR in the future in accordance with European directives. However, if WEEE is demonstrably exceeding this minimum amount, every CO is obliged to finance this „over limit“ according to the amount of their market shares.

We believe that CO cooperation and their positive results in WEEE collection will convince lawmakers that their activity makes sense and will ensure that Slovakia fulfils WEEE targets stipulated in European directives. They will continue to be a relevant partner of lawmakers in preparation of legislation and it will not be necessary to create models of (semi)state institutions which would again concentrate payments from mandatory persons, distribute money for reclamation of waste and manufacturers would, thus, have no control over the amount of recycling fees, or over their efficient use.

## Targets in 2012

Directive 2002/96/EC of the European Parliament and of the Council on waste electrical and electronic equipment (WEEE) was adopted on 19 January 2012. The Directive covers a number of areas, specifies and harmonizes conditions for registration of manufacturers, norms for WEEE collection and processing and other rules of the game which currently differ in individual member states. Differences in transposition of original European directive in individual member states had created large bureaucratic burden and increase of costs.

The new Directive should bring order also to the issue of „free riders“. This issue is a concern not only for Slovakia, but also for other European countries. According to this amendment every manufacturer or importer will have an obligation related to distant sale to nominate an authorized representative who will be responsible for meeting obligations of given manufacturer under the European Directive. This representative will be, thus, a responsible person in every country where products are placed to the market which will facilitate controllability of these entities. Member states have 18 months to transpose the Directive into their national legal orders after it is published in Official journal. It will have to be transposed in Slovakia to the new Waste Act which is still open.

In 2012, we shall therefore focus not only on fulfilment of targets in the field of collection and WEEE reclamation, but in cooperation with lawmakers we shall endeavour to prepare transparent and fair legislation and apply rules resulting from new European directive.

We believe that European Directive will help us create laws which will strengthen the current position of responsible mandatory persons and their collective organizations. In this relation we shall try to develop reasonable cooperation with important collective organizations in 2012 who have a serious interest in development of WEEE collection and recycling system.



## Collection targets, recycling limits and reclamations for 2011

The Waste Act stipulated an obligation for EEE manufacturers and importers to collect, recycle and recover collected WEEE amount

Manufacturers and importers are obliged to ensure sufficient recovery and recycling of collected amount. Recovery and recycling limit is set as the percentage share of average weight of collected EEE. This percentage determines what part of collected EEE shall

be reclaimed as energy and material (and only remaining part can be stored in landfill or incinerated).

### Targets in % (of the average weight in kg of the collected WEEE)

Category	Reclamation of electrical equipment	Reuse and recycling
1. Large household appliances	80	75
2. Small electrical appliances	70	50
3. Information technologies and telecommunications equipment	75	65
4. Consumer electronics	75	65
5. Lighting equipment	70	50
6. Electrical and electronic tools	70	50
7. Toys, sports and leisure equipment	70	50
8. Medical equipment	-	-
9. Devices for monitoring and control	70	50
10. Vending machines	80	75

## Collection targets, recycling limits and reclamations for 2011

According to data of Ministry of Environment SR ENVIDOM should have collected in total **at the minimum 10 719 tonnes of WEEE** in 2011 in categories large and small household appliances and EEE. This is so-called **"minimum collection target"** which results from market share of our participants in individual categories. **ENVIDOM collected 11 734 tonnes of WEEE** for 2011.

**Thus, we fulfilled, and at the same time exceeded minimum collection targets stipulated by law.** Exceeding of minimum limit is mainly caused by cooling equipments category where we collected **about 1 115 tonnes more** than what our minimum target determines for us. The law, however, prescribes us to collect and

finance all WEEE which is demonstrably generated according to the amount of its market shares. And it is mainly in this WEEE category which is most difficult for the environment where high waste occurrence still persists.

For 2011 ENVIDOM also ensured its participants fulfilment of recycling and recovery limits of all collected available amounts in necessary values and at the same time it ensured submitting of report for each participant individually within statutory deadline until 31st March to Ministry of Environment SR. **Recovery limits for WEEE which was collected by ENVIDOM were fulfilled in 2011.**

### Minimum collection targets determined by Ministry of Environment SR for the whole SR and for ENVIDOM on the basis of its market shares resulting from amounts of EEE placed on the market by its participants in 2010 and real ENVIDOM collection in 2011. (Categories 1,2 and 6)

	MINIMUM Collection TARGET 2011 determined by MoE SR to achieve target 4 kg/citizen (tonnes)	Share of minimum collection target in 2011 from overall market placement for previous year 2010 determined by MoE SR in percentage (equal % for all categories)	MINIMUM collection of ENVIDOM for 2011 determined by MoE SR based on ENVIDOM market share in respective categories (tonnes)	ENVIDOM - real collection in 2011 (tonnes)	ENVIDOM - share of real collection in 2011 on total amount of EEE (in tonnes) which were placed on the market by ENVIDOM participants for previous year 2010
<b>TOGETHER CATEGORIES: 1. LHA, 2. SHA, 6. EET</b>	<b>14 815</b>	<b>42.74 %</b>	<b>10 719</b>	<b>11 734</b>	<b>52.47 %</b>

### Recycling and recovery targets in 2011 achieved by ENVIDOM

Category	Amount placed on the market (t) 2010	Amount placed on the market (t) 2011	Compliance with collection targets (t) 2011	Recovery targets (%) 2011	Compliance with recovery targets (t) 2011	Compliance with recovery targets (%) 2011	R&R targets (%) 2011	Compliance with R&R targets (t) 2011	Compliance with R&R targets (%) 2011
1. LHA	22 345.9	21 738.5	10 753.8	80.0 %	9 658.8	89.8 %	75.0 %	9 646.6	89.7 %
2. SHA	2 731.5	2 237.2	976.1	70.0 %	856.7	87.8 %	50.0 %	842.4	86.3 %
6. EET	9.0	5.9	4.1	70.0 %	3.8	92.2 %	50.0 %	3.2	79.4 %
<b>Total</b>	<b>25 086.5</b>	<b>23 981.7</b>	<b>11 734.0</b>		<b>10 519.3</b>			<b>10 492.3</b>	

## Recycling and recovery targets in 2010 achieved by ENVIDOM

Category	Amount placed on the market (t) 2009	Amount placed on the market (t) 2010	Compliance with collection targets (t) 2010	Recovery targets (%) 2010	Compliance with recovery targets (t) 2010	Compliance with recovery targets (%) 2010	R&R targets (%) 2010	Compliance with R&R targets (t) 2010	Compliance with R&R targets (%) 2010
1. LHA	20 137.1	22 433.1	10 783.3	80.0%	9 402.5	87.5%	75.0%	9 372.2	87.2%
2. SHA	2 066.0	2 749.1	969.0	70.0%	821.6	86.8%	50.0%	810.7	85.7%
3. EET	4.6	10.5	2.5	70.0%	2.4	94.5%	50.0%	2.2	87.6%
<b>Total</b>	<b>22 207.8</b>	<b>25 192.7</b>	<b>11 754.8</b>		<b>10 226.5</b>			<b>10 185.2</b>	

## Recycling and recovery targets in 2009 achieved by ENVIDOM

Category	Amount placed on the market (t) 2008	Amount placed on the market (t) 2009	Compliance with collection targets (t) 2009	Recovery targets (%) 2009	Compliance with recovery targets (t) 2009	Compliance with recovery targets (%) 2009	R&R targets (%) 2009	Compliance with R&R targets (t) 2009	Compliance with R&R targets (%) 2009
1. LHA	28 285.2	20 119.0	12 376.5	80.0%	9 641.8	87.1%	75.0%	9 635.4	87.1%
2. SHA	2 349.9	2 006.6	971.8	70.0%	777.0	87.5%	50.0%	767.9	86.5%
3. EET	11.9	4.6	0.7	70.0%	0.6	94.0%	50.0%	0.6	84.6%
<b>Total</b>	<b>30 647.0</b>	<b>22 130.2</b>	<b>13 349.0</b>		<b>10 419.4</b>			<b>10 403.8</b>	

## Recycling and recovery targets in 2008 achieved by ENVIDOM

Category	Amount placed on the market (t) 2007	Amount placed on the market (t) 2008	Compliance with collection targets (t) 2008	Recovery targets (%) 2008	Compliance with recovery targets (t) 2008	Compliance with recovery targets (%) 2008	R&R targets (%) 2008	Compliance with R&R targets (t) 2008	Compliance with R&R targets (%) 2008
1. LHA	26 093.7	28 692.4	10 289.4	80.0%	8 941.5	86.9%	75.0%	8 900.4	86.5%
2. SHA	2 547.0	2 716.5	901.1	70.0%	700.2	77.7%	50.0%	688.4	76.4%
3. EET	5.6	11.9	0.3	70.0%	0.2	87.9%	50.0%	0.2	87.9%
<b>Total</b>	<b>28 646.3</b>	<b>31 420.7</b>	<b>11 190.8</b>		<b>9 641.9</b>			<b>9 589.1</b>	

## Recycling and recovery targets in 2007 achieved by ENVIDOM

Category	Amount placed on the market (t) 2006	Amount placed on the market (t) 2007	Compliance with collection targets (t) 2007	Recovery targets (%) 2007	Compliance with recovery targets (t) 2007	Compliance with recovery targets (%) 2007	R&R targets (%) 2007	Compliance with R&R targets (t) 2007	Compliance with R&R targets (%) 2007
1. LHA	21 870.5	26 179.6	7 439.1	80.0%	6 272.6	84.3%	75.0%	6 247.9	84.0%
2. SHA	2 289.5	2 664.3	574.0	70.0%	446.1	77.7%	50.0%	438.3	76.4%
<b>Total 1 and 2</b>	<b>24 160.0</b>	<b>28 843.8</b>	<b>8 013.1</b>		<b>6 718.7</b>			<b>6 686.2</b>	

## Recycling and recovery targets in 2006 achieved by ENVIDOM

Category	Amount placed on the market (t) 2005	Amount placed on the market (t) 2006	Compliance with collection targets (t) 2006	Recovery targets (%) 2006	Compliance with recovery targets (t) 2006	Compliance with recovery targets (%) 2006	R&R targets (%) 2006	Compliance with R&R targets (t) 2006	Compliance with R&R targets (%) 2006
1. LHA	20 127.1	22 781.1	4 214.0	80.0%	3 836.2	91.0%	75.0%	3 776.1	89.6%
2. SHA	2 425.1	2 300.7	350.2	70.0%	287.5	82.1%	50.0%	240.2	68.6%
<b>Total 1 and 2</b>	<b>22 552.2</b>	<b>25 081.8</b>	<b>4 564.2</b>		<b>4 123.7</b>			<b>4 016.3</b>	

## Recycling and recovery targets in 2005 achieved by ENVIDOM

Category	Amount placed on the market (t) 2004	Amount placed on the market (t) 2005	Compliance with collection targets (t) 2005	Recovery targets (%) 2005	Compliance with recovery targets (t) 2005	Compliance with recovery targets (%) 2005	R&R targets (%) 2005	Compliance with R&R targets (t) 2005	Compliance with R&R targets (%) 2005
1. LHA	22 128.6	20 161.3	1 597.2	80.0%	1 503.5	94.1%	75.0%	1 499.2	93.9%
2. SHA	2 220.3	2 351.5	128.3	70.0%	111.2	86.7%	50.0%	110.9	86.4%
<b>Total 1 and 2</b>	<b>24 348.9</b>	<b>22 512.8</b>	<b>1 725.5</b>		<b>1 614.7</b>			<b>1 610.1</b>	

## Explanatory notes to the tables on Recycling and recovery targets:

Category: 1. LHA – Large household appliances, 2. SHA – Small household appliances, 6. EET – Electrical and electronic tools.

R&R – Reuse and recycling

The discrepancy between the figures for amounts placed on the market in individual years (e.g. the table for recycling and recovery targets in 2005 contains a different amount of WEEE placed on the market in 2005 than in the table for 2006) is caused by the different structure of ENVIDOM participants in that year, which ENVIDOM submits summary reports to the Ministry of Environment of the Slovak Republic for. Some participants leave and some enter the system during a year, which changes the amount of units placed on the market during the previous year.

# Financial information

## Development of assets, own resources and liabilities in 2010 to 2011

ASSETS (in €)	Year 2011	Year 2010
A. Non-current assets	51 702	70 739
B. Current assets	1 312 782	1 952 212
C. Total accrual and deferral	7 584	14 230
<b>Total ASSETS</b>	<b>1 372 068</b>	<b>2 037 181</b>

LIABILITIES (in €)	Year 2011	Year 2010
A. Own resources of coverage of fixed and current assets	184	184
B. Foreign resources	1 371 884	2 036 997
C. Total accrual and deferral	0	0
<b>Total LIABILITIES</b>	<b>1 372 068</b>	<b>2 037 181</b>

## Development of costs and revenues in 2010 to 2011

COSTS (in €)	Year 2011	Year 2010
Total accounting class 5 *	3 917 059	4 561 466

REVENUES (in €)	Year 2011	Year 2010
Total accounting class 6	3 927 621	4 570 724
<b>Earnings after taxes</b>	<b>0</b>	<b>0</b>

\* Accounting costs include creation and spending of reserves for WEEE in the total amount of € 160 428, this means that **Actual total costs** in 2011 amounted to: **€ 4 088 049** subdivided in the following categories:

Refrigerators	<b>2 246 020 €</b>
Other LHA	1 455 370 €
Vacuum cleaners	128 089 €
Other SHA	257 195 €
EE tools	1 374 €
	<b>4 088 049 €</b>

## Overall evaluation of 2010 and 2011 costs of the Envidom collective organization

	WEEE average €/kg	WEEE categories				
		Refrigerators €/kg	Other LHA VDS €/kg	Vacuum cleaners €/kg	Other SHA €/kg	EET €/kg
<b>Total costs 2011*</b>	<b>0.35</b>	0.51	0.23	0.39	0.39	0.34
<b>Total costs 2010*</b>	<b>0.38</b>	0.57	0.20	0.33	0.34	0.41

\* **Total costs include:** operating costs, system costs, income tax  
**LHA** - large household appliances, **SHA** - small household appliances, **EET** – electrical and electronic tools



2011 Auditor's statement



# ENVIDOM members and participants

## Association members

ENVIDOM members can be physical persons – entrepreneurs or legal persons, who are manufacturers of electrical and electronic equipment in categories Large Household Appliances and Small Household Appliances according to Waste Act No. 223/2001 Coll. as amended. Membership can be obtained by signing the deed of foundation. ENVIDOM members have voting rights in the general assembly and participate in decision-making on issues relating to the level of recycling fees and fees for WEEE recovery, approval of the budget and the financial statement, changes to the founding charter, election and recall members of the Board of Directors and Supervisory Board members, overall strategic goals of the association, etc.

## Association participants

ENVIDOM participants are legal or physical persons – entrepreneurs, who are manufacturers of electrical and electronic equipment according to Waste Act No. 223/2001 Coll. as amended, who signed a collective agreement (contract on fulfilling the obligations of collective scheme participants) with the association, thereby entering the collective system of take-back, separate collection and handling of electrical and electronic waste, operated by the association. Association participants have the right to take part in the General Assembly without voting rights.

### List of ENVIDOM members and participants in 2010 (direct relationship)

	Obchodné meno
1.	AAA KLIMA SLOVAKIA, s.r.o.
2.	Amica Commerce, s.r.o.
3.	AMWAY SLOVENSKO s.r.o.
4.	ARAKYS, s.r.o.
5.	ASPICO Slovakia, s.r.o.
6.	AZOR, s.r.o.
7.	Baumatic Slovakia, s.r.o.
8.	BEAM, s.r.o.
9.	Beko Slovakia s.r.o.
10.	BEST Slovakia, s.r.o.
11.	BLACK RED WHITE SLOVAKIA a.s.
12.	Brel, spol.s r.o.
13.	BSH domácí spotřebiče, s.r.o., oz
14.	Candy Hoover ČR s.r.o.
15.	Carrier chladiaca technika Slovakia, s.r.o.
16.	CKD market, s.r.o.
17.	CONET, s.r.o.
18.	CS COMPANY, s.r.o.
19.	DAIKIN AIRCONDITIONING CENTRAL EUROPE - SLOVAKIA, s.r.o.
20.	DATART MEGASTORE, s.r.o.
21.	Di Lusso s.r.o.
22.	Domo Omnia, a.s.
23.	Domoss Technika, a.s.
24.	Dragonfly s.r.o.
25.	EASTCON AG SR spol. s r.o.
26.	Electrolux Slovakia, s.r.o.
27.	ELEKTROSPED, a.s.
28.	ELETTROMECC CZ s.r.o.
29.	ELMAT SLOVAKIA, s.r.o.
30.	ETA-Slovakia, s.r.o.
31.	FAGOR SLOVENSKO, s.r.o.
32.	Farbiak, s.r.o.
33.	Franke s.r.o.
34.	František Majtán - Tovar pre domácnosť
35.	GEMA s.r.o.
36.	GISET SK, s.r.o.
37.	GM Electronic Slovakia, spol. s r.o.
38.	Gorenje Slovakia, s.r.o.
39.	Groupe SEB Central - Europe Kft
40.	Hillcom Slovakia spol. s r.o.
41.	HOOPLA MARKET s.r.o.
42.	CHLADSERVIS KP, s.r.o.
43.	IKEA Supply AG
44.	Indesit Company Magyarország Kft.
45.	Ing. Dušan Repta-Biatec
46.	Ing. Karel Tomek MAXIMA
47.	Ing. Vladimír Dinga
48.	INTERCALEX, spol. s r.o.
49.	Ivo Langer LOMAX
50.	Juraj Špánik
51.	Kanlux s.r.o.
52.	Karma Slovakia, s.r.o.
53.	Kika Nábytok Slovensko, s.r.o.
54.	KOMA Consulting, s.r.o., organizačná zložka
55.	Marek Horník-ZEA-ELEKTRO
56.	Marex Trade - Slovakia, s.r.o.
57.	McTREE SR, a.s.
58.	Miele, s.r.o.
59.	MyCoffee, s.r.o.
60.	NEONUS, s.r.o.
61.	NEPA Slovakia, spol. s r.o.
62.	N&N Group, s.r.o.
63.	Pavol Rabatin
64.	PENTA SK, s.r.o.
65.	PREMT, s.r.o.
66.	PROLUX, s.r.o.
67.	RAVAL TRADE,s.r.o.
68.	REMONT Slovakia, s.r.o.
69.	Retail Value Stores, a.s.
70.	Samsung Electronics Magyar Rt. - slov.org.
71.	SLOVKLIMA DEIMOS, s.r.o.
72.	SMART Systems, s.r.o.
73.	Solac - Elektro Slovakia spol. s r.o.
74.	STAR - ELEKTRO, s.r.o.
75.	Štefan Duša - IMFREINEX
76.	Štefan Matyasovszky-Hrom
77.	Tatra Commerce spol. s r.o.
78.	TATRAMAT - ohrievače vody, s.r.o.
79.	TECHNOTEX, s.r.o.
80.	TEKA - CZ, s.r.o.
81.	THERMOTECHNIKA CROWN COOL, s.r.o.
82.	VALLENS, s.r.o.
83.	VARTA Baterie spol. s r.o.-o.z.
84.	Velloria Group SK s.r.o.
85.	Verix, s.r.o.
86.	Vitakraft Slovakia, s.r.o.
87.	WHIRLPOOL SLOVAKIA spol. s r.o.
88.	ZÁVACKÝ PETER GLOBTAKTIK
89.	ZELMER CENTRAL EUROPE s.r.o.
90.	ZELMER CENTRAL EUROPE s.r.o., organizačná zložka
91.	Zelmer Slovakia, s.r.o. v likvidácii

In 2011, apart from the above-mentioned "direct" participants, ENVIDOM has also many other participants represented by manufacturers based outside the Slovak Republic (indirect relationship).

# People at ENVIDOM

## ENVIDOM Board of Directors

### Ing. Ján Spūra

Chairman of the Board  
(WHIRLPOOL SLOVAKIA spol. s r.o.)

### Ing. Karol Juran

Member of the Board  
(Gorenje Slovakia, s.r.o.)

### Ing. Juraj Nociar

Member of the Board  
(Electrolux Slovakia, s.r.o.)

### Ing. Ján Končál

Member of the Board  
(Fagor Slovensko, s.r.o.)

### Josef Pos

Member of the Board  
(Indesit Company  
Magyarország, Kft.)

### Ing. Plamen Petrov

Member of the Board  
(BSH domácí spotřebiče, s.r.o.,  
org. zložka Bratislava)

### Ing. Jaroslava Vyrobníková

Member of the Board  
until 30th June 2011  
(ETA Slovakia, s.r.o.)

### Ing. Lubomír Převraský

Member of the Board  
from 1st July 2011  
(ETA Slovakia, s.r.o.)

## ENVIDOM Supervisory Board

### Ing. Pavol Csicso

Chairman of the Supervisory  
Board (Groupe SEB ČR a SR,  
s.r.o.)

### Ing. Lubomír Převraský

Member of the Supervisory  
Board  
until 30th June 2011  
(ETA Slovakia, s.r.o.)

### Ing. Vladimír Kiss

Member of the Supervisory  
Board  
(WHIRLPOOL SLOVAKIA spol. s r.o.)

### Ing. Jiří Bartoš

Member of the Supervisory  
Board from 1st July 2011  
(ETA Slovakia, s.r.o.)

## ENVIDOM working team

### Mgr. Peter Valent

Managing Director from 1. 10. 2011  
(Ing. Martin Ciran until 30. 9. 2011)

### Mgr. Gabriela Dzurňáková

Office Manager

### Operations Department

**Ing. Branislav Ďurdík**  
Trade manager

### Finance Department

**Ing. Rastislav Ulbricht**  
Finance director

### Ing. Zuzana Posuchová

Recycling specialist

### Ing. Darina Redlerová

Chief Accountant

### Bc. Líliana Demjenová

Logistics Manager  
(Ing. Jana Huszárová  
until 23. 5. 2011, currently on  
maternity leave)

### Marketing and PR

**Ing. Jana Nahálková**  
PR & Marketing manager

### Eva Húsková

Logistics specialist

### Mgr. Vojtech Winter

Mobile Collections Specialist

**Current ENVIDOM members**  
(founding members and other ENVIDOM members  
who delegate representatives to executive and  
supervisory bodies of the Association):

B/S/H/

*Thinking of you*  
 **Electrolux**

*eta*

**FAGOR** 

**gorenje**

  
GRUPE  
SEB

 **INDESIT**  
company

 **Whirlpool**

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**envidom** 

ASSOCIATION OF PRODUCERS  
OF APPLIANCES FOR RECYCLING

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