ENVIRONMENTAL RECOGNITION

The company

Strojírenský zkušební ústav, s.p.

collected and handed over in the year 2025

1 610 kg of electrical equipment

for recycling and thus saved



4 468 kWh
Electricity

1 160 kg
Primary Raw Materials

419 m³
Water

135 l
Oil

4 013 kg
CO_2

Together, we prevented generation of 7 932 kg of waste.

REMA SYSTÉM

We care about the environment

Every day we are surrounded by electronic devices that make our lives easier and more comfortable. Household appliances, smartphones, computers and laptops, cordless tools, battery-powered toys... But these useful helpers become e-waste when they reach the end of life and can constitute a hazard to the environment. End-of-life electrical equipment is currently the fastest growing category of waste in the world. Proper sorting, take-back and recycling provided by our reliable partner, REMA Systém, a.s. constitutes the e–waste treatment solution that we have selected.

The environmental recognition issued by REMA Systém, a.s., the collective system for the collection of waste electrical and electronic equipment, evaluates our specific contribution to material recovery increase and environmental protection in 2025. This long-standing and reliable partner has been efficiently providing us with the take-back and recycling of end-of-life electronic equipment.

Thanks to you, we handed over **1 610 kg of waste electrical equipment** last year and helped to ensure that this waste is neither disposed in landfills nor incinerated.

Through recycling, we have reduced the environmental impact of e-waste and generated savings which can be illustrated by examples:

4 468 kWh ELECTRICITY

Electricity is consumed in the production of e-equipment and in the extraction of primary raw materials. For example, one **household printer** taken back for **recycling** saves **1 kWh** of electricity**. This is equivalent to the amount of** electricity used by a combined **fridge-freezer** during more than **2 days of** operation.

1 160 kg PRIMARY RAW MATERIALS

Primary raw materials are all unprocessed natural resources that are extracted and used in the production of e-equipment. **Recycling** of a single 50 kg refrigerator **saves 34 kg of primary raw materials** that would otherwise have to be obtained by extracting and processing natural resources weighing over several hundred kilograms.

419 m^3 WATER

Water consumption in the production of any e-equipment includes the amount of water needed for raw materials extraction, cooling, cleaning and other activities associated with the production of any e-equipment. One **LCD TV** handed over for **recycling prevents pollution of 3m^3 of water**. This water amount exceeds the average **monthly water usage of one person**.

135 l OIL

Oil is consumed in the production of e-equipment and the extraction of primary raw materials. **As oil is a non-renewable energy source**, its consumption reduction is particularly important in terms of environmental impact.

4 013 kg CO_2

The reduction of greenhouse gases emissions can be illustrated by an example of one **washing machine**, the recycling of which **saves 68 kg of carbon dioxide (CO_2) emissions**. The same amount of CO_2 is produced by a petrol engine **car** when driven for **436 km**.

7 932 kg WASTE

Secondary raw materials originating from the **processing of collected end-of-life electrical equipment** prevented generation of waste during the extraction of primary raw materials.

Thank you for helping us protect the environment and preserve natural resources.

The Environmental Report was prepared by the collective system REMA Systém, a.s., in cooperation with CI3, s.r.o.

The stated values represent a model calculation of the environmental benefits achieved through the take-back and recycling of waste electrical equipment facilitated by REMA Systém, a.s. during the reporting period. The results relate exclusively to this specific activity and do not include other activities of the recipient or the full life cycle of its products and services, and they do not represent an assessment of overall environmental performance or carbon footprint.

The calculation is based on the quantity of waste electrical and electronic equipment collected, its treatment data and material recovery, and conversion factors derived from relevant methodological sources and life cycle assessment (LCA) approaches. It does not represent direct measurement of impacts but an expert estimate based on available data and methodological assumptions. The calculation methodology is available upon request from REMA Systém, a.s.

This report does not constitute certification of environmental performance and is not intended for comparison with other entities.