ENVIRONMENTAL REPORT OF PRINTING COMPANY ECOPRINT

2013

ENVIRONMENTAL LABELS AND CERTIFICATES

AS Metrosert, which is an accredited certifier No. EE-V-0001, certifies that the information and data given in the environmental report of Ecoprint are reliable and correct as well as comply with the 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 organisations in the Community eco-management and audit scheme, after checking the organisation's environmental management system and environmental report of 2013 .

The environmental report has been approved on 13 May 2014.

DEAR READER

It is our great pleasure to present to you Ecoprint's twelfth environmental report, this time for the year 2013.

We expanded the dimensions of the report and brought in the topics of social responsibility already last year and included them in this report as well. We wish to introduce the principles and essence of responsible business to a wider range of interest groups.

We were pleased after summing up the previous year, because the steps we took to reduce the ecological as well as carbon footprint had paid off. The Responsible Business Forum recognised our contribution to the development and promotion of responsible business—we were awarded the silver level quality label for sustainable business for the second consecutive year and, in this category, we belong among the companies that have shown good results. We have been on the same high level with such large companies as Tallinna Vesi, Swedbank, ABB, Coca-Cola HBC Estonia etc. already for five consecutive years.

There is still room for progress as we have not yet earned the golden quality label for sustainable business.

The activities related to the natural environment, which has been the main category that characterises the activities of Ecoprint, are a part of the responsible management of our company. In order to assess their efficiency, we use ecological and carbon footprint calculation methods. While both indicators have, despite our efforts, increased stealthily in recent years, we achieved good results in improving them last year: our carbon footprint decreased by 61% and ecological footprint by 33%.

The main factors that influence the size of the carbon footprint are the consumption of electricity and thermal energy. In the case of the ecological footprint, the main factor is waste generation. In addition, the size of both footprints is influenced by the carriage of goods and Ecoprint's employees. The natural environment is burdened to a much lesser extent by the consumption of water and services that are necessary for the activities of the company.

The liberalisation of the electricity market in January 2013 gave us a great opportunity to choose our electricity supplier on the basis of the price of the service as well as environmental sustainability. We started collaborating with Elektrum. As the company has stated that about one third of the supplied electricity comes from renewable sources, Ecoprint's carbon footprint decreased notably.

A more efficient transport management and good logistics definitely play a role in the reduction of the carbon footprint. In 2013, our company's exports continued to increase, but the volume of the carriage of goods in tonne-kilometres decreased by 6%. The more intensive marketing activity on external markets, however, had a negative effect on the size of the carbon footprint, as it increased the use of air

transport. Nevertheless, its overall influence was not very substantial.

The fact that our production and office premises have separate ventilation systems and we preheat incoming air in a heat exchanger helps to optimise heating costs. In spite of that, we are worried about our consumption of thermal energy. Due to the fact that we substantially reorganised our use of space last year, the area of production as well as office premises increased. On the one hand, it was feasible, on the other hand, it increased the demand for electricity and more gas was used for heating the premises than before. This was followed by the long and cold winter of 2013, which caused additional consumption.

The system of solar thermal collectors on the roof of Ecoprint's production building is also of great importance in optimising heating costs. In the summer of last year, it covered all of the company's warm water needs.

Even though the separation of the heating systems of the production and office premises, preheating the incoming air in the heat exchanger and the system of solar thermal collectors still help to optimise heating costs, we did not manage to achieve the goals we had set in this field—more gas was used for heating than before.

The size of the ecological footprint mostly depends on waste generation. We separate all of the waste, incl. hazardous waste, produced by Ecoprint and recycle it either as material or refuse-derived fuel. The way we keep track of waste generation and its different types has changed over the years. Last year, we implemented a better sorting system for municipal solid and packaging waste and its impact can be seen in the diagrams of the corresponding waste types. While the volume of waste created by us generally decreased in 2013, the volume of hazardous waste increased. Namely, we used more washing water than in the previous years for preventing blockages and ensuring the proper quality of printed materials in the water-based dispersion varnish section of the printing machine.

The largest share of waste is generated by paper usage, i.e., the paper trimmings produced upon cutting sheets or printed materials into format. Last year, we took different measures to reduce their volume. For example, we bought paper on the basis of better specific measurements and this reduced the proportion of cut edges. We also reduced the amount of test sheets and monitored the spreading more closely. All in all, the share of our paper waste constituted 25% of the total amount of paper purchased in 2013, which was 8% less than in 2012. This is how we achieved one of Ecoprint's important environmental goals. This year, we wish to maintain the attained level.

We prefer raw materials with environmental certificates in order to achieve a broader impact on protecting and conserving the natural environment. Last year, printing paper with Forest Stewardship Council (FSC) or the Programme for the Endorsement of Forest Certification (PEFC) certificates, Nordic Ecolabel or European Ecolabel constituted 77% of our raw materials, which is about 20% more than the previous year.

In addition, at least 90% of the printing and domestic chemicals we use, incl. in prepress, have an ecolabel or possess minimal negative environmental effects (the chemicals in the list approved by the Nordic Ecolabel certificate holder). When procuring other products, we in Ecoprint prefer those that have an environmental certificate or ecolabel, whenever possible.

In order to give a direct contribution to reforestation, we plant trees each spring in collaboration with the State Forest Management Centre. In 2013, we planted about 1,500 spruces in the Välgi-Alatskivi area near Tartu. We will definitely continue the tradition this year.

In order to control the indirect environmental impact arising from our activities in selecting suppliers, we prefer collaboration partners whose environmental activities have been certified as effective.

The second important component of responsible business is **the social aspect.** In this case, our main goal is to be a reliable partner to our customers and suppliers as well as a good employer to our employees. We also wish to contribute to the development of the community and support increasing environmental awareness in the society.

Ecoprint has introduced its principles of operation and the possibilities of responsible business for years at seminars and conferences. Last year, we made a presentation at an Estonian Chamber of Commerce and Industry seminar about the impact of environmental decisions on the company. We also introduced the principles of environmental activities during numerous tours to the production unit of Ecoprint: we organised eight tours for about 160 people in a year.

Among other things, we have been the research base for many researchers from the University of Tartu, Tallinn University of Technology and Estonian University of Life Sciences. Last year, we participated in the research conducted by the business ethics scholars of Swedbank on the topic of IT security risks. In the process of it, the researchers presented a report on Ecoprint's IT security. The bottlenecks brought out in the report are a great basis for improving the company's IT systems and making them more secure.

We offered an internship to one economics and business student and one prepress student. We have taken on interns in our company every year, because we want to help the students improve their skills and enter the labour market more smoothly. One of the interns from last year is now working as our prepress specialist.

In 2013, we started collaborating with the Tartu Parish: we supply the schools and kindergartens in the parish with scrap paper, which the children can use for drawing and crafting. We handed over one tonne of paper in total.

Over the years, we have supported the activities of many environmental organisations—the Estonian Fund for Nature, Palupõhja Nature School and non-profit association Ökomeedia—by helping them achieve their environmental goals. Last year, together with our customers, we contributed to the activities of the Estonian Fund for Nature in protecting the Baltic Sea. By the time of the publication of this report, the received donations amounting to 1,000 euros have already been given to the Estonian Fund for Nature.

We also collaborated with the Tallinn Polytechnic School and Association of Estonian Printing Industry on composing a curriculum and professional standard for the in-service training of the postprocessors of printed materials. The goal of the in-service training is to develop the professional skills of the postprocessors of printed materials and broaden their knowledge of the printing sector and business in general. The first in-service training course is planned to start this autumn.

The third component that characterises responsible business is **economic sustainability**. In this case, importance is placed on the sustainable development of the company and increasing the value of the company in a sustainable manner. In Ecoprint, we have implemented the ISO 9001 quality management system, the adherence to which will help us consistently measure, analyse and improve our results. When making decision, we assess the risks and avoid taking unreasonable ones. In investing into technology and machinery, we select the most optimal solution by taking the price, quality as well as resource demand indicators into account.

Customer satisfaction is always one of the keywords of economic sustainability for us. Every day, we endeavour to make our customers more pleased with our services. We listen to and advise customers, as well as offer services and products that deliver the right balance of price and production speed, while the compliance to technical requirements is also guaranteed.

The overall mark achieved in the customer satisfaction survey of 2013 was 4.5, which was better than the 4.4 of 2012. We assess customer satisfaction in many categories: quality of work, price range, compliance with deadlines, collaboration/customer-orientation, information exchange, readiness to solve problems and speed of solving problems. Assessments can be made on a five-point scale. According to the study from last year, we attained the best results in the category of compliance with deadlines, where the assessment improved remarkably: from 4.4 to 4.8 points. The only category in which we did not manage to be up to the expectations of the customers was price range: we fell from 3.8 to 3.7 points. In all other categories, we noticed a slight positive change.

On the following pages, you will find a more detailed overview on what we did in 2013 and which goals we have established for 2014.

I hope you enjoy reading the report and are inspired towards engaging in environmental activities and doing good deeds.

I would like to thank all partners and Ecoprint's employees for their commitment and collaboration!

Erika Ilisson
CEO of AS Ecoprint

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INTRODUCTION OF AS ECOPRINT

AS Ecoprint is an environmentally friendly printing company established in 2007. The company is located on the Vahi Industrial Park near Tartu. The merger of Ecoprint with three well-known Estonian printing companies AS Triip, AS Guttenberg and OÜ Repro took place in 2008. The new organisation created by the merger continues to offer all of the services of the three companies. They include the sale of printing services, prepress (incl. design) and offset printing. The main process of the company is more clearly shown in Figure 1. Ecoprint produces printed materials of different shapes and formats: printed materials for companies, packaging and labels, pamphlets and brochures, books and periodicals. Ecoprint's market is mainly in Estonia and Scandinavia.

In its activities, Ecoprint follows the principles of responsible business: being a reliable partner to its employees, collaboration partners and owners, and caring for the environment and community. The company and the Estonian Fund for Nature have together developed a printing service that is unique in Estonia, represented by the patented trademark Green Print. When a customer orders a Green Print from Ecoprint, they may be certain that the harmful environmental impact of the printing service is smaller, because:

- the ink used for Green Prints is based on natural oils and resins instead of petrochemicals
- environmentally certified or recycled raw materials are used for Green Prints
- the production of Green Prints is supported by environmentally sustainable technology
- all of the waste generated in the production of Green Prints is recycled.

This Environmental Report is the twelfth consecutive public document for Ecoprint and its predecessor AS Triip, and it describes the environmental activities and impact of the company. Data about the company's resource demand and waste generation is presented in the report to characterise the environmental impact and evaluate the efficiency of the company's environmental activities, and it is analysed using the methods for measuring the ecological footprint and CO^2 emissions.

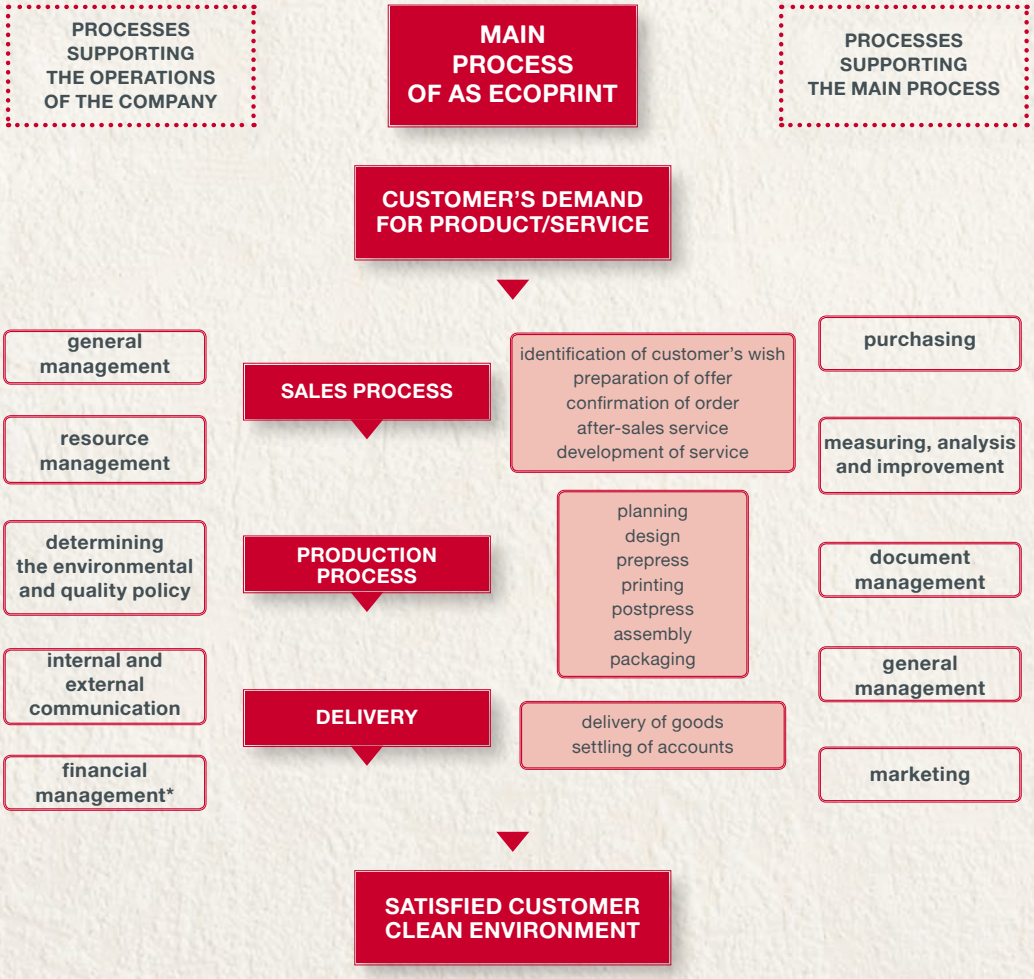


Figure 1.
The production process of AS Ecoprint covers the entire printing service from sales and layout to the delivery of the printed materials to the consumer.

The **MISSION OF ECOPRINT** is to offer business clients optimal environmentally friendly printing solutions that improve their competitiveness and reputation.

The **VISION OF ECOPRINT** is to be the most environmentally friendly and favourable printing partner in Estonia and on neighbouring markets. The reliability and client loyalty of Ecoprint are based on quality, contemporary values and environmental protection.

Company name	AS Ecoprint
Established on	3 August 2007
Address	Savimäe 13, 60534 Vahi village
Website	www.ecoprint.ee
E-mail	ecoprint@ecoprint.ee
Telephone number	+372 733 1400
Mobile number	+372 5272 642
Fax	+372 733 1401
Area of activity	printing industry
NACE/EMTAK code	1812
Turnover in 2013	€ 2.716 million
Number of employees in 2013	38
Territory of activities	1,940 m^2
Area under buildings	4,400 m^2

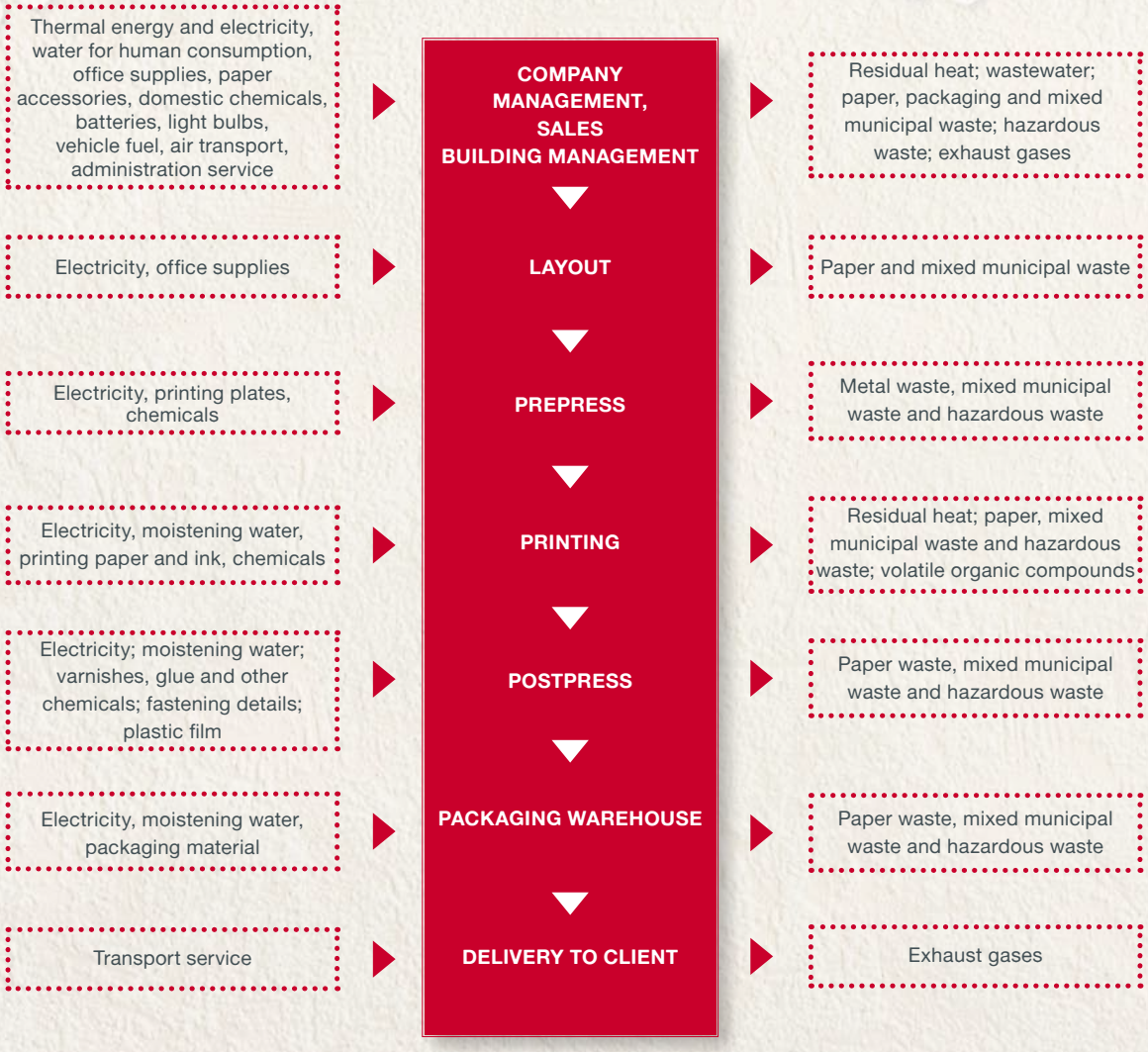


Figure 2.
The process diagram of AS Ecoprint with its environmental inputs and outputs.

DESCRIPTION OF THE ENVIRONMENTAL MANAGEMENT SYSTEM

The environmental management system (EMS) covers all the activities and units of Ecoprint. Ecoprint manages the environmental impact of the activities not directly controlled by it, e.g., the delivery of materials and subcontracting, through the selection of its business partners. The company's process diagram shown in Figure 2 constitutes the core of the environmental management system. The EMS corresponds to the requirements of the ISO 14001 standard and the EMAS Regulation. The EMS is harmonised with the company's quality management system. CEO Erika Ilisson is responsible for the company's environmental activities.

Ecoprint evaluates adherence to its environmental policy and the efficiency of its management system in the course of regular internal audits and management reviews, and updates its environmental goals and duties or the management system as a whole. Indicators of environmental activities are collected and examined all the time and the efficiency of activities is evaluated quarterly, which results in the preparation of the annual environmental report. Ecoprint's environmental and quality policies as well as environmental reports are public and available to everyone.

ENVIRONMENTAL POLICY

The environmental policy of AS Ecoprint defines the principles of the company's environmental activities. It has been approved and accepted by the company's management board. The environmental policy of AS Ecoprint corresponds to the requirements of the EVS-EN ISO 14001:2005 standard and the EMAS Regulation.

AS Ecoprint:

- adheres to the existing legislation and legal provisions of the Republic of Estonia that regulate the company's activities, products and services
- reduces the environmental impact arising from its activities
- avoids and reduces environmental pollution as well as prevents the risk of pollution
- implements an environmental management system that corresponds to the requirements of the EVS-EN ISO 14001:2005 standard and the EMAS Regulation
- guarantees the efficiency and constant improvement of the environmental management system
- guarantees sufficient resources for the environmental management to function efficiently

- selects the economically reasonable and environmentally friendly solution from amongst the new technologies, equipment or materials
- implements cleaner production methods
- implements environmentally friendly product development methods
- communicates environmental information about the company to the authorities, local residents and other stakeholders
- raises environmental awareness among its employees
- promotes environment protection among external interested parties.

All employees must adhere to the company's environmental policy. Ecoprint evaluates adherence to its environmental policy in the course of regular internal audits and management reviews. The environmental policy, goals and duties are reviewed and updated whenever necessary. The environmental policy of AS Ecoprint is public and available to everyone at www.ecoprint.ee.

AS Ecoprint publishes an annual company-based environmental report, which is prepared by independent experts and which includes the measurement results of the ecological and carbon footprint.

ENVIRONMENTAL ASPECTS AND IMPACT

The company considers the severity, extent and frequency of the impact arising from its aspects, compliance of its activities with legal requirements and the impact of its activities on the relationships with interested parties upon assessing the significance of environmental aspects.

Ecoprint's important environmental aspects that have a positive impact or prevent environmental damage are the following:

- recycling all waste
- using the residual heat of the printing equipment for heating the production premises
- using the internal and external environmental communication of the organisation to raise environmental awareness and prevent possible damage.

The important environmental aspects that cause environmental load are the following:

- using paper and chemicals in production
- consuming electricity and thermal energy
- using liquid fuel in transport
- the generation of paper and hazardous waste.

The negative environmental impact of the company can be apparent during the entire life cycle of the printing service in:

- the depletion of natural resources
- the decrease in biodiversity
- air, water and soil pollution
- the impact on climate change
- the possible health damage to employees.

COMPLIANCE OF ACTIVITIES WITH LEGAL REQUIREMENTS

The pieces of environmental legislation that regulate the activities of Ecoprint are the Waste Act, Packaging Act, Ambient Air Protection Act and, at the local level, Waste Management Rules. Ecoprint does not need any environmental permits in its operations, as electricity, thermal energy and drinking water supply, wastewater treatment, carriage of goods and waste handling are outsourced, and the activities, work volume and used raw materials of the printing facility do not require the company to apply for environmental permits.

Reducing waste generation, promoting the separate collection of generated waste and recycling waste have been the environmental priorities of the printing company for years. Ecoprint conforms to the requirements stipulated in waste handling legislation and all waste generated in the company is recycled. The main volatile organic compound emitted in the printing process is isopropanol, but the quantity of the used chemicals and emissions of volatile organics are considerably below the limits set forth in the Ambient Air Protection Act, which means that the company does not have to perform any additional obligations.

ACHIEVEMENT OF THE ENVIRONMENTAL GOALS FOR 2013

ENVIRONMENTAL GOAL FOR 2013	RESULT
Power consumption per €1,000 of turnover will not exceed 106 kWh and the power consumption of office premises will not increase.	Power consumption remained within the limits of the objective at 98 kWh per €1,000 of turnover. The power consumption of office premises increased by 2.3%.
Gas consumption per €1,000 of turnover will not exceed 60 kWh.	The goal was not achieved, about 79 kWh of thermal energy was consumed per €1,000 of turnover.
Water consumption on the basis of meter readings will not increase as compared to 2012. Water consumption calculated on the basis of the use of space will not increase proportionally by more than by 45%.	The goal was achieved: water consumption on the basis of meter readings decreased by 15% and water consumption calculated on the basis of the use of space increased by 24%.
Increasing the percentage of paper with a controlled supply chain and waste paper.	The goal was achieved: the share of FSC or PEFS certified paper, paper with the Nordic Ecolabel or recycled paper was 77% of printing paper, as compared to the 52% of the previous year.
Decreasing the share of paper waste to at least 29% of the printing paper.	The goal was achieved: the share of paper waste was 25% of the paper purchased, as compared to the 33% of the previous year.
The share of the chemicals and ink that have an ecolabel or have been approved by environmental organisations is at least 92%, except the chemicals used in prepress.	The goal was achieved: 93.5% of all the chemicals used had an ecolabel or belonged to the list approved by the issuer of the Nordic Ecolabel.
Decreasing the volume of municipal waste through a better sorting system.	The goal was achieved: the estimated generation of municipal waste has decreased by 47%, the total volume of municipal and packaging waste has decreased by 2%.
Contributing to raising environmental awareness through presentations, publications and tours.	The company organised eight tours and one presentation was made in the Estonian Chamber of Commerce and Industry.
Helping to share environmental competence by participating in student researches.	The company participated in one research and two students were offered an internship.
Supporting the protection of the Baltic Sea through a collaboration project with the Estonian Fund for Nature.	The collaboration project was implemented with the help of Ecoprint's customers.
Supporting the community, raising children's awareness of waste, and directing waste paper straight to recycling.	In 2013, the kindergartens in the Tartu Parish were given one tonne of waste paper for drawing, the children were given a tour in the company and an exhibition of their work was opened.
Continuing planting trees in the spring to increase the positive environmental impact of the company.	Afforestation in collaboration with the State Forest Management Centre took place on 10 May on the Välgi–Alatskivi roadside near Tartu.

ENVIRONMENTAL GOALS FOR 2014

Ecoprint sets the following environmental goals for 2014:

1) resource-efficiency:

- reducing the consumption of electricity on the office premises by 5%
- reducing the consumption of thermal energy on the production as well as office and common premises as compared to 2013

2) waste generation:

- retaining the level at which paper waste does not exceed 25% of the purchased paper
- reducing the generation of hazardous waste to the level achieved in 2012

3) promoting environmental awareness and activities:

- supporting the community by enabling the kindergartens and schools in the Tartu Parish to use suitable paper waste
- helping to raise awareness of sustainable business by giving tours and publishing corresponding news related to the company
- introducing the printing industry and related environmental activities to young people
- continuing planting trees in the spring

4) occupational health and environment:

- reducing dust generation
- solving the problem of the light from solar rays illuminating the premises unevenly.

MAIN INDICATORS OF ENVIRONMENTAL ACTIVITIES

Table 1. The main indicators of the environmental activities of Ecoprint over the years.

INPUTS AND OUTPUTS			AMOUNT CONSUMED						AMOUNT CONSUMED PER € 1,000 OF TURNOVER					
Category		Unit	2008	2009	2010	2011	2012	2013	2008	2009	2010	2011	2012	2013
ELECTRICITY														
	Total	MWh	249.4	254.3	236.0	233.1	245.4	264.9	0.13	0.13	0.10	0.09	0.09	0.10
	Electrical grid	MWh	249.0	253.9	235.6	232.6	245.0	264.7	0.13	0.13	0.10	0.09	0.09	0.10
	Energy produced with Ecoprint's wind turbines	MWh	0.32	0.38	0.38	0.48	0.39	0.19	0.00	0.00	0.00	0.00	0.00	0.00
THERMAL ENERGY														
	Energy produced from natural gas	MWh	148.8	137.7	119.6	114.8	127.7	214.1	0.08	0.07	0.05	0.04	0.05	0.08
	Solar energy	MWh	no calculation											
SHARE OF RENEWABLE ENERGY ON THE BASIS OF EXISTING MEASUREMENT DATA			0.1%	0.1%	0.1%	0.1%	0.1%	16.6%						
WATER														
	Water from public water supply	m^3	400	660	820	630	680	670	0.21	0.34	0.36	0.25	0.26	0.25
	Rainwater collected from roof	m^3	no calculation											

TRANSPORT														
	Carriage of goods	tonne-km	12 260	25 830	96 970	121 110	156 340	145 590	6.5	13.2	42.8	47.3	58.9	53.6
	Car use for work-related purposes	car-km	44 820	91 830	137 040	136 220	120 540	117 650	23.8	46.8	60.5	53.2	45.4	43.3
	Air transport	h	no calculation		10	6	4	12			0.00	0.00	0.00	0.00
RAW MATERIAL														
	Printing paper	t	380	370	460	570	570	550	0.20	0.19	0.20	0.22	0.22	0.20
	Office paper	pk	110	60	31	30	30	0	0.06	0.03	0.01	0.01	0.01	0.00
	Printing plates	m^2	10 990	14 150	17 680	17 810	18 450	14 680	5.84	7.21	7.81	6.95	6.95	5.41
	Print film	m	1 650	610	670	0	0	0	0.88	0.31	0.30	0.00	0.00	0.00
	Ink	kg	2 150	2 700	3 620	3 990	3 950	3 770	1.14	1.37	1.60	1.56	1.49	1.39
	Dispersion varnish	kg	1 500	2 580	3 910	3 960	3 460	2 930	0.80	1.31	1.73	1.54	1.30	1.08
	Chemicals	l	5 510	5 420	7 720	6 000	6 780	5 020	2.93	2.76	3.41	2.34	2.56	1.85
WASTE (ALL RECYCLED)														
	Paper waste	t	123.6	115.74	135	177	190	136	0.07	0.06	0.06	0.07	0.07	0.05
	Packaging waste	kg	no calculation		1 070	500	380	1 700			0.47	0.20	0.14	0.63
	Metal waste	kg	7 610	10 220	13 040	12 990	13 580	10 700	4.04	5.21	5.76	5.07	5.12	3.94
	Glass waste	kg	no calculation					73						0.03
	Hazardous waste	kg	3 310	4 620	7 050	7 790	7 210	8 260	1.76	2.35	3.11	3.04	2.72	3.04
	Mixed municipal waste	kg	17 820	13 860	780	680	2 900	1 530	9.47	7.06	0.34	0.27	1.09	0.56
LAND USE														
	Size of site used by Ecoprint	m^2	3 190	3 190	3 190	3 190	3 190	4 400	1.70	1.63	1.41	1.25	1.20	1.62
TURNOVER		mEUR	1.881	1.962	2.264	2.560	2.653	2.716						

ECOLOGICAL FOOTPRINT

The size of the land and sea area the human population needs to consume the various benefits of the ecosystem is evaluated to find the ecological footprint. These benefits are, for example, the production of food and renewable raw materials, land under buildings and structures, but also the ability of natural biotic communities to remove the carbon dioxide that people emit in the course of energy consumption from ambient air.

The ecological load of the company's inputs and outputs in one year is evaluated to calculate the company's ecological footprint. In order to avoid double calculation, the principle of partly shared responsibility must also be considered, as different companies and their customers use the same resources in the course of material circulation. The inputs and outputs the company needs to function, but which do not directly cover the use of material in the product that reaches the customer, are included in the calculation of Ecoprint's ecological footprint. This means that the calculation of the footprint includes energy consumption, water usage, waste generation, transport and direct land use in the amounts for which we have the necessary ecological footprint coefficients. The list of sources used to calculate the coefficients is in the end of the report. In the Environmental Report of 2013, the Latvenergo electricity emission factor and glass waste coefficient have been used as new footprint coefficients.

Table 2. The development of the ecological footprint of Ecoprint over the years.

Category	2008		2009		2010		2011		2012		2013	
	gha	%	gha	%	gha	%	gha	%	gha	%	gha	%
Electricity	85	17.6%	86	19.0%	77	17.1%	76	13.7%	78	13.1%	13	3.4%
Thermal energy	12	2.5%	8	1.9%	7.3	1.6%	7.0	1.3%	7.8	1.3%	13	3.3%
Water	0.0	0.0%	0.1	0.0%	0.1	0.0%	0.1	0.0%	0.1	0.0%	0.1	0.0%
Carriage of goods	0.9	0.2%	1.8	0.4%	6.8	1.5%	8.5	1.5%	11	1.8%	10	2.6%
Car use for work-related purposes	4.5	0.9%	10	2.2%	13	2.8%	12	2.2%	11	1.8%	11	2.7%
Air transport	-		-		0.6	0.1%	0.3	0.1%	0.2	0.0%	0.7	0.2%
Office supplies	-		-		0.7	0.1%	0.8	0.1%	0.6	0.1%	0.5	0.1%
Services	-		-		1.1	0.2%	1.1	0.2%	1.0	0.2%	1.3	0.3%
Waste	380	78.7%	346	76.3%	345	76.3%	446	80.8%	486	81.5%	348	87.2%
Land under buildings	0.8	0.2%	0.8	0.2%	0.8	0.2%	0.8	0.1%	0.8	0.1%	1.1	0.3%
Total (gha)	483	100%	454	100%	452	100%	552	100%	597	100%	400	100%
Total/turnover (gha/€1,000)	0.257		0.231		0.200		0.216		0.225		0.147	

In 2013, the ecological footprint of Ecoprint was 400 global hectares.

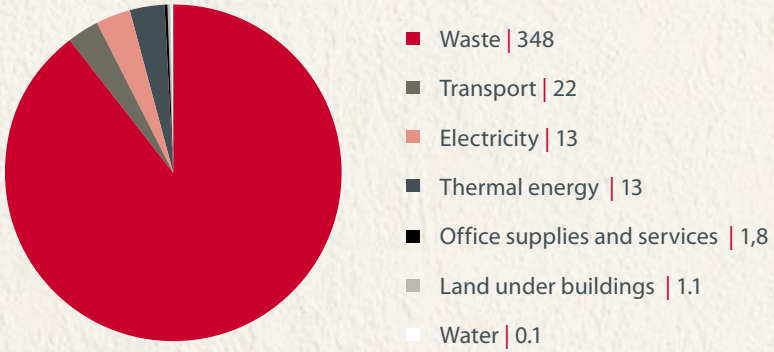


Figure 3. The distribution of the ecological footprint of Ecoprint in 2013.

In 2013, the ecological footprint of Ecoprint decreased by 33% in total and 35% per turnover unit.

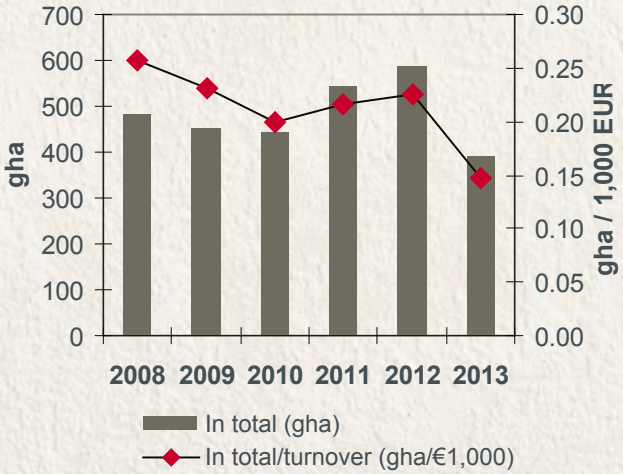


Figure 4. Change in the ecological footprint of Ecoprint over the years.

CARBON FOOTPRINT

The carbon footprint indicates the amount of CO2 and its equivalents emitted into air in association with the company's operations in tonnes per year (tCO2eq). The use of electricity, thermal energy, carriage of goods and work-related travel by car or plane are represented in the calculation of Ecoprint's carbon footprint. The list of sources used to calculate the coefficients is in the end of the report.

In order to remove the carbon dioxide generated in 2013, Ecoprint should plant 40 hectares of forest. During the afforestation day on 10 May, Ecoprint's staff planted 1,700 trees, which is a little less than one hectare of forest. The afforestation day is customarily organised in collaboration with the State Forest Management Centre.

In 2013, the carbon footprint of Ecoprint was 144 tCO^2eq.

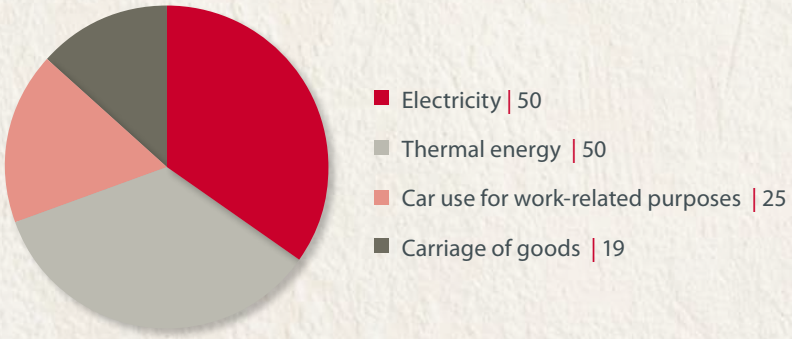


Figure 5. The distribution of the carbon footprint of Ecoprint in 2013.

In 2013,
the carbon footprint
of Ecoprint decreased
by 61% in total
and 62% per turnover unit.

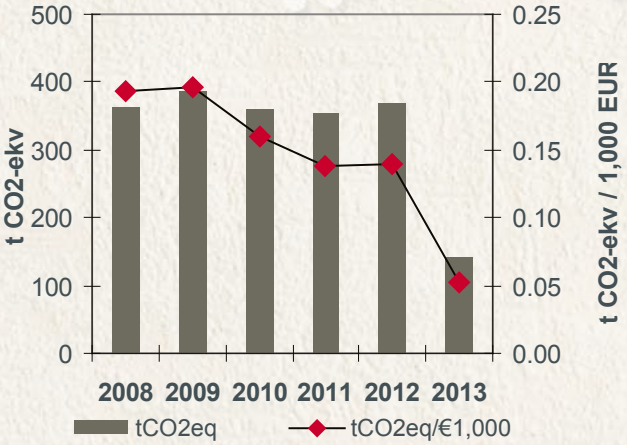
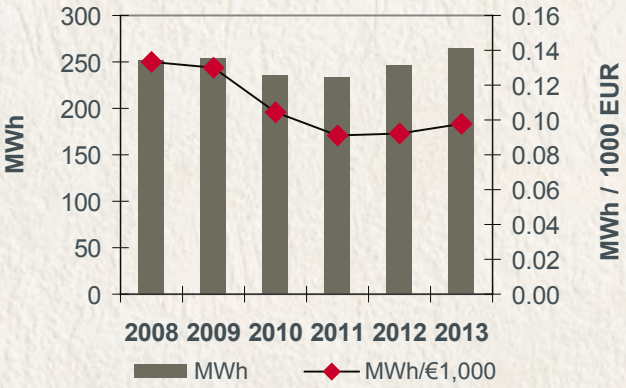


Figure 6. Change in the carbon footprint of Ecoprint over the years.

Table 3. The development of the carbon footprint of Ecoprint over the years.

Category	2008		2009		2010		2011		2012		2013	
	tCO2 eq	%	tCO2 eq	%	tCO2 eq	%	tCO2 eq	%	tCO2 eq	%	tCO2 eq	%
Electricity	320	88%	326	84%	292	81%	285	80%	294	80%	50	35%
Thermal energy	30	8%	32	8%	28	8%	27	8%	30	8%	50	35%
Car use for work-related purposes	11	3%	25	6%	29	8%	27	8%	24	7%	25	17%
Carriage of goods	2	0%	3	1%	13	3%	16	4%	20	6%	19	13%
Total (gha)	363	100%	386	100%	361	100%	354	100%	369	100%	144	100%
Total/turnover (tCO2eq/€1,000)	0.193		0.197		0.159		0.138		0.139		0.053	

FIELDS



In 2013, the consumption of electric energy increased by 8% in total and 5% per turnover unit.

Figure 7. The consumption of electric energy over the years.

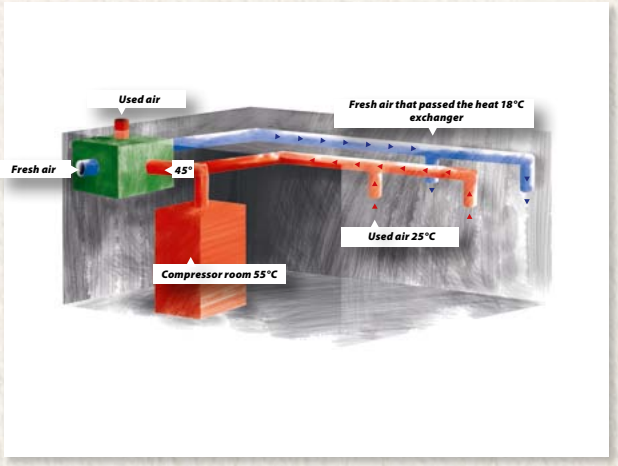


Figure 8. Ventilation system with a heat exchanger.

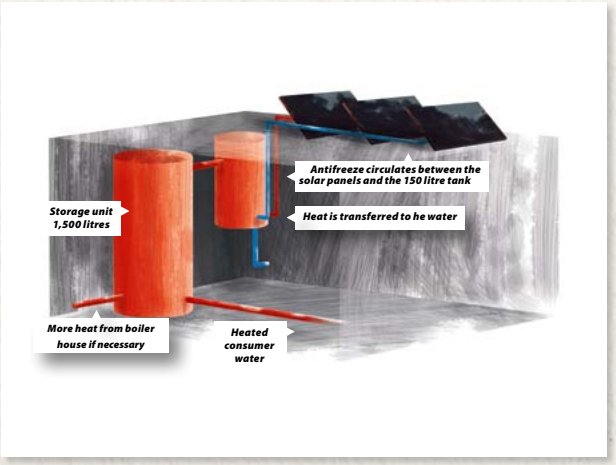


Figure 9. Heating consumer water using solar panels.

In 2013, the consumption of thermal energy from natural gas increased by 68% in total and 64% per turnover unit.

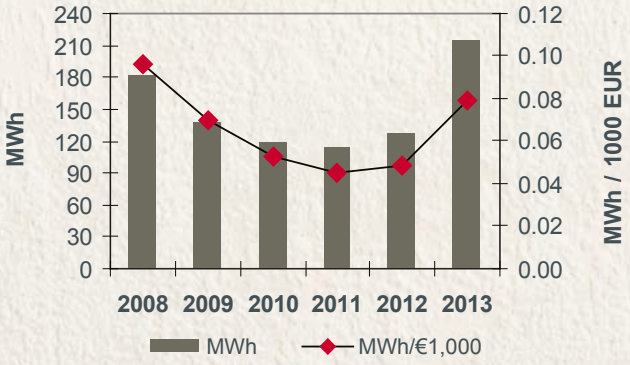


Figure 10. The consumption of thermal energy over the years.

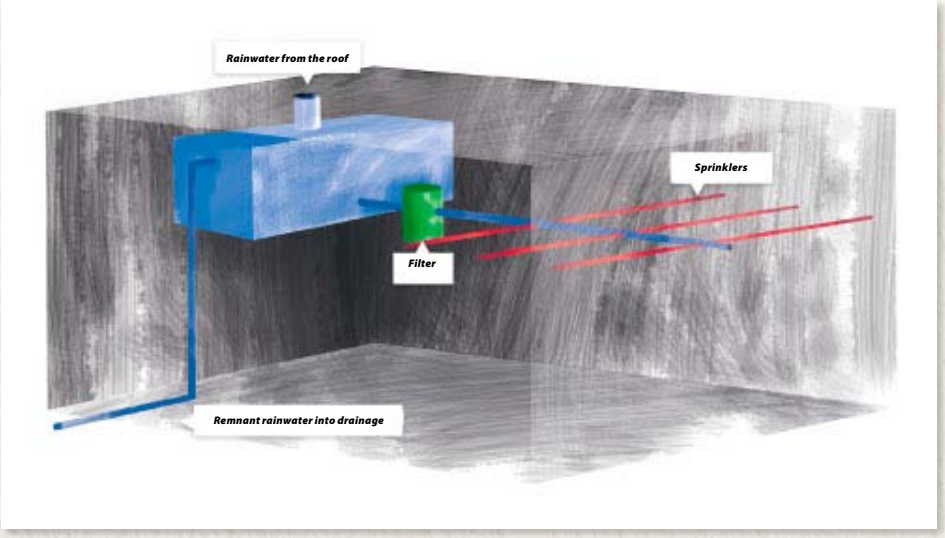


Figure 11. Collecting rainwater for humidifying the air.

In 2013, the consumption of water decreased by 2% in total and 4% per turnover unit.

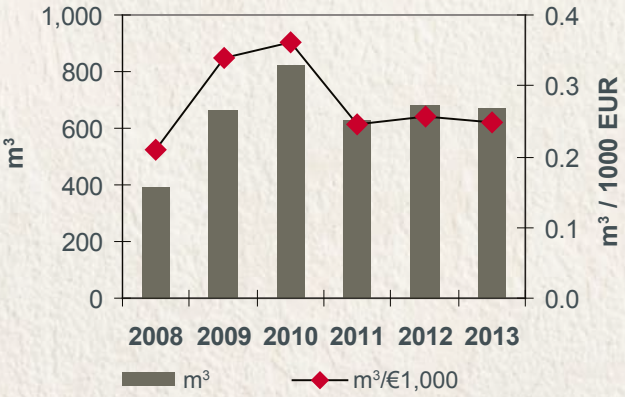


Figure 12. The consumption of water over the years.

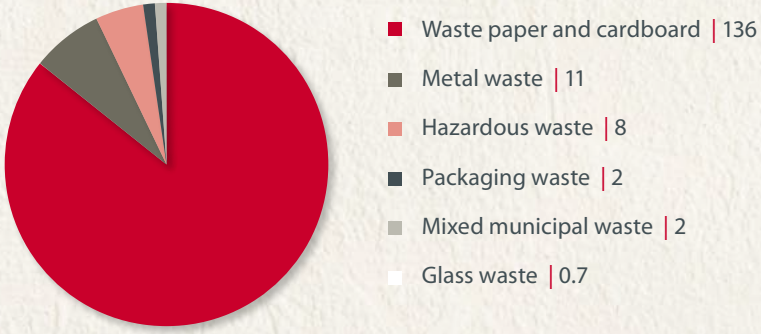


Figure 13. The distribution of waste sources in tonnes in 2013.

In 2013, the generation of mixed municipal waste decreased by 47% in total and 48% per turnover unit.

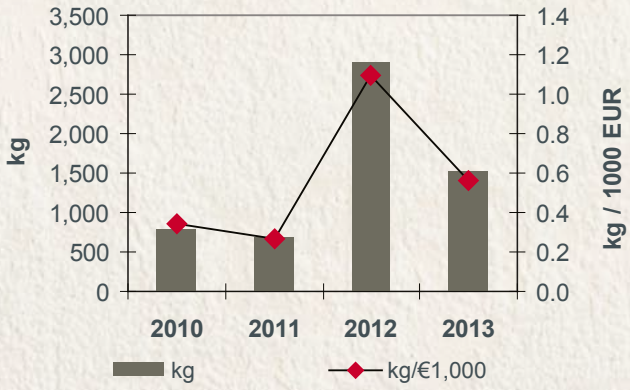
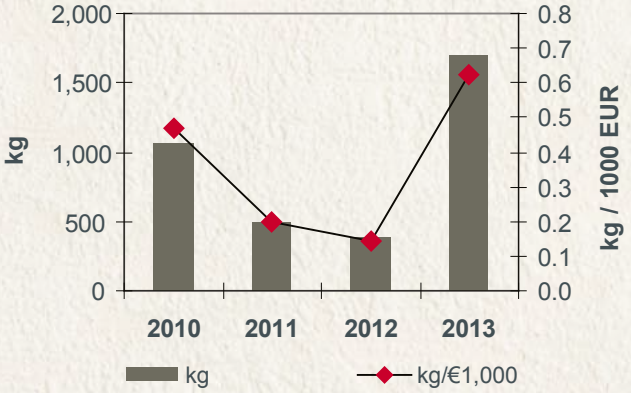


Figure 14. The generation of mixed municipal waste over the years.



In 2013, the generation of packaging waste increased about four and a half times both in total and per turnover unit.

Figure 15. The generation of packaging waste over the years.

In 2013, the total generation of packaging and mixed municipal waste decreased by 2% in total and 4% per turnover unit.

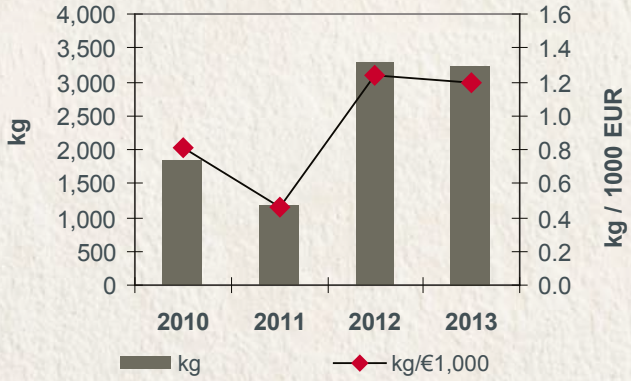
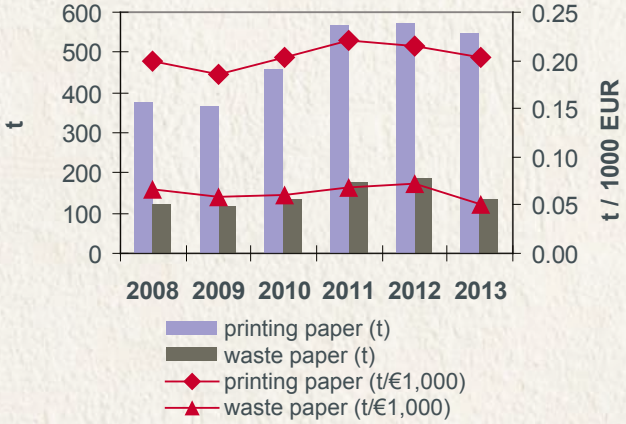


Figure 16. The total generation of mixed municipal waste and packaging waste over the years.



In 2013, the use of printing paper decreased by 4% in total and 6% per turnover unit. The generation of paper waste also decreased by 28% in total and 30% per turnover unit.

Figure 17. The generation of printing and waste paper over the years.

In 2013, the use of printing plates (m^2) decreased by 20% in total and 22% per turnover unit. The generation of metal waste (kg) also decreased by 21% in total and 23% per turnover unit.

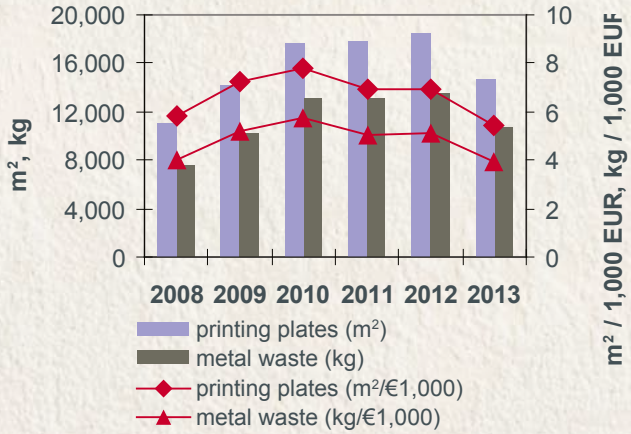
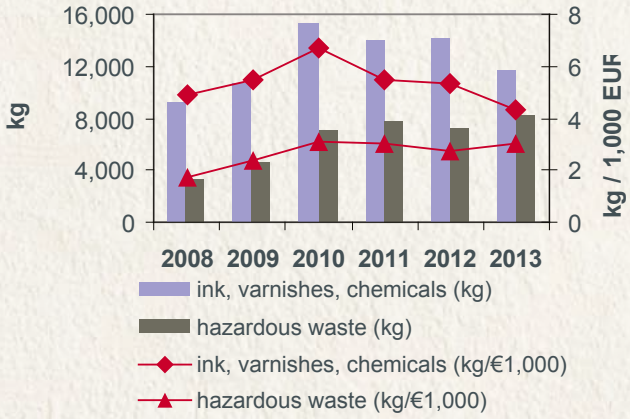


Figure 18. The use of printing plates and the generation of metal waste over the years.



In 2013, the use of ink, varnishes and chemicals decreased by 17% in total and 19% per turnover unit. However, the generation of hazardous waste increased by 14% in total and 11% per turnover unit.

Figure 19. The use of ink, varnishes and chemicals as well as the generation of hazardous waste over the years.

In 2013, the volume of the carriage of goods in tonne–kilometres decreased by 7% in total and 9% per turnover unit.

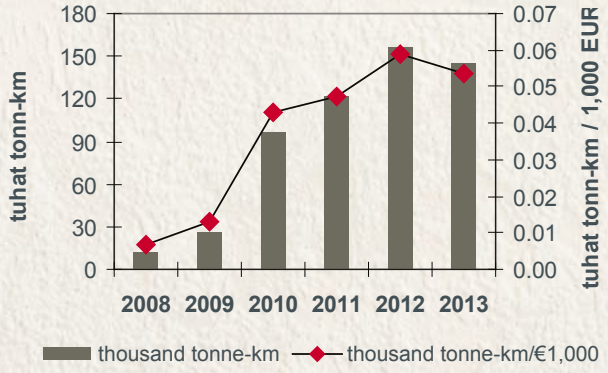
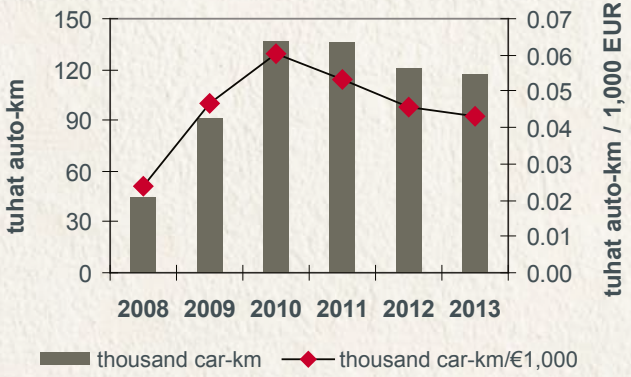


Figure 20. The volume of the carriage of goods over the years.



In 2013, the volume of car use for work-related purposes decreased by 2% in total and 5% per turnover unit.

Figure 21. The volume of car use for work-related purposes over the years.

In 2013, the amount of flight hours in connection with business trips abroad tripled in total as well as per turnover unit.

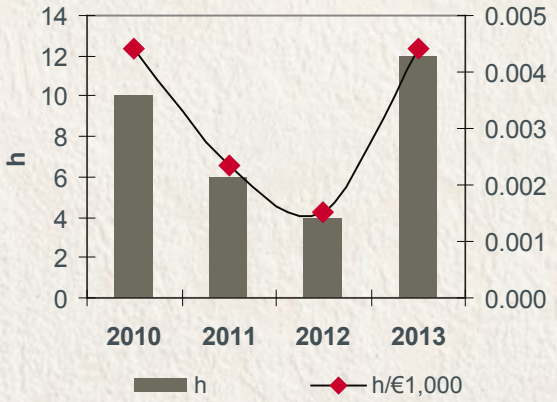


Figure 22. The amount of flight hours over the years.

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ENVIRONMENTAL RECOGNITION

Ecoprint has won the Environmental Award issued by the Ministry of Environment to the most environmentally friendly company in 2007, 2008 and 2009 in the fields of environmental management, environmental management systems, environmentally friendly printing services, and environmentally friendly production processes.

Further information: www.envir.ee/1100745

In 2008, Ecoprint was placed among the best three companies owing to its efficient environmental and quality management in the European Business Awards for the Environment (EBAE) competition organised by the European Commission.

Further information: ec.europa.eu/environment/awards/index.html

In 2010, the European Commission gave Ecoprint the Eco-Management and Audit Scheme (EMAS) award for being the most resource-efficient company in the category of small organisations.

Further information: ec.europa.eu/environment/emas/emasawards/index.htm

In 2013, Ecoprint was awarded the responsible business label for the fourth consecutive year, thereby maintaining the silver quality level in the Corporate Sustainability and Responsibility Index.

Further information: www.csr.ee

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