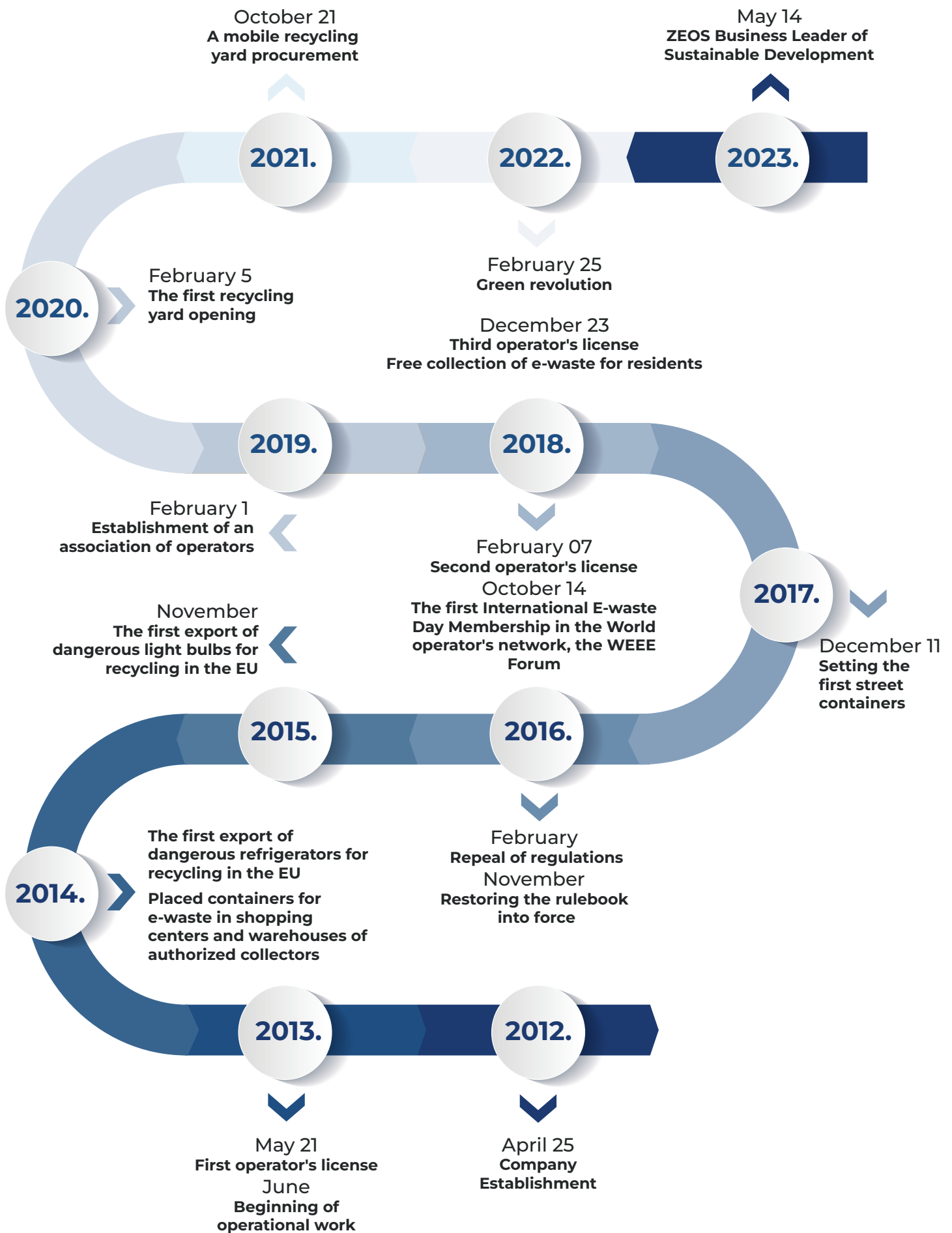


Annual Report

2023





Electrical and electronic waste (e-waste) is the fastest-growing waste stream in developed countries, fueled by the widespread ownership of electrical and electronic devices that quickly become obsolete. Globally, around 50 to 60 million tons of e-waste are generated each year, with only about 20% being recycled according to a UN report.

Depletion of natural resources, toxic materials harming the environment, and continuous waste growth pose primary challenges in waste management. ZEOS eko-sistem Ltd. has taken a leading role in addressing these issues in Bosnia and Herzegovina as the first operator of waste electrical and electronic equipment management system in the country. Our focus is on efficient waste collection to minimize landfill waste and increase recycling rates. Over the past 11 years, we have managed to collect nearly 22.5 thousand tons of e-waste nationwide, making a significant contribution to environmental protection.

Our annual report for 2023 provides a detailed analysis of our activities, including information on the collection of electrical and electronic equipment, infrastructure, achievements, projects, sustainable practices, and plans for 2024. We invite you to read our annual report and join the initiative to conserve natural resources through the recycling of waste electrical and electronic equipment.

All data presented in the report have been carefully analyzed based on available information. The report is available in PDF format on our website: www.zeos.ba.

LEGEND



E-EQUIPMENT
electrical and electronic equipment



E-WASTE
waste of electrical and electronic equipment



LHA
waste of large household appliances



SHA
waste of small household appliances



RA
waste of refrigerating appliances (refrigerators and freezers)

Rulebook

Rulebook on waste electrical and electronic product management (Official Gazette of Federation BiH, No. 23 of March 13, 2023).

LAW

Law on Waste Management (Official Gazette of Federation BiH, 33/03, 72/09 and 92/17).

SYSTEM CLIENTS

Manufacturers, importers and distributors of electrical and electronic equipment, marketing for the first time electrical and electronic equipment in the Federation of Bosnia and Herzegovina.

SYSTEM OPERATOR

A company that ensures the system clients pay lower e-waste management fees, carries out administration for reporting, provides support by informing on the legislation, manages electrical and electronic waste, authorised by the FBiH Ministry of Environment and Tourism pursuant to the Law and Rulebook.

RECYCLER

Collector of electrical and electronic waste, the legal person collecting and processing electrical and electronic waste, authorised by the system operator.

Content

Director's Foreword	5
Business Strategy of ZEOS eko-sistem Ltd.	6
Company Organisational Structure.....	7
Sustainable Business Operation	8
Value Creation Model	9
ZEOS eko sistem Ltd. Leader of Sustainable Development.....	10
Services	11
Eco Family	11
ZEOS eko-sistem Ltd. in Numbers	12
Infrastructure.....	16
Projects	18
Call to Action.....	23
Publication Information	24

6



Business Strategy of ZEOS eko-sistem Ltd.

8



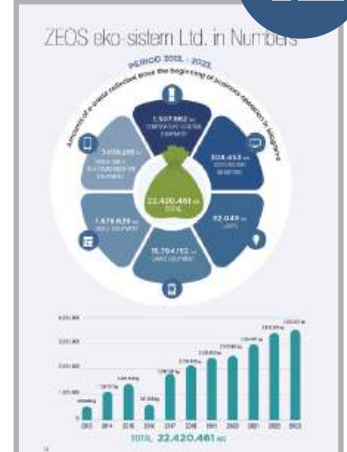
Sustainable Business Operation

10



ZEOS Leader of Sustainable Development

12



ZEOS eko-sistem Ltd. in Numbers



Dear readers,

In the past year, ZEOS eko-sistem Ltd. continued its mission of commitment to collecting e-waste and raising awareness about proper e-waste management among users. We are pleased to highlight that in 2023, we have met the goals set forth in the regulations and made significant strides, achieving numerous results through collaboration with our partners and system members.

Our network has expanded and now includes 23 municipal companies and 14 collectors and processors of e-waste. With 496 e-waste disposal locations, including 363 located at legal entities and 133 public e-waste collection points, we continue to ensure waste disposal availability nationwide. We have invested in infrastructure, with 879 infrastructure units, of which 799 have been deployed. The amount of waste collected in 2023 is 3,523,201 kilograms, achieving a 94% coverage rate of municipalities with e-waste collection infrastructure in the Federation of Bosnia and Herzegovina. Free collection and disposal of e-waste from business or household addresses is no longer a “myth” but a regular free service provided by ZEOS eko-sistem Ltd.

Since the beginning of our operational activities, our commitment to educating and informing the public has encompassed 755 schools through various projects, involving a total of 214,000 students in activities, and informing 857,000 citizens on average annually.

We are proud to have received the prestigious Sustainable Business Leaders Award in Bosnia and Herzegovina for 2023 in the micro-enterprise category for “Resources and Environment”.

This award is a recognition of our commitment to environmental conservation and sustainable development, further motivating us to continue our work and innovations.

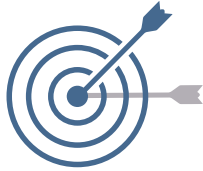
We are also proud to note that we have received a positive financial auditor’s report, affirming our transparency and responsible financial management.

I extend my gratitude to all our partners, network members, and employees for their dedication and support.

*Mag. Emil Šehić,
Director*

Business Strategy

ZEOS eko-sistem Ltd.



PURPOSE

Management of waste electrical and electronic equipment following the principles of sustainable and circular economy.



VISION

Maintain the leading position of the operator of waste electrical and electronic equipment management system in Bosnia and Herzegovina and promote a society that effectively uses resources, minimizes waste, and protects the environment for future generations.



MISSION

Creating long-term value for our clients, employees, and stakeholders through funding, management, improvement, and promotion of e-waste disposal and recycling processes in accordance with legal regulations while respecting environmental protection and sustainable development of e-waste disposal processes for system obligors and all other holders.



Company Organisational Structure

BOARD OF DIRECTORS



ZEOS d.o.o.
Ljubljana



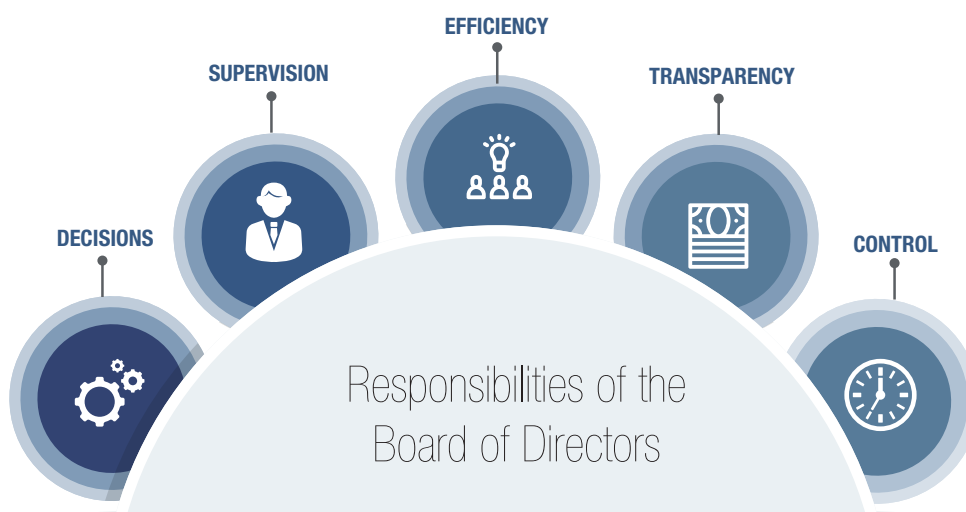
Gorenje Commerce
d.o.o. Sarajevo



Mercator BH d.o.o.
Sarajevo



General servis d.o.o.
Sarajevo



EMIL ŠEHIĆ

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Marketing and Projects
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Elvedina Muratović

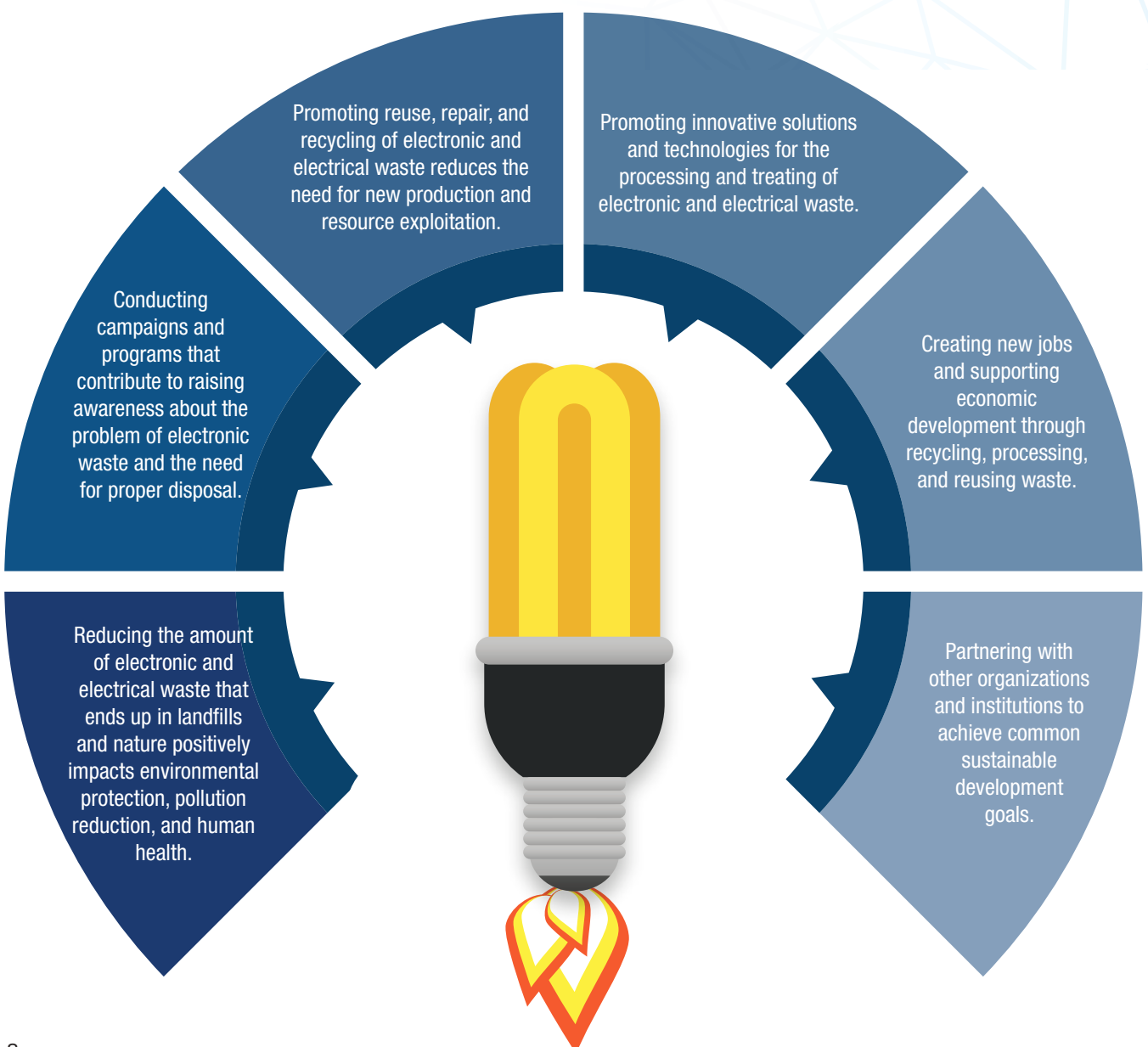
Administration
Tel: +387 33 628 606
elvedina.muratovic@zeos.ba

Sustainable Business

At ZEOS eko-sistem Ltd. we recognize the importance of sustainable business practices and have integrated sustainability principles into all aspects of our operations. Thanks to our dedicated work and continuous commitment, we proudly highlight that we have been awarded important Sustainable Business Leaders Award for 2023 in the micro-enterprise category for “Resources and Environment.”

Our central strategy for achieving sustainability focuses on establishing effective communication and partnerships with diverse stakeholders, including users, government institutions, electronic device manufacturers, and other business entities. Through transparent and inclusive communication, we actively share information about our initiatives and emphasize the importance of sustainable solutions for managing e-waste. Furthermore, we are actively building partnerships with organizations that share the same values and goals in promoting sustainable development. Through these partnerships, we innovate and implement efficient strategies for e-waste management, contributing to sustainable business practices in the market of Bosnia and Herzegovina.

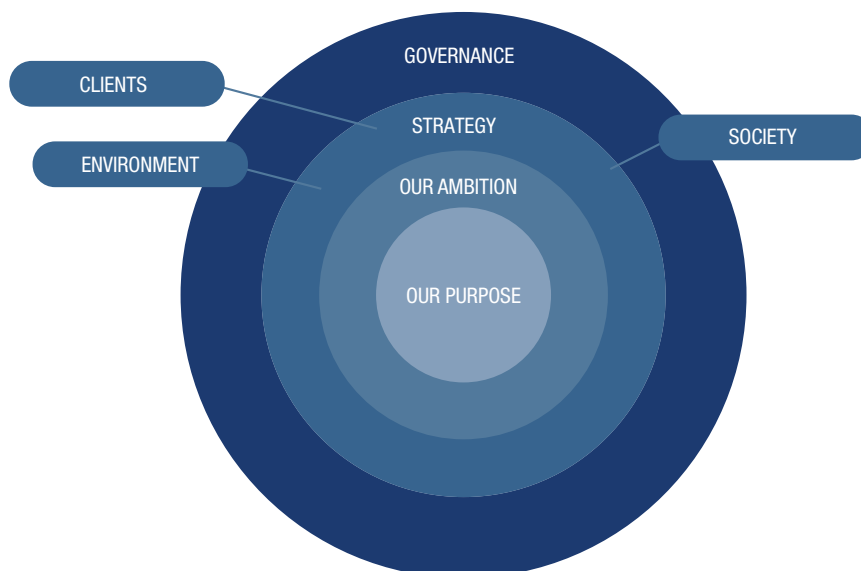
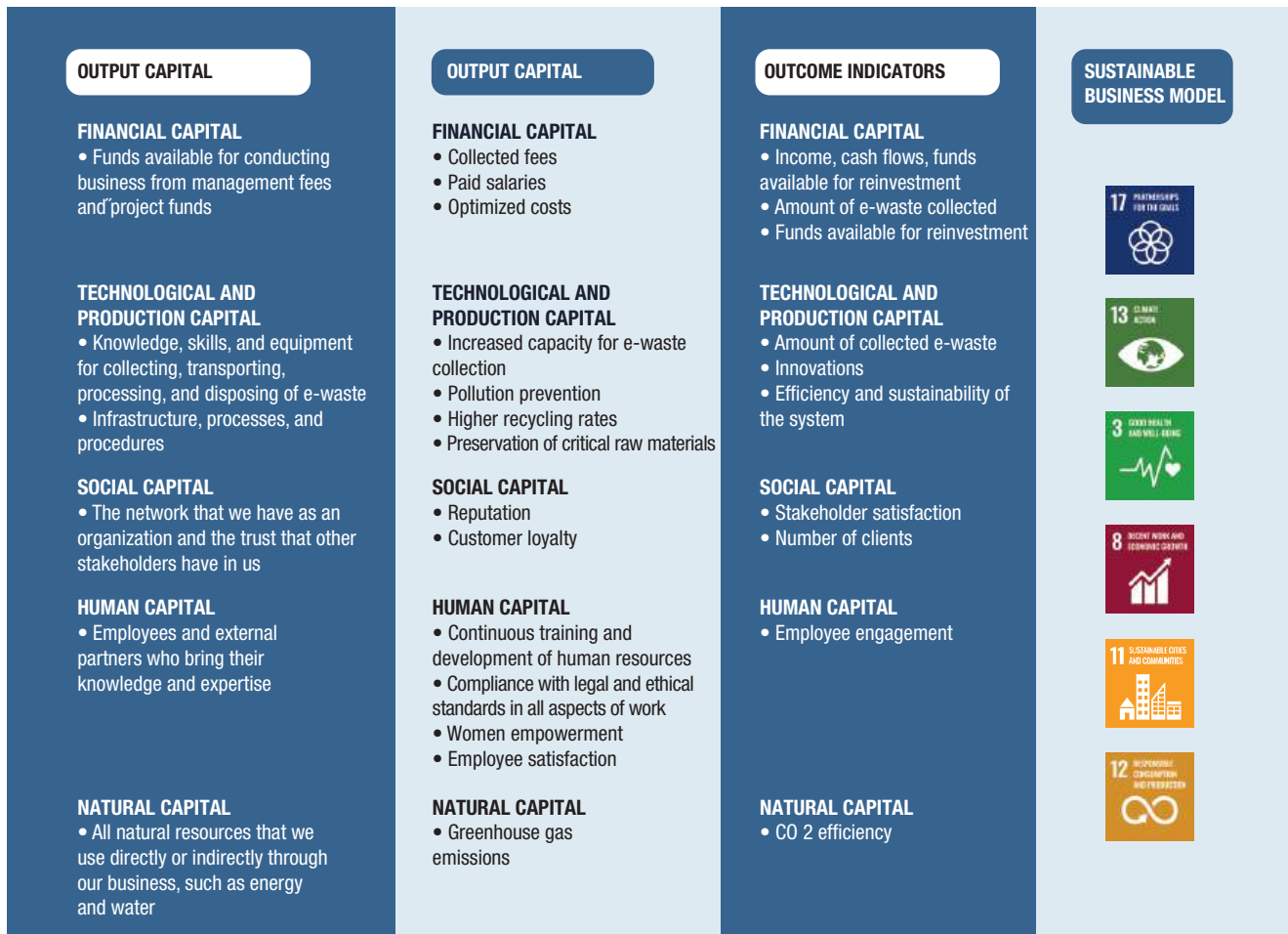
As an operator of electronic and electrical waste, ZEOS eko-sistem contributes to achieving sustainable development goals in the following ways:



Value Creation Model

The presented infographic illustrates how we create value for our company, the environment, and society.

Our mission and vision, based on our adopted development strategy, are at the core of our activities. We leverage the synergy of various resources, conscious of the risks and opportunities in our daily operations. We set ambitious goals and implement them, acting in line with our values in our everyday work. For us, creating value means fostering sustainable, long-term growth and maintaining long-lasting relationships with stakeholders.



ZEOS eko-sistem Ltd. Business Leader of Sustainable Development in BiH for the Year 2023

ZEOS eko-sistem Ltd. is proud to announce that we have been recognized as the business leader in sustainable development in BiH for the year 2023, a significant achievement in our ongoing commitment to environmental preservation and sustainable development.



This award, part of the program “Translating the SDG Framework in Bosnia and Herzegovina into sustainable and inclusive growth” (SDG2BIH), was financed by Sweden and implemented by UNDP in partnership with UNICEF and the UN Women, as UN support to the authorities in Bosnia and Herzegovina during the implementation of the Framework for implementation of the Sustainable Development Goals.

The annual award for business leaders in sustainable development is a testament to the significant role of the private sector in promoting and engaging in sustainable development efforts in Bosnia and Herzegovina.

This time, the prize for 2023 was focused on businesses that create and retain

quality jobs and actively reduce their environmental impact. ZEOS eko-sistem Ltd., our organisation, which operates on a not-for-profit basis, was selected as the winner among the micro sector companies in the “Resources and Environment” field.

We aim to ensure a stable and sustainable system for collecting and disposing of electrical and electronic waste. Through our activities, we return critical and valuable raw



materials to the new production process, and dangerous chemical substances we take care of it by ecological regulations. This award is a recognition of our dedicated work in environmental preservation and the improvement of sustainable development.

E-Waste as a Resource: Key Role in the Circular Economy

E-waste management is gaining increasing importance as a key factor in promoting the circular economy. Recycling electronic waste is not only a way to reduce ecological footprints but also an efficient method for reclaiming valuable raw materials. Electronic waste, which encompasses everything from old mobile phones to outdated computers, can be transformed into useful resources through proper recycling processes. This not only contributes to the preservation of natural resources but also reduces the need for the exploitation of new raw materials, thereby protecting the environment.

SERVICES

ZEOS eko-sistem Ltd. operates as a waste management operator for electrical and electronic products in accordance with legal regulations. Importers, manufacturers, and distributors can fulfil legal obligations at lower prices by paying fees for placing such equipment on the market. The operator is responsible for the disposal of electrical and electronic waste and operates in a way that does not involve the payment of profits to owners. Instead, all profits are used for the performance and development of the core business.

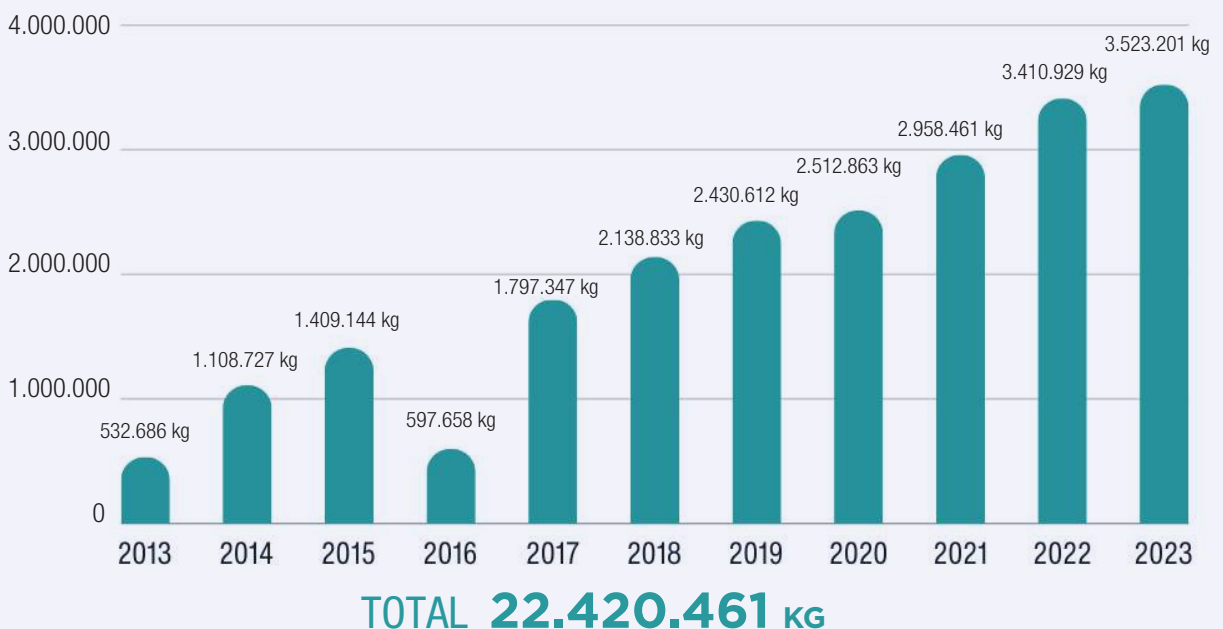
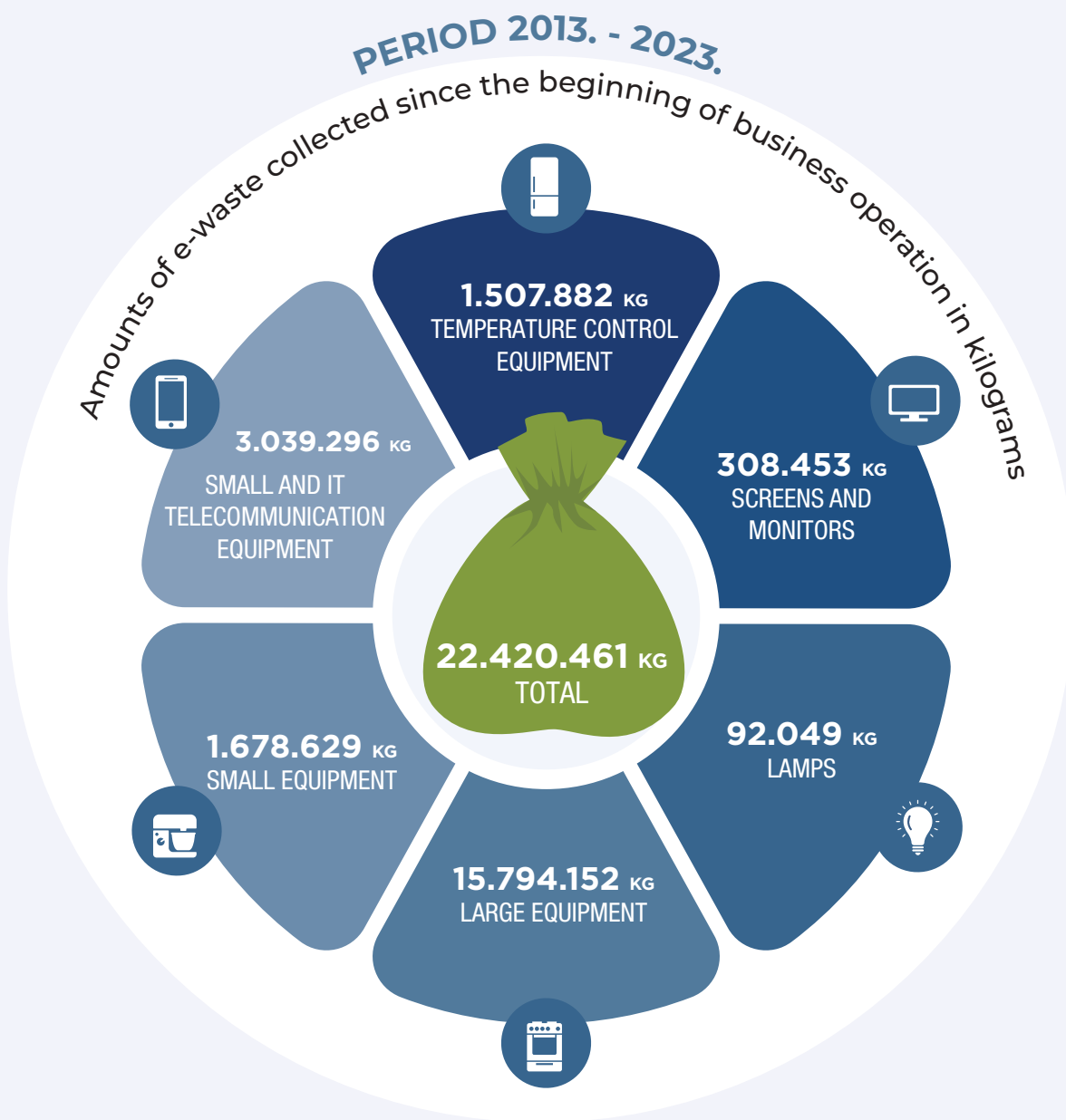
ZEOS eko-sistem Ltd. as the authorized waste management operator enables:

- ✓ Free collection of electrical and electronic waste for companies and residents
- ✓ Proper documentation on the collection of e-waste and the flow of waste
- ✓ Information about the method of recycling, the existing infrastructure with the organization of campaigns to strengthen public awareness about environmental protection, as well as a campaign for the collection of e-waste
- ✓ Infrastructure and efficient models for e-waste collection
- ✓ The transfer of responsibility by importers, distributors, and equipment manufacturers sold in the Federation of Bosnia and Herzegovina, according to the “extended responsibility” principle.

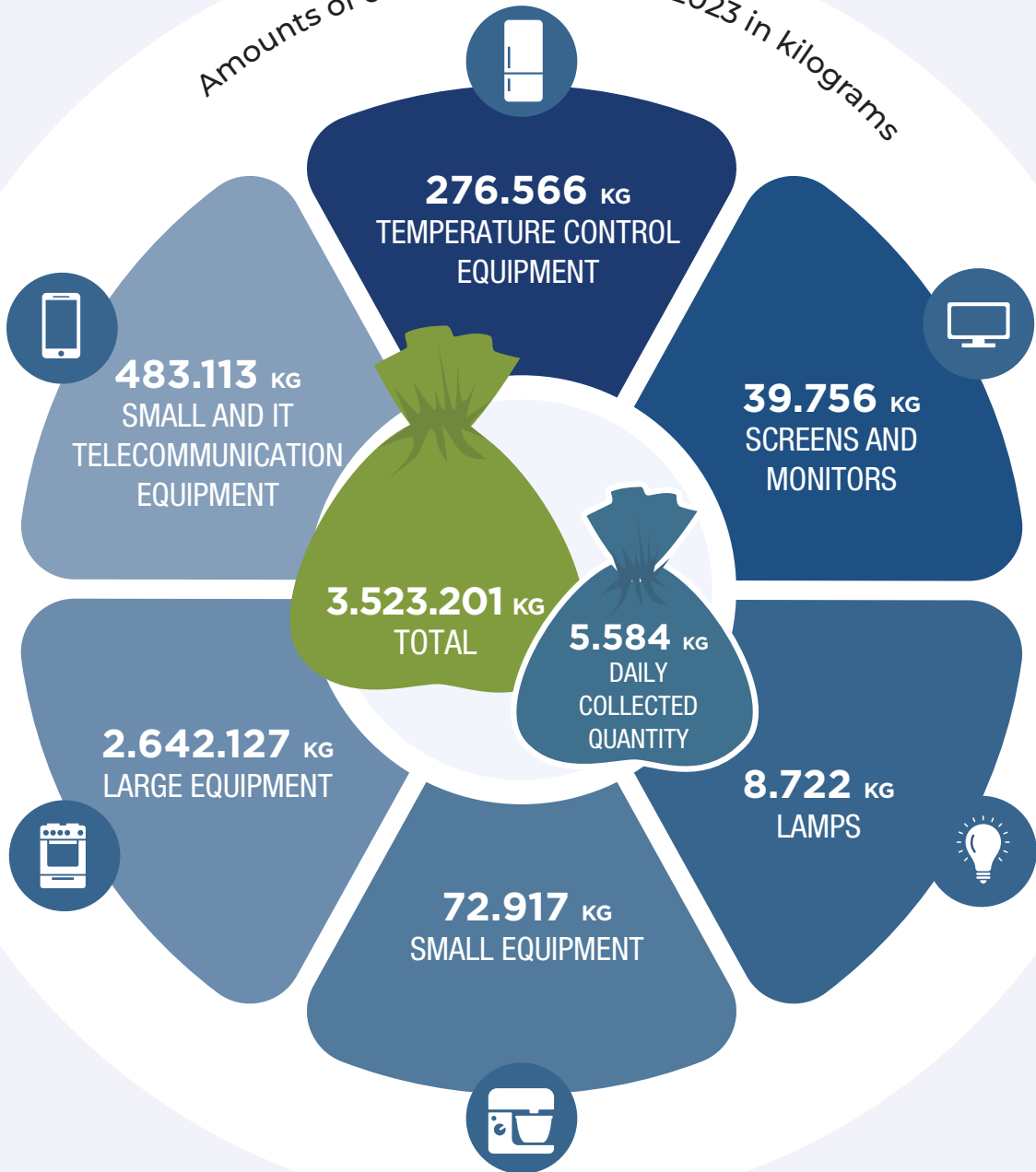
OUR ECO FAMILY OF RESPONSIBLE COMPANIES

● ABC SPORTING d.o.o.; abias d.o.o. Tešanj; ADTEXO d.o.o.; AGROMEHANIKA-KOMERC D.O.O.; ALARM AUTOMATIKA d.o.o.; ALFA CAR d.o.o. Sarajevo; ALFA THERM d.o.o. Mostar; ALPEKS d.o.o. Sarajevo; AMD SCANTO - BRČKO d.o.o.; AMDŽ-ELEKTRON DOO BIHAĆ; AMT-METRIKS d.o.o.; AN-GO Frigo Electric d.o.o.; AN-KA d.o.o. Sarajevo; ANNOA d.o.o. Tuzla; ARCHITEKTENGRUPPE S 71 d.o.o. Sarajevo; ARGON SISTEMI d.o.o.; ASEE d.o.o. Sarajevo; AT Store d.o.o. Sarajevo; ATOM DISTRIBUTION d.o.o. Laktaši; AUDIO TEAM d.o.o. Čitluk; AUTOMATIC SERVIS d.o.o.; Automating ATC d.o.o. Tuzla; AVTERA BH d.o.o. Sarajevo; AX SOLING D.O.O.; ● B & G d.o.o. Sarajevo; Bajsik d.o.o. Sarajevo; Banjalučka pivara a.d. Banja Luka; BBS d.o.o. Sarajevo; Bent excellent d.o.o. Sarajevo; BIASSCO d.o.o. Usora; BILI BRIG d.o.o. GRUDE; BINGO d.o.o. Tuzla; Biomedica d.o.o. Sarajevo; BIRO COMMERCE d.o.o. Odžak; BLITZ-CINESTAR d.o.o. Sarajevo; Bosnalijek d.d.; BROTHERS D.O.O. Ljubuški; BS TS d.o.o. Sarajevo; ● CARLSBERG BH d.o.o. Sarajevo; CC HBC B-H d.o.o. Sarajevo; CLIMA-TRADE d.o.o. Sarajevo; Commerce Engineering d.o.o. Mostar; COMPLEX d.o.o. Sarajevo; Comtrade distribution d.o.o. Sarajevo; CONFIG d.o.o. Mostar; CPU d.o.o. Cazin; CROM BH d.o.o. SARAJEVO; ● DARA d.o.o. Posušje; Deichmann obuća d.o.o.; Deling d.o.o. Tuzla; DELTRON d.o.o. Sarajevo; DEMA & S EXPORT-IMPORT d.o.o. Mostar; DENTA DE d.o.o. Sarajevo; DIAMEDIC d.o.o. Sarajevo; DIMOTEL d.o.o. POSUŠJE; DISTI d.o.o. Sarajevo; dm drogerie markt d.o.o. Sarajevo; DOMOD d.o.o. Sarajevo; DOO MEGA CENTAR Sanski Most; DREAM-SAT D.O.O.; ● DŽANIĆ KOMERC D.O.O.; Dženex d.o.o. Tuzla; ● Einhell BiH d.o.o. Vitez; EL Pharma d.o.o.; ELCOM d.o.o. Tuzla; ELEKTRO CENTAR d.o.o. Čitluk; ELEKTRO-JURIĆ d.o.o. MOSTAR; ELEKTRO-MILAS d.o.o. Ljubuški; Elko-Maric d.o.o. Mostar; ELMARK GROUP d.o.o.; ELSA TRADE d.o.o. Sarajevo; ELUMATEC MASCHINEN d.o.o. Bihać; ENERGOINVEST-SUE d.d.; ETI Sarajevo, d.o.o. Iliđa; EXCLUSIVE NETWORKS BH doo Sarajevo; ● Farma d.o.o. Sarajevo; Farmavita d.o.o. Sarajevo; FERRO-PACK d.o.o. Vitez; FMI 2001 d.o.o. Čitluk; FOTO PRINT ŽUNIĆ D.O.O.; FRIGOTERM d.o.o. Mostar; ● GAMA-ELECTRONIC d.o.o. ŽEPČE; Gastro Tehnika d.o.o.; GEMMA BH d.o.o.; General Engineering d.o.o.; GENERAL SERVIS D.O.O.; GOLDTIME d.o.o. Sarajevo; Gorenje Commerce d.o.o. Sarajevo; GRAFOTISAK d.o.o. GRUDE; GRIĆ d.o.o. Široki Brijeg; ● HAGER d.o.o. Sarajevo; HENKEL BH d.o.o. Sarajevo; Hilty systems BH d.o.o. Sarajevo; HKB net d.o.o. Sarajevo; HTL d.o.o.; ● I-CRNI d.o.o. Cazin; IMTEC d.o.o. Sarajevo; INEL BH d.o.o. Maglaj; INEL d.o.o. Mostar; Inel-med d.o.o.; INFO-KOD d.o.o. Travnik; INFONET d.o.o.; Inter-com d.o.o. Zenica; INTERSPORT BH d.o.o. Sarajevo; Iskraemeco Sarajevo d.o.o.; ITALGROUP d.o.o. Sarajevo; ITD d.o.o. Sarajevo; ● Julius Meini BH d.o.o.; JUMO BH d.o.o. Doboj Istok; JYSK d.o.o. Sarajevo; ● Kablovska televizija HS; KAMER COMMERCE d.o.o. Sarajevo; KB d.o.o. Mostar; Kid zone d.o.o.; KM TRADE d.o.o.; KODEKS d.o.o. Sarajevo; KONICA MINOLTA POSLOVNA RJEŠENJA BH D.O.O.; KONZUM d.o.o. Sarajevo; ● Lafat komerc d.o.o.; LATEX d.o.o. Cazin; LEDO d.o.o. Čitluk; LOGOSOFT d.o.o. Sarajevo; LUK d.o.o. Sarajevo; Luminos d.o.o. Sarajevo; ● M.A.L. GRIZELJ D.O.O.; MACLINE D.O.O. Sarajevo; MANEDRA-COMPANY d.o.o. Mostar; MARCAFFE d.o.o.; Mars - 97 d.o.o.; MASTER-H d.o.o. Sarajevo; MASTERLINE d.o.o. Sarajevo; Maxhof Gruppe d.o.o.; MB FRIGO Klima i hladenje d.o.o.; MEDICAL D.O.O.; MEDICAL INTERTRADE d.o.o. Sarajevo; M-electric d.o.o. Sarajevo; MERCATOR BH d.o.o. Sarajevo; MES d.o.o. Zenica; MESC d.o.o. Sarajevo; MIBO KOMUNIKACIJE d.o.o. Sarajevo; MICOM BH D.O.O.; MIDDLE POINT ELECTRONICS d.o.o. Sarajevo; MIDNES d.o.o.; MIKRO+POLO d.o.o. Sarajevo; MIVIKO d.o.o.; MLJEKARA LIVNO d.o.o. LIVNO; MOBIS ELECTRONIC d.o.o. Sarajevo; Molson Coors BH d.o.o. Banja Luka; Montre d.o.o.; MORE FOR LESS d.o.o.; Mtel, a.d. Banja Luka; ● NEONEX d.o.o.; Network d.o.o. Sarajevo; New Yorker BH d.o.o. Sarajevo; NEX STUDIO d.o.o.; NOBEL CORPORATION d.o.o. Mostar; NPL Project d.o.o.; Nuić autodijelovi d.o.o.; NUIĆ d.o.o. Ljubuški; ● OC IMP Klima d.o.o. Sarajevo; OMEGA PANELI d.o.o. Mostar; OPUS d.o.o. Mostar; ORACLE BH d.o.o. Sarajevo; ORBICO d.o.o. Sarajevo; ORBITER G d.o.o. Grude; Oxint d.o.o. Tuzla; ● P.Z.VINO-DUHAN-VOĆE P.O.; Payten d.o.o. Sarajevo; PC ONER d.o.o. Lukavac; PC Plus d.o.o. Sarajevo; PENNY PLUS d.o.o. Sarajevo; PEPCO B-H d.o.o.; PLANET d.o.o. Posušje; PLANKOS ALATI d.o.o. Livno; PORIN D.O.O.; PRINTEX d.o.o. Sarajevo; PROMA d.o.o. Sarajevo; PROMET-TEHNO d.o.o. Bihać; ● R.TIME d.o.o. Sarajevo; RIF d.o.o. Široki Brijeg; Roaming Electronics d.o.o. Banja Luka; ROX d.o.o. za promet i usluge; ● Salon bankarske opreme d.o.o. Sarajevo; SARAJEVSKA PIVARA d.d. Sarajevo; SARAJEVSKI KISELJAK d.d. Kiseljak; SARTORIUS LIBRA ELEKTRONIK D.O.O. SARAJEVO; SAŠA-TRADE d.o.o. Doboj; SATTRAKT d.o.o. Sarajevo; SCHACHERMAYER d.o.o. Sarajevo; Schrack Technik BH d.o.o. Mostar; SEDŽAN-INGENERING d.o.o. Sarajevo; Servis Čović d.o.o. Čitluk; SERVIS JELIĆ d.o.o. Široki Brijeg; SHIMADZU d.o.o. Sarajevo; SICON SAS d.o.o. Tuzla; Silk trade d.o.o. Tešanj; SIM IMPEX d.o.o. Banja Luka; SOFTNET d.o.o. Sarajevo; Sonra d.o.o.; Spanish Market d.o.o. Sarajevo; SQS d.o.o. Sarajevo; STUDIO-MODERNA d.o.o. Sarajevo; SYS Company d.o.o. Sarajevo; SYSTECH d.o.o.; ● ŠPICA SYSTEMS d.o.o. Sarajevo; ● TC-LINK d.o.o. Čitluk; TDR d.o.o. Sarajevo; TECHNING d.o.o. Sarajevo; Tehnodelo d.o.o. Sarajevo; TEHNO-MAG d.o.o. Orašje; TEHNOPAK d.o.o. Tuzla; Telemach d.o.o. Sarajevo; TELEPLUS d.o.o. Mostar; TEP-LIGHT d.o.o.; Teve Varnost Elektronika d.o.o. Visoko; Tipteh d.o.o. Sarajevo; TOOL EXPERTS d.o.o. Sarajevo; TRGOŠPED D.O.O.; TRING d.o.o.; TRONEX d.o.o. Orašje; TVIN-KOMERC d.o.o. SARAJEVO; ● Umbrella Corporation BH d.o.o.; UNA LJJEK d.o.o. Sarajevo; UNATEL d.o.o. Bihać; UNIBOX d.o.o. Mostar; UNIKOMERC d.o.o. Mostar; UNIOR TEHNA d.o.o. Sarajevo; UNIS Telekom d.d. Mostar; Univerzalno d.o.o. Sarajevo; ● VELLUX BH d.o.o.; VERSO d.o.o. Sarajevo; VIDIAMOBIL d.o.o. Posušje; Vitapur d.o.o. Sarajevo; VOKEL d.o.o. Posušje; ● WATCH LINE d.o.o. Sarajevo; WIDEX SA d.o.o. Sarajevo; WURTH BH d.o.o. Sarajevo; ● XENON FORTE d.o.o. Sarajevo; ● YIMOR d.o.o. Brčko; YIMOR d.o.o. Domaljevac; ● ZEKA-COMERC d.o.o. Gračanica; ZEOS d.o.o. - Podružnica; ● ŽANA-COMMERCE d.o.o. Posušje

ZEOS eko-sistem Ltd. in Numbers



Amounts of collected e-waste in 2023 in kilograms



23
UTILITY
COMPANIES



14
COLLECTORS AND
PROCESSORS
OF E-WASTE



496
TAKEOVER
LOCATIONS

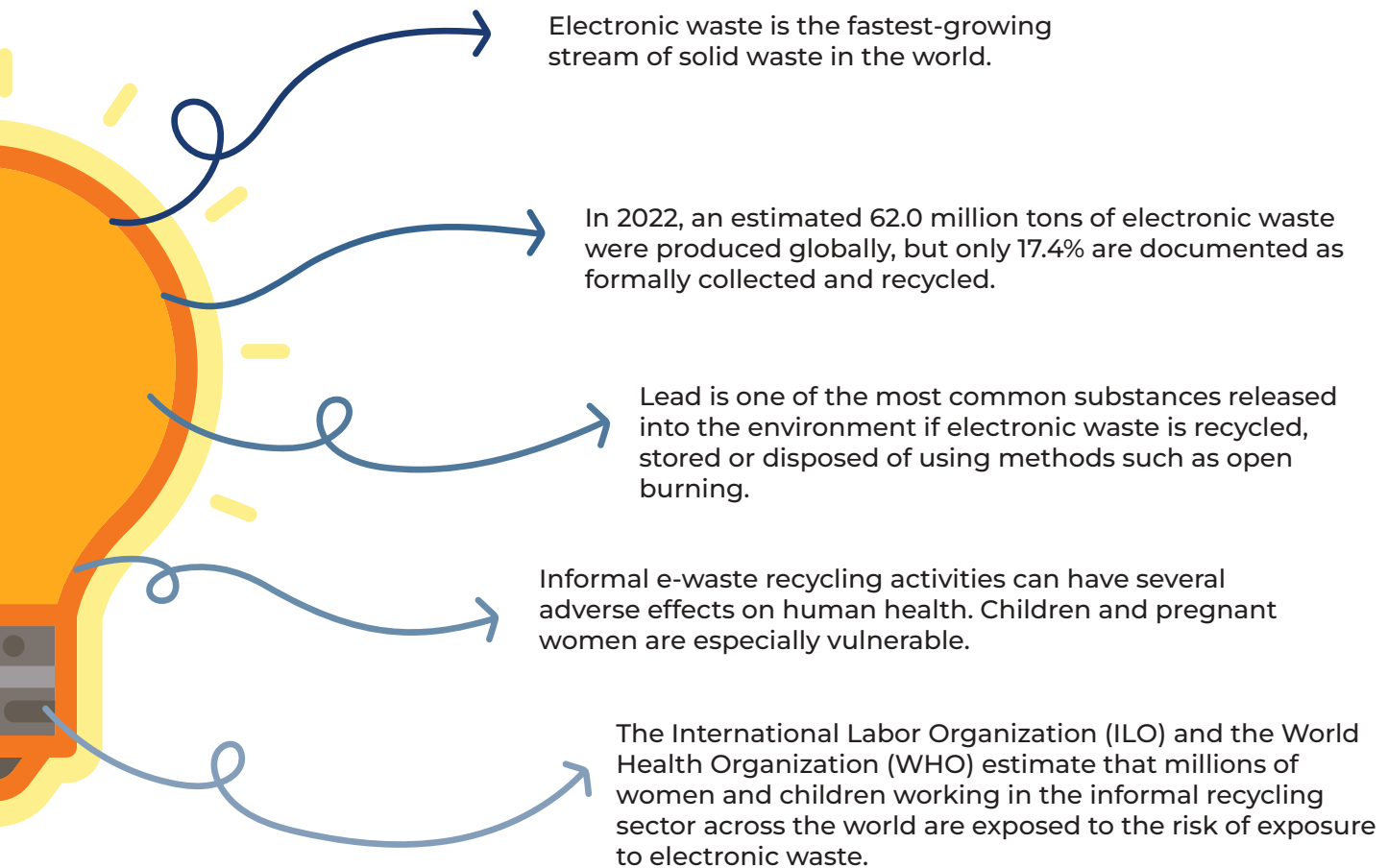


326
TAKEOVER LOCATIONS
AT LEGAL ENTITIES



133
PUBLIC LOCATIONS
FOR COLLECTION
E-WASTE

Key Facts

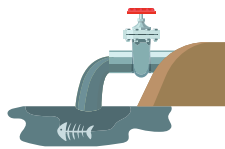


THE NEGATIVE IMPACT OF E-WASTE on Human Health, Environment, and Biodiversity



TOXIC SUBSTANCES:

Many electrical and electronic devices contain hazardous materials such as lead, mercury, cadmium, brominated flame retardants, and other chemicals. Improper disposal or processing of e-waste can release these substances into the environment and contaminate soil, water, and air, posing a risk to the health of people and animals that come into contact with these polluted resources.



SOIL, WATER, AND AIR POLLUTION:

Improper disposal of e-waste, such as dumping devices in landfills or burning them, can cause soil, water, and air pollution. Toxic substances from waste can seep into the soil and groundwater, contaminating drinking water sources and ecosystems. Burning e-waste can release toxic gases and particles that pollute the air and pose a risk to respiratory and other health problems.



LOSS OF NATURAL RESOURCES:

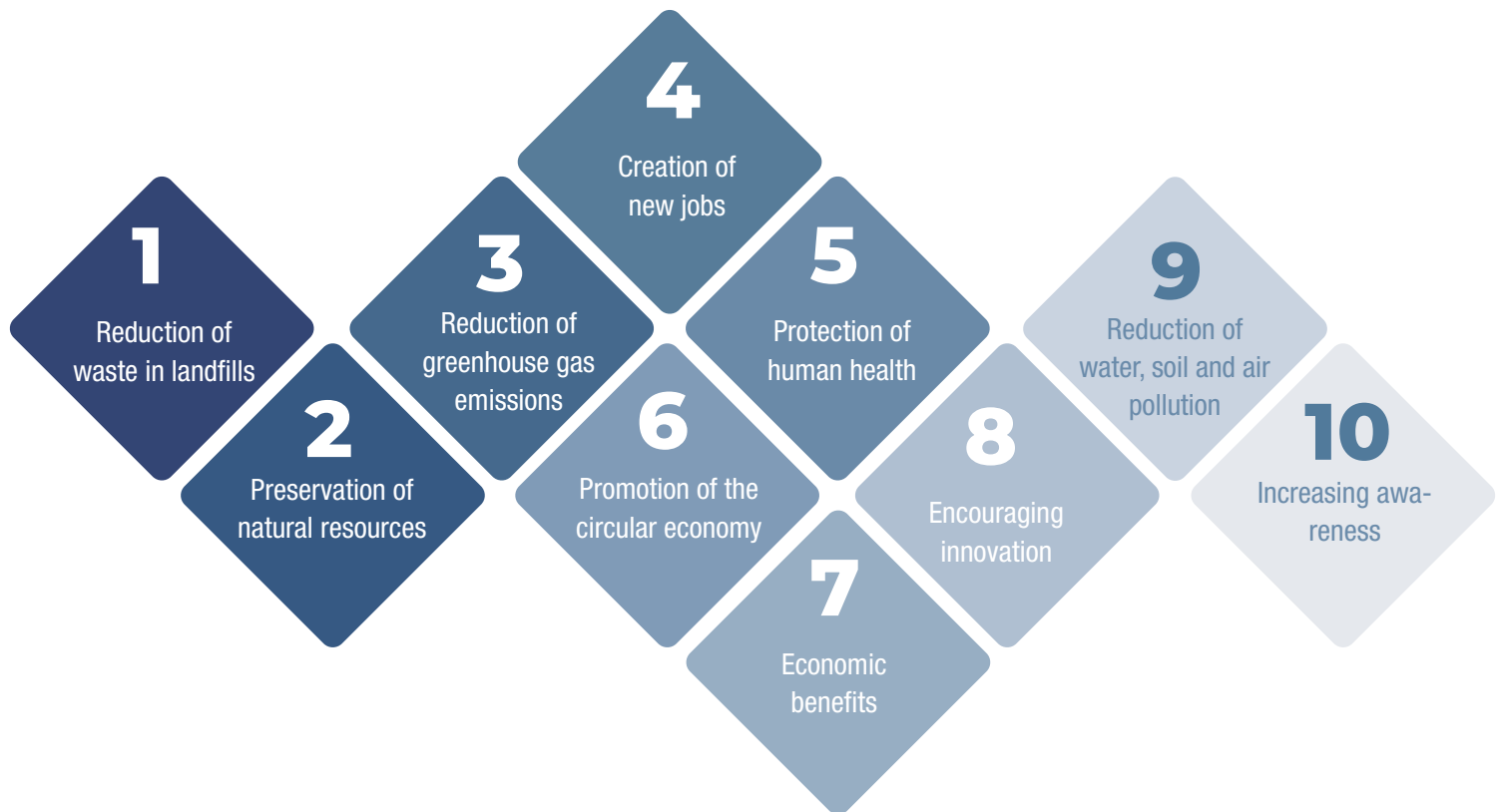
Producing electrical and electronic devices requires significant amounts of natural resources such as metals, minerals, and rare earth elements. Insufficient e-waste recycling leads to increased demand for new raw materials, which leads to the exploitation of natural resources, depletion of these resources, and potential conflicts over access to limited resources.



LOSS OF BIODIVERSITY:

E-waste pollution can harm plant and animal life, leading to the loss of biodiversity. Soil, water, and air contamination damage ecosystems, and toxic substances can accumulate in organisms and be transmitted through the food chain, with long-term consequences for plant and animal populations.

10 Benefits of E-Waste Recycling



There are many e-waste storage locations in Bosnia and Herzegovina. The ZEOS ekosistem Ltd. has prepared an interactive map showing all recycling point locations.

<https://shorturl.at/yeKWH>

Additionally, ZEOS offers a free door-to-door collection service for all companies and citizens.

<https://shorturl.at/kq0Ww>



SCAN ME



Infrastructure for E-Waste Collection



101

WASTE LAMPS PALLETS

133

STREET CONTAINERS



140

PALLETS FOR SMALL APPLIANCES

100

GREEN FURNITURE



283

E-WASTE BINS

37

RECYCLING YARD



5

CONTAINER 7M³

799

TOTAL NUMBER
OF INFRASTRUCTURE

NUMBER OF
INFRASTRUCTURE

879

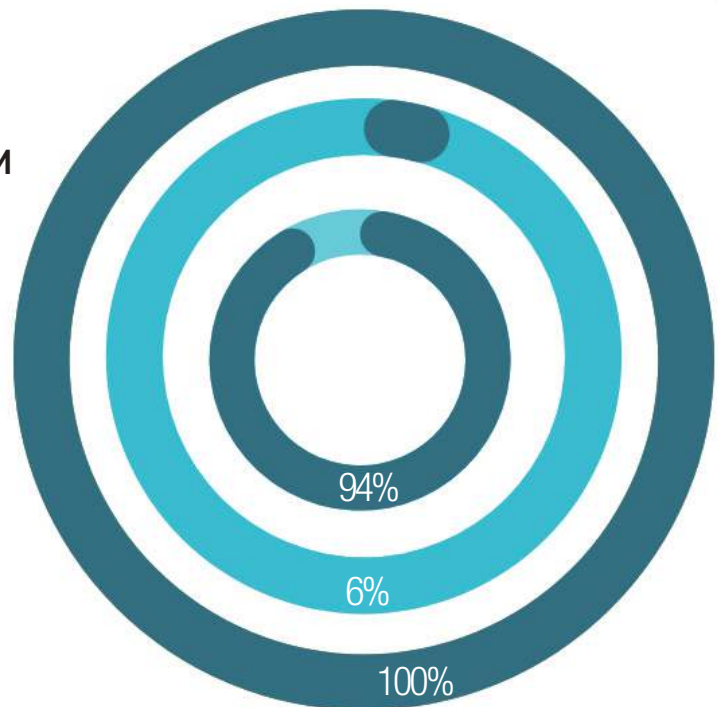
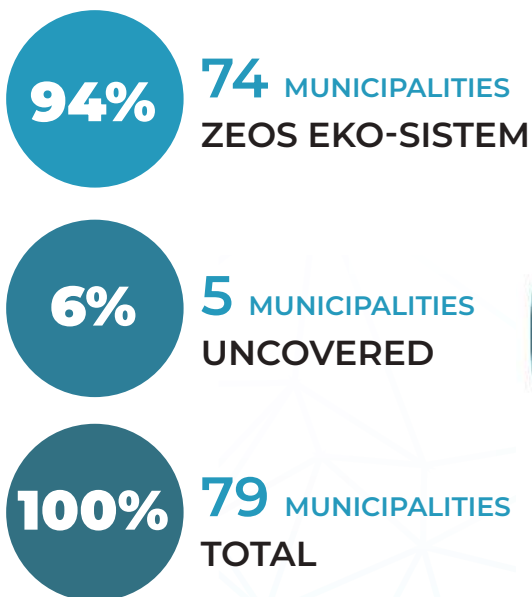
NUMBER OF SET
INFRASTRUCTURE

799

ZEOS eko-sistem Ltd. also has a mobile recycling yard, a branded van, which is used to carry out free door-to-door collection, as well as collection of e-waste in rural settlements where there is no infrastructure.



FBIH COVERAGE



MUNICIPALITIES WITH INFRASTRUCTURE

Banovići, Bihać, Bosanska Krupa, Bosanski Petrovac, Breza, Bugojno, Busovača, Bužim, Cazin, Čapljina, Čelić, Čitluk, Doboj Istok, Doboj Jug, Domaljevac – Šamac, Donji Vakuf, Drvar, Foča – Ustikolina, Fojnica, Glamoč, Goražde, Gornji Vakuf – Uskoplje, Gračanica, Gradačac, Gruče, Hadžići, Ilijaš, Jablanica, Jajce, Kakanj, Kalesija, Kiseljak, Kladanj, Ključ, Konjic, Kupres, Livno, Lukavac, Ljubuški, Maglaj, Mostar, Neum, Novi Travnik, Odžak, Olovo, Orašje, Pale – Prača, Posušje, Prozor – Rama, Sanski Most, Sarajevo, Centar, Sarajevo, Ilidža, Sarajevo, Novi Grad, Sarajevo, Novo Sarajevo, Sarajevo, Stari Grad, Sarajevo, Trnovo, Srebrenik, Stolac, Široki Brijeg, Teočak, Tešanj, Tomislavgrad, Travnik, Tuzla, Usora, Vareš, Velika Kladuša, Visoko, Vitez, Vogošća, Zavidovići, Zenica, Žepče, Živinice.

Projects

ENVIRONMENTAL SUSTAINABILITY:

Installation of New E-Waste Containers Across the Federation of Bosnia and Herzegovina

During May 2023, ZEOS eko-sistem Ltd., as the authorized operator of the e-waste management system, financed the purchase and installation of 56 new containers for small appliances in 35 municipalities of the Federation of Bosnia and Herzegovina.

The value of the investment is around 200,000.00 KM, and it will provide a free e-waste disposal service for the public, thereby reducing the amount of electronic waste in landfills and redirecting it to the recycling sector of our country.



Green E-volution

This project was valued at 47,960.00 KM, with 52.13% financed by the Environmental Protection Fund of FBiH. The project was implemented in Mostar and Tuzla, with each city receiving eight e-waste containers, for a total of 16 containers. These containers can hold up to 300 kg of e-waste, equivalent to about 150 small appliances. E-waste encompasses all items that operate on electricity or batteries, including small appliances, tools, large devices, electric toys, laptops, mobile phones, chargers, recreational equipment, various instruments, TV monitors, and similar items. Citizens can dispose of e-waste up to 45 cm in size in these containers. The addresses of all containers, with exact locations and pictures, can be found on the map at www.zeos.ba. E-waste contains harmful substances like brominated flame retardants, chromium, selenium, beryllium, and arsenic, which can negatively impact public health. Therefore, we urge all citizens to responsibly and properly dispose of e-waste.



Old for New

As a socially responsible company, we are aware that a lot of electrical and electronic equipment ends up in places not designated for this type of waste. In cooperation with our partner Gorenje Commerce Ltd., we have designed an ecological campaign in which we offer customers in Gorenje STUDIJA retail stores the opportunity to purchase new appliances at a discount of 5% for trading in an old appliance on a “one for one” basis. This ecological discount can be combined with other current discounts. The campaign applies to pre-determined categories of appliances, and all details can be found at www.zeos.ba.



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In addition to large appliances, people can also dispose of small ones at the “Zeleni namještaj” (Green Furniture) in every Gorenje Studio store as part of this campaign.

INTERNATIONAL E-WASTE DAY: “Invisible E-Waste” 6th Edition

International E-Waste Day (#ewasteday) is an annual awareness campaign organized by the WEEE Forum, with ZEOS eko-sistem Ltd. as a member representing Bosnia and Herzegovina. It is held every year on October 14th to highlight the growing problem of electrical and electronic equipment waste and to encourage responsible disposal practices. Many old devices are kept in homes, possibly on shelves for potential future use. And many people do not realize they can be recycled. This “invisible” category of e-waste, if gathered in one place, would be equivalent to nearly 500,000 trucks, each weighing 40 tons, which would be enough to form a convoy from Rome to Nairobi, a distance of 5,640 kilometers. Every year, we discard 3.2 billion kg of e-toys, which accounts for as much as 35% of the total invisible e-waste, and we also discard 844 million e-cigarettes.





Green Revolution II

This is the second phase of the largest ecological project involving schools and students, now including all ten cantons of the Federation of BiH. Primary school students participated in presentations and competitions, learning about and contributing to environmental protection by collecting e-waste and ensuring a clean future free of e-waste for all generations.

The schools showed great interest in collaboration, with 140 schools from 57 municipalities participating, and a total of 59,204 students competing. All schools received e-waste bins, materials,

leaflets, and posters from ZEOS. In less than three months, students, as well as citizens, collected 98,137 kg of e-waste. Students from the primary school Brestovsko, Kiseljak (SBK), collected the most e-waste, 54,920 kg, followed by primary school Tušanj, Tuzla (TK) with 7,080 kg, and third place went to Prva Sanska škola, Sanski Most (USK) with 3,565 kg of collected e-waste. Through the Green Revolution 1 and Green Revolution 2 projects, 147,204 students from 64% of schools in the Federation of BiH were informed, and 216,122 kg of e-waste was collected.

Free E-Waste Recycling at Your Address

In addition to ZEOS's long-standing free e-waste pickup service for companies, since 2021, there is also a free service for e-waste pickup from residents' homes.

The project idea "Door-to-Door Collection" aims to provide citizens with a new free service for the disposal of electrical and electronic waste from their addresses, ensuring that as many

small e-waste appliances as possible are redirected into the recycling sector through the authorized operator ZEOS eko-sistem Ltd.

Residents can dispose of any items that are powered by electricity or batteries. The service covers washing machines, stoves, dryers, small household appliances, refrigerators, air conditioners, IT equipment, electric toys, lighting equipment, tools, and various electrical instruments, etc.

It is also important to remember that e-waste is hazardous and needs to be disposed of correctly. Batteries are not classified as e-waste, and light bulbs are not included in this collection service.

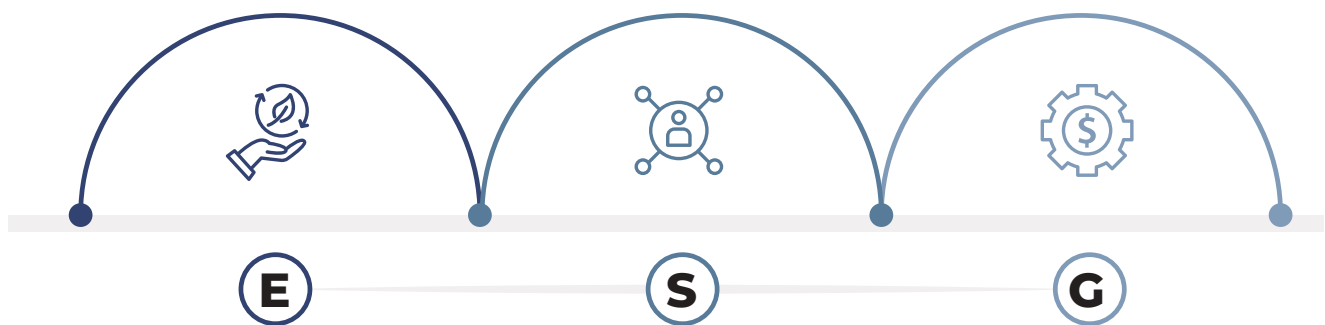
The requirement for collection for residents is a quantity exceeding 5 kg but less than 20 kg. For e-waste weighing more than 20 kg, special pickup is arranged based on the operator's availability. The total amount of collected e-waste is managed by ZEOS eko-sistem Ltd. in compliance with environmental regulations.

SCAN ME



Challenge and Opportunity: E-waste Management and ESG

ESG is an abbreviation for “Environmental, Social, and Governance” and indicates the three key factors that are considered when measuring the sustainability, ethical, and socially responsible operations of a particular company or investment.



- E**
- ▶ Climate change management
 - ▶ Reduction of greenhouse gas emissions
 - ▶ Efficiency and preservation of resource use (water, energy)
 - ▶ Waste management and recycling
 - ▶ Biodiversity protection

- S**
- ▶ Employee rights and relations
 - ▶ Diversity and inclusiveness
 - ▶ Working conditions and safety at work
 - ▶ Social engagement and contribution to the community
 - ▶ Protection of human rights

- G**
- ▶ Management structure and independence of supervisory bodies
 - ▶ Risk control and management
 - ▶ Issues of corruption, bribery and conflict of interest
 - ▶ Transparency and reporting

EVEN UP TO

80%

of the materials in cell phones can be recycled and reused!

WHAT IS A CELL PHONE MADE OF?

Plastic	33,74 g
Aluminum	31,89 g
Steel	14,02 g
Copper	14,26 g
Cobalt	8,35 g
Magnesium	3,26 g
Silver	0,21 g
Gold	0,03 g



Achieving ESG Goals With the Proper E-Waste Management

E-waste management has become imperative as electrical and electronic equipment plays an important role in basic business activities. As our use and dependence on these devices grow, the need for responsible management of e-waste is growing.

E-waste fully connects with all ESG factors and provides numerous opportunities for companies to demonstrate their responsibility and commitment to sustainable business practices.



ENVIRONMENTAL FACTORS

- ▶ E-waste contains hazardous materials such as lead, mercury, cadmium and other toxic substances that pollute the environment if not recycled properly. Poor e-waste management can lead to the uncontrolled release of these harmful substances into the air, water and soil.
- ▶ Proper management of e-waste significantly contributes to the preservation of the environment through reducing pollution, conserving resources, reducing CO₂ emissions, supporting the circular economy, and increasing environmental awareness.

SOCIAL FACTORS

- ▶ Poor e-waste disposal can negatively affect local communities, especially in developing countries where illegal and unsafe dumping is often done in e-waste recycling.
- ▶ Socially responsible practices include the safe and responsible disposal of e-waste, which protects the health of employees and the local community.



GOVERNANCE FACTORS

- ▶ E-waste management requires clear policies and procedures that promote responsible dealing with e-waste, including monitoring and reporting on its disposal.
- ▶ Companies with good corporate governance include management in their e-waste operations and cooperate with authorised operators and certified recycling partners to ensure that e-waste is disposed of in a sustainable and safe manner.



Call to Action!

We invite you to join the Eco-family of responsible companies, so that together we can contribute to preserving the environment and supporting the circular economy. Electronic waste is becoming an increasing environmental challenge, but it also represents potential resources that we can reuse.

Your company can play a crucial role in this initiative. By joining, you help reduce the amount of waste in landfills, decrease the ecological footprint of your operations, and support sustainable practices in your business.

Collecting e-waste not only contributes to the protection of natural resources and the reduction of pollution but also presents an opportunity for your company to demonstrate its social responsibility and commitment to sustainable development.

We encourage you to join us in creating a positive impact on our community and environment. For more information on e-waste pickup, please contact us.



BE SURE TO JOIN US!

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For more information about our activities, please see our annual reports from 2014 to 2023,
available online on our web page www.zeos.ba.

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