



History/Foundation

ZEOS is a non profit company founded on July 20th 2005 by main Slovenian producers and retailers of electrical and electronic equipments to comply with the obligations of its members as they are given by the European WEEE Directive. Shareholders are the 9 companies which themselves represent about 65 % of the Slovenian market in all 10 EEE categories.

ZEOS is in charge of the developing, implementing and managing a collective take-back system, including the treatment of waste electrical and electronic equipment. ZEOS is representing producers also for other issues like visible fee, financial guarantee, WEEE marking, HC question, POM issue, public relations, etc...

In 2009 ZEOS also started collective take-back system for waste batteries and accumulators and in 2013 also started collective take-back system for waste candles.

In 2013 ZEOS establish daughter company ZEOS eko-sistem in Bosnia and Hercegovina (www.zeos.ba). Since 2014 the company is operational and started collective take-back system for WEEE also in this country.

Legal Background

The WEEE directive has been transposed into Slovenian law on November 4th 2004 through "THE DECREE on treatment of Waste Electrical and Electronic Equipment".(the decree is applicable from November 2nd 2006 onwards) and Decree of environmental tax for Waste Electrical and Electronic Equipment. Transposition of new Directive 2012/19/EU is not finished yet.

Decree on treatment of waste batteries and accumulators is applicable from 15.8.2008.

ZEOS has been registered by the Slovenian Government in April 2006 and on 19th of April 2007 the ZEOS treatment plan on WEEE was accredited at Ministry of Environmental. Since then, all ZEOS members are registered in the national evidence. They have got environmental permits.

For waste portable batteries and accumulators ZEOS has been registrated on 20th of November 2009 and for waste candles on 10th of October 2013.

Start of operation

The take-back system ZEOS for WEEE as well as collection started March 2007. All ZEOS contract performers have proper environmental permits.

System for waste portable batteries and accumulators started in 2010 and in 2013 for waste candles.

WEEE categories covered

ZEOS take-back system will cover **all** the **categories** listed in the European Directive.

Members

At present ZEOS have more than 370 members, which represent together with shareholders about 62% of the Slovenian market of EEE put on the market (in weight) and more than 120 members for portable batteries and accumulators.

Financing system

ZEOS is financed by a contribution levied on producers. This contribution is calculated on the basis of products put on the Slovenian market (EUR/piece). There is no distinction between historical and new waste. A National Register is run by the Government. For the administrative costs for the register, producers have to pay an environmental tax to the custom department.

Collection system

ZEOS is organizing its collection system based on the 3 types of collection points:

- municipal collection points („container parks“) (70 points),
- producer collection points run by waste management companies (60 points) and
- distributor/retail collection points (more than 300 points).

From that points onwards ZEOS is responsible for treatment of WEEE, WPBA. ZEOS has to manage all statistics and information about material flow and reporting to the Ministry. Producers have to pay part of the collection costs to municipalities for which shall cover costs for the amortization of the container parks.

Logistic system

For the logistic system ZEOS have contract with existent logistic companies in Slovenia. They run the logistic system based on the rules and requirements prepared by ZEOS. Logistics is organized on base of logistic areas, one partner will be responsible for one area.

Treatment partners

ZEOS is charging treatment partners from national market and from abroad. One part, especially the treatment of cooling and freezing appliances, gas discharge lamps and the treatment of dismantled cathode ray tubes and batteries is done abroad. For the treatment of the rest of WEEE, ZEOS is using already existing infrastructure of Slovenia, also removing hazardous components from large and small appliances. Each specific logistic region is related to one treatment plant for each flow served by one logistic operator.

Expected results – amounts collected

In 2013 ZEOS collected and recycled approx. 6.100 tons of WEEE, i.e. 4,7 kg per inhabitant and 39 % of the quantities put on the market in previous three years. The target given for Slovenia is to collect 4 kg per citizen. Due to its market share (about 62 %), ZEOS is expected to collect about 7.100 ton of WEEE in 2014.

In 2013 ZEOS also collected 96 tons of waste portable batteries and accumulators. ZEOS is arranging all necessary administrative documents for new participants in his take-back scheme.

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