

TEMPLATE

1.1 |

MONITORING REPORT

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VERSION v. 1.1

RELATED SUPPORT - TEMPLATE GUIDE Monitoring Report v. 1.1

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KEY PROJECT INFORMATION

Key Project Information

GS ID (s) of Project (s)	5099
Title of the project (s) covered by monitoring report	Greentech Plastic Offset Credits from Romania: Emission Reductions through Recycling
Version number of the PDD/VPA-DD (s) applicable to this monitoring report	V4
Version number of the monitoring report	V1.4
Completion date of the monitoring report	30.01.2026
Date of project design certification	06.12.2018
Date of Last Annual Report	20/12/2024
Monitoring period number	4
Duration of this monitoring period	01/10/2023 – 28/02/2025
Project Representative	Carbon Expert International Srl.
Host Country	Romania
Activity Requirements applied	☐ Community Services Activities ☐ Renewable Energy Activities ☐ Land Use and Forestry Activities/Risks & Capacities ☒ N/A
Methodology (ies) applied and version number	AMS-III.AJ. Recovery and recycling of materials from solid wastes, V6.0
Product Requirements applied	☒ GHG Emissions Reduction & Sequestration ☐ Renewable Energy Label ☐ N/A

Table 1 - Sustainable Development Contributions Achieved

Sustainable Development Goals Targeted	SDG Impact	Amount Achieved	Units/ Products
SDG 13 Climate action	Emissions reductions	70,746	tCO2e/ VERs
SDG 3 Good Health & Well Being	Number of new health workforce recruited each year	30	
SDG 3 Good Health & Well Being	Number of training sessions on safety and health at working environment	730	
SDG 3 Good Health & Well Being	Number of trainings on fire and safe protection	50	
SDG4 Quality Education	Number of visits of school children to the plant to enhance environment education and climate change awareness	29	
SDG4 Quality Education	Number of children and students trained on recycling, sustainable development and circular economy	970	
SDG4 Quality Education	Number of training sessions to promote recycling and sustainable development	21	
SDG 5 Gender Equality	Number of women employed by project activity	185 in 2023 208 in 2024 205 in 2025	
SDG 5 Gender Equality	Proportion of women in total employment	33% in 2023 34% in 2024 33% in 2025	
SDG 5 Gender Equality	Number of women in managerial positions	10 in 2023 13 in 2024 13 in 2025	
SDG 5 Gender Equality	Proportion of women in managerial positions in total management positions	55,56% in 2023 56,52% in 2024 56,52% in 2025	
SDG 7 Affordable and Clean Energy	Energy Savings	58,993	MWh
SDG 7 Affordable and Clean Energy	Fuel Savings	295,834	MWh

SDG 8 Decent work & Economic Growth	Number of staff employed in the project activity	555 in 2023 619 in 2024 624 in 2025	
SDG 8 Decent work & Economic Growth	Number of trainings regarding the technical services required to operate the recycling plant	5	
SDG 8 Decent work & Economic Growth	Number of suggestions, recommendations made by the employees	35	
SDG 8 Decent work & Economic Growth	Wage bonuses offered by the employer to the employees	1,338,374	Euro
SDG 9 Industry, Innovation & Infrastructure	Number of local people employed by the project activity	548 in 2023 608 in 2024 613 in 2025	
SDG 9 Industry, Innovation & Infrastructure	Proportion of local people employed in total number of employees	98,74% in 2023 98,22% in 2024 98,24% in 2025	
SDG 10 Reduce Inequalities	Foreign exchange saved	3,686,779	Euro
SDG 11 Sustainable Cities & Communities	Quantity of the municipal plastic waste collected by the project activity	120,651	tons
SDG 11 Sustainable Cities & Communities	Project plastic waste collected quantity	0	tons
SDG 12 Responsible Consumption & Production	Quantity of plastic material recycled per year	74,649	tons
SDG 12 Responsible Consumption & Production	Number of programs to encourage more environmentally-friendly and responsible products and services	21	

Table 2 – Product Vintages

		Amount Achieved
Start Dates	End Dates	Product A
01/10/2023	31/12/2023	11,274 tCO2e
01/01/2024	31/12/2024	50,618 tCO2e
01/01/2025	28/02/2025	8,854 tCO2e

SECTION A. DESCRIPTION OF PROJECT

A.1. General description of project

"Greentech Plastic Offset Credits from Romania: Emission Reductions through Recycling" project (hereinafter called "the Project") start date is 19th October 2012.

The Project's first tender for the acquisition of the PET1 R-PET (Recycled-PET) line was 19th October 2012, which is the start date of the project. Then, it had the final commissioning of the R-PET line from PET post consumed bottles on 1st October 2014, and began commercial operation on 27th October 2014, in line with its Environment Authorisation no. 233/27.10.2014.

The Project has been recycling PET waste, reducing energy consumption that would otherwise be required for the production of plastic products made of virgin inputs, and consequently reducing greenhouse gases emissions (GHGs).

The Project activity has been implementing in Buzau county, in the city of Buzau, which is located in the South Eastern part of Romania in Muntenia province. The coordinates for the recycling plants in Buzau obtained using GPS are: 45°08'01.17724"N, 26°49'12.39768"E. The output capacity of the R-PET plant in Buzau is 12,000 tons/year.

In 2015, Greentech started the investment for strap production, and it started the construction of a new automatic line, which was finalized on December 2016. The new line is located in Frasinu Industrial Park, Tintesti village (3 kilometers far from Buzau city), having the following GPS coordinates: 45°06'26.04644"N, 26°49'41.13368"E. The output capacity of the strap plant in Frasinu is 9000 tons/year. From August 2016, Greentech switched from light fuel oil (LFO) to natural gas at Frasinu plant.

Greentech buys from collectors, which are authorized companies for plastic waste collection activities, and from companies which generate such a waste: PET post-consumer bottles with or without caps, with or without labels, sorted or not by colors, baled PET in view of transportation to project locations.

The source of materials are municipal streams, sourced throughout the entire Europe (Romania, Bulgaria, Hungary, Greece, Italy, Spain, Germany, UK, Slovakia, Slovenia, Letonia, The Check Republic, Lithuania, Sweeden, Finland, Poland, Croatia, and Macedonia), which are included in the project boundary as collection sites.

The production lines and the technology of the recycling plants have been supplied by foreign providers, the assembly and installation were done by Greentech's own stuff assisted by foreign technicians, and the maintenance is provided, as well, by Greentech's own employees.

In 2016, another investment was started for the production of the fiber in Urziceni, a location closed to Buzau (53 kilometers from Buzau city). The fiber line from Urziceni has the following GPS coordinates: 44°43'05.2"N; 26°38'43.1"E. The output capacity of the polyester fiber plant is 32,400 tons/year.

In the current monitoring period (01/10/2023 - 28/02/2025), Greentech utilized the CAPEX investments to various maintenance works needed to the current rPET and ARM technology lines, and also to the water treatment station and the photovoltaic panels.

Total emission reductions achieved in this monitoring period 01/10/2023 – 28/02/2025

The calculation of GHG emission reductions by the project activity is limited to carbon dioxide (CO₂) only and its primary source is reducing energy consumption that would otherwise be required for the production of plastic products made of virgin inputs, and consequently reducing greenhouse gases emissions (GHGs). The GHG emissions reduction¹ under current monitoring period is **70,746 tCO_{2e}**

For this monitoring period 01.10.2023–28.02.2025, no double counting has occurred with respect to recycled plastic whether plastic credits, EPR compliance, or emission reductions. Specifically, the project developer confirmed through a formal declaration submitted to the VVB and GS that the recycled plastic volumes reported for this monitoring period have not been simultaneously used or claimed for:

- plastic credits or similar material-based crediting schemes;
- Extended Producer Responsibility (EPR) compliance
- greenhouse gas (GHG) emission reductions or carbon credits under any voluntary or compliance mechanism other than this Gold Standard project.

All recycled plastic quantities are allocated to a single, exclusive claim pathway, in accordance with the approved project documentation and Gold Standard requirements.

This project is in line with specific UN sustainable development goals since it contributes to local environmental sustainability, since recycling instead of using material from virgin inputs decreases the overall energy use, CO₂ emissions and environmental burden caused by natural resources extraction. At the same time, PET waste recycling reduces the amount of waste to be disposed in the landfill.

Therefore, the project activity meets the following UN sustainable goals and monitors 37 parameters related to these SDGs:

1. SDG 3 Good Health and Well Being
2. SDG 4 Quality Education
3. SDG 5 Gender Equality
4. SDG 7 Affordable and Clean Energy
5. SDG 8 Decent work and economic growth
6. SDG 9 Industry Innovation and Infrastructure
7. SDG 10 Reduce inequalities within and among countries
8. SDG 11 Sustainable Cities and Communities
9. SDG 12 Responsible consumption and production

¹ The GHG emissions reduction calculation, according to the applicable methodology, is provided into a separate Excel document, "Greentech SDG13_CO2 Savings_Oct2023-Feb2025_07.05.2025.xls"

10. SDG 13 Climate Action

What makes the project special?

Apart from the economic benefits of reducing pollution in terms of CO2 emissions and plastic waste, the Project has other important economic and social benefits:

- It is an unique integrated business model, from the waste input to the finished products, which offers solutions for all types of PET waste;
- It offers a competitive advantage in the Central and Eastern Europe, being the foundation of the recycling business in this region
- The Project has a well-proven, fair and reliable production process and a state-of-art technology. The high performant innovative quality output products out from waste are recycled PET, recycled Strap, recycled Fiber
- Job creation and improved working conditions where the project is located (Buzau, Urziceni, Frasinu/Romania): GreenTech has 860 employees, being the biggest employer in Buzau city, offering employment to many people coming from disadvantaged backgrounds
- Gender equality approach, women being promoted in management position, including the high-level management
- Development of local technological capacity. The manpower and the technical maintenance are provided domestically in the country
- Contributes to the local and social community development: Green Group promotes training classes on environment and recycling in the schools in the region and shares its expertise with the local municipality of Buzau and other local municipalities to create circular cities (Circular Economy partnerships)
- It contributes to a large extent to the local municipalities' funds for social insurance, such as health and pension funds, and to local and social community development.
- The project has a strong ESG function and regularly monitored and permanently grow its impact on the achievement of the SDG targets

A.2. Location of project

The Project is located in the Eastern part of Romania, in Buzau region, within Buzau city and Tintesti village.

The host party is Romania. Romania ratified Kyoto Protocol on 2002 together with all EU countries. Romania signed Paris Agreement on 22nd April 2016 together with all EU countries and sent the instrument for ratification the Paris agreement on 1st June 2017.

The plants within the Project are located at 110 km NE from Bucharest, the capital of Romania in Buzau city (R-PET plant), Tintesti village (strap recycling plant), and at 60 km NE from Bucharest in Urziceni city (fiber recycling plant).

The coordinates for the R-PET recycling plants in Buzau obtained using GPS are: 45°08'01.17724"N, 26°49'12.39768"E.

The coordinates for the strap recycling plant in Frasinu Industrial Park, Tintesti village, Buzau county, obtained using GPS are: 45°06'26.04644"N, 26°49'41.13368"E.

The coordinates for the fiber recycling plant located in Urziceni, Ialomita county, using GPS are: 44°43'05.2"N, 26°38'43.1"E.

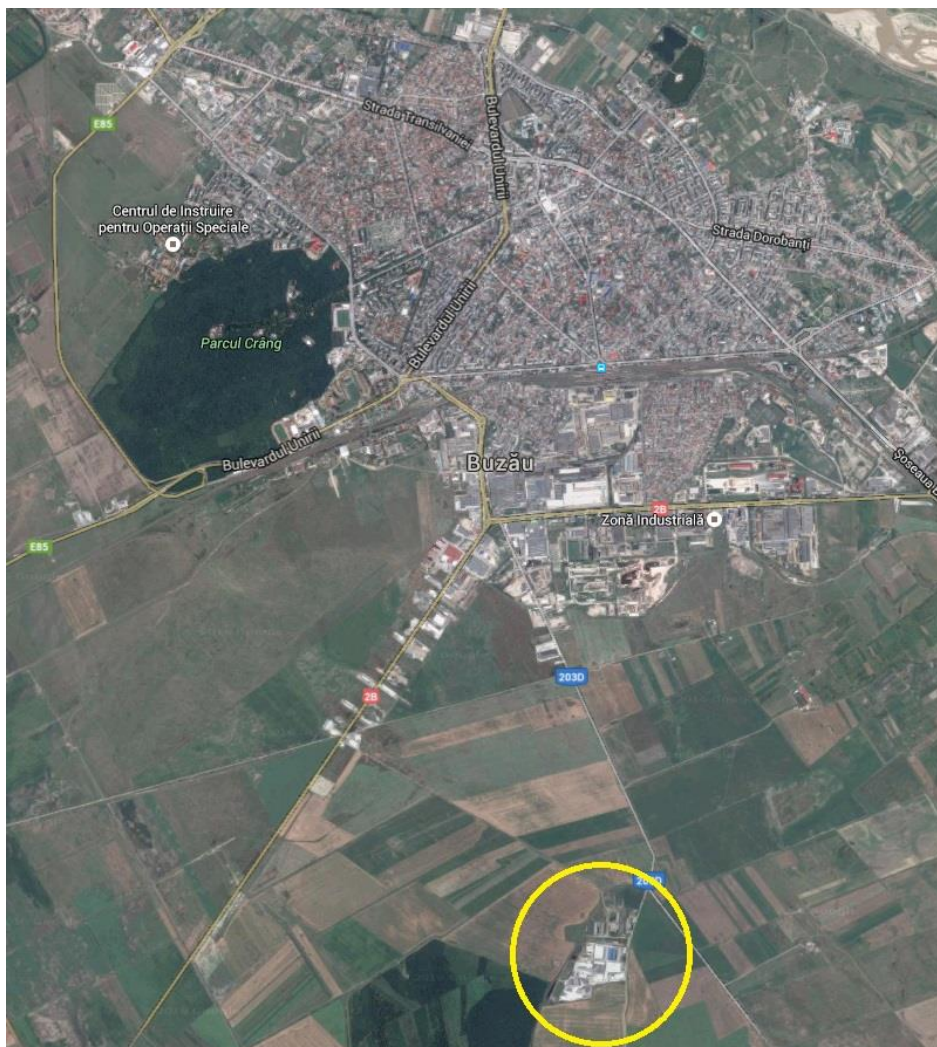


Figure 1: Greentech PET Recycling Plant in Buzau

A.3. Reference of applied methodology

This project uses the existing small scale CDM methodology AMS-III.AJ. Recovery and recycling of materials from solid wastes. Version 06.0.

This methodology covers the emissions reductions associated with the production of high-density polyethylene (HDPE), low density polyethylene (LDPE), Polyethylene Terephthalate (PET), Polypropylene (PP), and container glass from virgin materials, thus reducing related energy consumption.

Sectoral Scope: 13. Waste handling and disposal

It is assumed that baseline emissions include emissions associated with energy consumption for the production of PET pellets from virgin plastic materials.

A.4. Crediting period of project

10 years fixed period, from 01/01/2017 to 31/12/2026

Duration of Monitoring period under the current verification cycle is from 01/10/2023 to 28/02/2025.

SECTION B. IMPLEMENTATION OF PROJECT

B.1. Description of implemented project

The Project activity has been implementing in Buzau county, operating two plants in the city of Buzau and Tintesti village, which are located in the South Eastern part of Romania.

Greentech S.A. company was set up in 2003, consisting of two washing lines for PET bottles. Until 2014, important development stages were performed at Greentech S.A., including five washing lines and a new automatic sorting plant.

In 2015, Greentech started the investment for strap production, and it started the construction of a new automatic line, which was finalized on December 2016. The new line is located in Frasinu Industrial Park, Tintesti village, at 3 kilometres far from Buzau city. The output capacity of the strap plant in Frasinu is 9000 tons/year. From August 2016, Greentech switched from light fuel oil (LFO) to natural gas at Frasinu plant.

Greentech buys from collectors, which are authorized companies for plastic waste collection activities, and from companies which generate such a waste: PET post-consumer bottles with or without caps, with or without labels, sorted or not by colors, baled PET in view of transportation to project locations.

The production lines and the technology of the recycling plants have been supplied by foreign providers, the assembly and installation were done by Greentech's own stuff assisted by foreign technicians, and the maintenance is provided, as well, by Greentech's own employees

In 2016, another investment was started for the production of the fiber in Urziceni, a location closed to Buzau (53 kilometers from Buzau city). The fiber line from Urziceni has the following GPS coordinates: 44°43'05.2"N; 26°38'43.1"E. The output capacity of the polyester fiber plant is 32,400 tons/year.

In the current monitoring period (01/10/2023 - 28/02/2025), Greentech utilized CAPEX investments to various maintenance works needed to the current rPET and ARM technology lines, but also to the water treatment station and the photovoltaic panels.

B.1.1 Forward Action Requests

No Forward Actions Requests

B.2. Post-Design Certification changes

No Post-Design Certification changes

B.2.1. Temporary deviations from the approved Monitoring & Reporting Plan, methodology or standardized baseline

There is no request for deviation from monitoring & reporting plan, methodology or standardized baseline applied during this monitoring period.

B.2.2. Corrections

In this monitoring period, there is a change of the registered project title: the new approved title by the GS is "Greentech Plastic Offset Credits from Romania: Emission Reductions through Recycling".

B.2.3. Changes to start date of crediting period

There have not been any changes to start date of crediting period. The start date of the crediting period is 01/01/2017.

B.2.4. Permanent changes from the Design Certified monitoring plan, applied methodology or applied standardized baseline

There are no changes from the Design Certified monitoring plan, applied methodology or applied standardized baseline

B.2.5. Changes to project design of approved project

There are no changes to project design of approved project

SECTION C. DESCRIPTION OF MONITORING SYSTEM APPLIED BY THE PROJECT

The monitoring system of all SDGs of this monitoring period has been supervised by the ESGs, Compliance & HR Manager who has centralized the collected data and supervised all departments involved in the process of monitoring (Operational department, Human Resources, Health Safety, Public Relation, Financial, Technical).

All data used (electricity and fuel consumption, amount of PET bottles waste received and recycled PET flakes generated etc.) have been obtained directly from the measures developed by the technical staff in the recycling plant.

The emission factors for electricity and fuel are consulted and updated through official Romanian documentation.

The monitoring plan has been implemented by internal technical staff in charge of each recycling plant. The plan is made to verify that the emission reductions are real and measurable. The data needed for the emissions reduction calculations have been monitored transparently during the crediting period. The data collection has been done by internal technical staff in the recycling plants, depending on the parameter, according to the followings:

1.0 Data collected

The data to be collected is the following:

- (a) Mass of PET bottle waste entering in the recycling facility (input), measured by direct weighing;
- (b) Mass of recycled PET flakes by the recycling facility available for R-PET, PET Strap and PET Fiber, measured by direct weighing;
- (c) Mass of R-PET, PET Strap, PET Fiber (output);
- (d) Amount of electricity consumed at the recycling facility for power equipment;
- (e) Emission factor for the electrical grid system;
- (f) Amount of fossil fuel consumed.

2.0 In addition, these documents collected by the internal technical staff have been made available to VVB at verification:

- Invoices documents regarding the fuel consumed at the recycling facility;
- Electricity invoices regarding the electricity consumptions of the recycling facility from the national grid;
- Receipts and invoices regarding purchases of the PET waste and sales of recycled products (to be collected by the technical staff of Greentech in charge of the recycling plants operation).

3.0 The data to be monitored

The set of data to be monitored during the current monitoring period is provided in D2.

4.0 The equipment for monitoring

The weighting systems are calibrated with the frequency of its norms: standards or legal norms. The main legal norm is Order 77 from 2022 – Official List of 15 March 2022 of measuring instruments subject to legal metrological control issued by the Romanian Bureau of Legal Metrology.

The recycling plant checks completeness of invoices concerning electricity and fossil fuel consumptions. The recycling plant checks at least monthly, if consumption fits to the produced quantities. The project proponent also checks continuously the amount of incoming and produced PET.

Greentech S.A is ISO 9001; 14001; 45001 certified and all weighting systems are calibrated each year according to operational procedures PS – 14.

With regard to the electrical and natural gas counter meters, the legal norm mentioned above, Order 77 from 2022 and its technical norms presented in the List annex set by the Romanian Bureau of Legal Metrology is strictly observed using Greentech's internal ISO procedure PS-14 related to the control of measurement of devices, as follows:

- A. Electrical energy counters: metrological checking every 15 years
- B. Natural gas counters: metrological checking every 8 years.

5.0 Verification and calibration of the equipment

The verification and calibration of the weighting system/scales is done by Romanian Bureau of Legal Metrology according to its own procedure. Documents files to prove the calibration of the devices can be found in the folders: "BUZAU 2023_2025_metering device" and "FRASINU 2023_2025_metering device"

6.0 Data Management and treatment

All data collected by Production, Technical and Purchasing department from the recycling plants and manufacturers will be centralized by themselves according to the Procedure for the control of documents PS- 14 foreseen by ISO 9001.

7.0 Monitoring Report

All the data from production is monitored in monthly reports issued by the production department. These documents contain the data for input raw materials, output, consumption of all utilities (electricity, gas, water, fuel etc.)

The data about energy and fuel for all production departments as well as for administration department are centralized by the technical manager.

The internal technical staff is responsible for preparing the monitoring report under the supervision of the VVB. All the related records of verification, reading, cross-checking will be readily accessible for the verification of the VVB.

All reports are centrally kept by the internal staff dedicated to this project and made available to the VVB.

The SDG indicators have been centralized in the Excel document "Greentech SDG indicators_MR04_01Oct2023-28Feb2025_26.06.2025.xls", which has been verified by the VVB.

SECTION D. DATA AND PARAMETERS

D.1. Data and parameters fixed ex ante or at renewal of crediting period

There are six parameters fixed ex-ante, which are needed to measure the impact of SDG 13.

SDG 13. Climate Action

Ex-ante parameter no.1

Data/Parameter	EF_{el, CO2} ; EF_{FFCO2}
Unit	EF _{el CO2} - tCO ₂ /MWh for electricity generation; EF _{FFCO2} - tCO ₂ /GJ for fossil fuel, natural gas.
Description	CO ₂ emission factor for energy consumption in the production of plastic PET pellets from virgin plastic material; CO ₂ emission factor for natural gas consumption in the production of plastic PET pellets from virgin plastic material;
Source of data	Calculated from the source: Clean Development Mechanism AMS-III.AJ, Small-scale Methodology Recovery and recycling of materials from solid wastes, Version 6.0, Sectoral scope: 13; Baseline methodology for emissions associated with energy consumption for the production of plastic pellets from virgin plastic materials.
Value(s) applied	EF _{el CO2} = 0.701 tCO ₂ /MWh for electricity EF _{FFCO2} = 0.202 tCO ₂ /MWh for natural gas EF _{FFCO2} = 73.56 kgCO ₂ /GJ for Diesel EF _{FFCO2} = 71.62 kgCO ₂ /GJ for Gasoline EF _{FFCO2} = 74.08 kgCO ₂ /GJ for LFO
Choice of data or Measurement methods and procedures	Emission factors for electricity consumed national and European - technical annex to the SEAP template instructions; The list of the national values of the emission factors and net calorific values, specific to each type of fuel and type of activity - EU-ETS 2012 (www.anpm.ro ; www.mmediu.ro).
Purpose of data	To calculate the baseline emissions.
Additional comments	N/A

Ex-ante parameter no.2

Data/Parameter	L_i
Unit	-
Description	Net to gross adjustment factor to cover degradation in material quality and material loss in the production process of the final product using the recycled material
Source of data	Clean Development Mechanism AMS-III.AJ, Small-scale Methodology Recovery and recycling of materials from solid wastes, Version 6.0, Sectoral scope:13; Baseline methodology for emissions associated with energy consumption for the production of plastic pellets from virgin plastic materials. (http://pswm.uvic.ca/wp-content/uploads/2012/05/Read-the-Publication.pdf)
Value(s) applied	0.75

Choice of data or Measurement methods and procedures	From baseline methodology for emissions associated with energy consumption for the production of plastic pellets from virgin plastic materials; chapter 5.2 - see attached excel file
Purpose of data	To calculate the baseline emissions
Additional comment	i-Plastic includes R-PET, Strap and Fibre

Ex-ante parameter no.3

Data/Parameter	SEC_{BL}
Unit	MWh/t
Description	Specific electricity consumption at virgin PET production facility
Source of data	Clean Development Mechanism AMS-III.AJ, Small-scale Methodology Recovery and recycling of materials from solid wastes, Version 6.0, Sectoral scope:13; Baseline methodology for emissions associated with energy consumption for the production of plastic pellets from virgin plastic materials.
Value(s) applied	1.110
Choice of data or Measurement methods and procedures	It is assumed that process energy for polymerization is supplied with electricity; Clean Development Mechanism AMS-III.AJ, Small-scale Methodology Recovery and recycling of materials from solid wastes, Version 6.0, Sectoral scope:13; Baseline methodology for emissions associated with energy consumption for the production of plastic pellets from virgin plastic materials.
Purpose of data	To calculate the baseline emissions
Additional comment	N/A

Ex-ante parameter no.4

Data/Parameter	SFC_{BL}
Unit	GJ/t
Description	Specific natural gas consumption at virgin PET production facility
Source of data	Clean Development Mechanism AMS-III.AJ, Small-scale Methodology Recovery and recycling of materials from solid wastes, Version 6.0, Sectoral scope:13; Baseline methodology for emissions associated with energy consumption for the production of plastic pellets from virgin plastic materials
Value(s) applied	15
Choice of data or Measurement methods and procedures	Clean Development Mechanism AMS-III.AJ, Small-scale Methodology Recovery and recycling of materials from solid wastes, Version 6.0, Sectoral scope: 13; Baseline methodology for emissions associated with energy consumption for the production of plastic pellets from virgin plastic materials. Baseline emissions
Purpose of data	To calculate the baseline emissions
Additional comment	N/A

Ex-ante parameter no.5

Data/Parameter	B_i
Unit	-
Description	Correction factor based on share of production in non-Annex I countries
Source of data	Clean Development Mechanism AMS-III.AJ, Small-scale Methodology Recovery and recycling of materials from solid wastes, Version 6.0, Sectoral scope: 13; Baseline methodology for emissions associated with energy consumption for the production of plastic pellets from virgin plastic materials. Baseline emissions
Value(s) applied	1.0
Choice of data or Measurement methods and procedures	Clean Development Mechanism AMS-III.AJ, Small-scale Methodology
Purpose of data	To calculate the baseline emissions
Additional comment	-

Ex-ante parameter no.6

Data/Parameter	SEC_{P,i}
Unit	-
Description	Energy consumption factor for processing of recycled material i in the processing/manufacturing facility
Source of data	Clean Development Mechanism AMS-III.AJ, Small-scale Methodology Recovery and recycling of materials from solid wastes, Version 6.0, Sectoral scope: 13; Baseline methodology for emissions associated with energy consumption for the production of plastic pellets from virgin plastic materials. Baseline emissions
Value(s) applied	0
Choice of data or Measurement methods and procedures	Clean Development Mechanism AMS-III.AJ, Small-scale Methodology
Purpose of data	To calculate the baseline emissions
Additional comment	-

D.2 Data and parameters monitored

The recycling plant monitors 37 parameters, as presented in the tables below.

All SDG indicators can be found in the Excel document, "Greentech SDG indicators_MR04_01Oct2023-28Feb2025_26.06.2025.xls".

Monitoring parameter no. 1

Relevant SDG Indicator	SDG3 Good Health and Well Being
Data/Parameter	Number of new health workforce recruited each year
Unit	-
Description	The number of new health workforce annually recruited by the recycling plant. The indicator reflects the employees hired during the year, without considering the number of employees who left the job.
Source of data	Employment report Excel document: HR_Greentech's SDG indicators_2017-feb2025.xls
Value(s) applied	2023: 0 2024: 16 2025: 14
Measurement methods and procedures	The human resources department monthly records this parameter into Revisal software and employment reports.
Monitoring frequency	Monthly
QA/QC procedures	The HR department monthly records this parameter.
Purpose of data	To measure the impact of SDG 3
Additional comments	-

Monitoring parameter no. 2

Relevant SDG Indicator	SDG3 Good Health and Well Being
Data/Parameter	Number of training sessions on safety and health at working environment
Unit	-
Description	The number of training sessions on safety and health at the recycling plants
Source of data	The recycling plant, internal reports on trainings
Value(s) applied	2023: 38 2024: 554 2025: 138
Measurement methods and procedures	The Health&Safety department monthly records this parameter.
Monitoring frequency	Monthly

QA/QC procedures	The Health&Safety department monthly records this parameter according to ISO 9001 procedure. Health and Safety trainings per employee are accountable using the following rules: - they are done with the frequency of four times per year/employee working in production, deducting the persons who left the job in the reporting month - they are done with the frequency of two times per year per office employees, deducting the persons who left the job in the reporting month - at the very first day the employee is hired. As counted in training sessions, the following rules applies: - every shift of production sector (4 shifts and 7 sectors) is trained 4 times per year - every supporting department is trained 2 times per year - separate session for newly hired Emergency situation trainings per employee are accountable using the following rules: - they are done with the frequency of one time per month in production deducting the persons who left the job in the reporting month - they are done with the frequency of three times per year per office employee, deducting the persons who left the job in the reporting month - at the very first day the employee is hired As counted in training sessions, the following rules applies: - every shift of production sector (4 shifts and 7 sectors) is trained times per year - every supporting department is trained 3 times per year - separate session for newly hired The registration of the existing trainings is found in the Individual File of Working Protection, a manual file of each employee with holographic signature.
Purpose of data	To measure the impact of SDG 3

Additional comments	We present below the topics covered during these training courses, who offers them and what are the instruments used for trainings: i) when an employee is hired training are given by the health and safety specialist: details about company activity and the regulations and procedures and production flow, general presentation of legislation in regards of health and safety; responsibilities and obligation of both contractual parties - employee and employer; general risk assessment, organization of the H&S department, consequences for when rules are not respected; accidental risks and professional diseases specific for the activity and the measures to prevent them; events, working accidents standard procedure about how to act. After the training, the employee receives a test with regards of what he has been trained. ii) On specific working place the training is done by the health and safety specialist together with the manager of the working place: specific instruction, detailed presentation of the rules and procedures within that working place, risk assessment, accidental risk and professional disease for that working place and the measures to prevent, first aid procedure, practical demonstration about the correct way to work, the correct way to use the working equipment and the protection equipment, program and cleaning procedure. iii) The training instruments: written documents concluding the procedures, special instructions, movies, PowerPoint presentation, listed specific legislation.
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Monitoring parameter no. 3

Relevant SDG Indicator	SDG 3 Good Health and Well Being
Data/Parameter	Number of trainings on fire and safe protection
Unit	-
Description	The number of trainings on fire and safe protection provided at the recycling plants
Source of data	The recycling plant, internal reports on trainings
Value(s) applied	2023: 0 2024: 46 2025: 4
Measurement methods and procedures	The Health&Safety department monthly records this parameter.
Monitoring frequency	Monthly
QA/QC procedures	The Health&Safety department monthly records this parameter according to ISO 9001 procedure. Number of trainings on fire and safe protection are done with a frequency of one time per month per location.
Purpose of data	To measure the impact of SDG 3
Additional comments	-

Monitoring parameter no. 4

Relevant SDG Indicator	SDG 4 Quality Education
Data/Parameter	Number of visits of school children to the plant to enhance environment education and climate change awareness
Unit	-
Description	The number of visits of school children to the plant to enhance environment education and climate change awareness
Source of data	The recycling plant internal reports on visits
Value(s) applied	2023: 0 2024: 25 2025: 4
Measurement methods and procedures	The PR department monthly records this parameter.
Monitoring frequency	Monthly
QA/QC procedures	The PR department monthly records this parameter according to ISO 9001 procedure.
Purpose of data	To measure the impact of SDG 4
Additional comments	-

Monitoring parameter no. 5

Relevant SDG Indicator	SDG 4 Quality Education
Data/Parameter	Number of children and students trained on recycling, sustainable development and circular economy
Unit	-
Description	The number of children and students trained on recycling, sustainable development and circular economy
Source of data	The recycling plant internal reports on the number of trainees
Value(s) applied	2023: 0 2024: 850 2025: 120
Measurement methods and procedures	The PR department monthly records this parameter.
Monitoring frequency	Monthly
QA/QC procedures	The PR department monthly records this parameter according to ISO 9001 procedure.
Purpose of data	To measure the impact of SDG 4
Additional comments	-

Monitoring parameter no. 6

Relevant SDG Indicator	SDG 4 Quality Education
Data/Parameter	Number of training sessions to promote recycling and sustainable development
Unit	-

Description	The number of training sessions held by the project to promote recycling and sustainable development. The target audience are the educational institutions: schools, high schools and universities, through their students.
Source of data	The recycling plant internal reports on the number of trainings
Value(s) applied	2023: 0 2024: 20 2025: 1
Measurement methods and procedures	The PR department monthly records this parameter.
Monitoring frequency	Monthly
QA/QC procedures	The PR department monthly records this parameter according to ISO 9001 procedure.
Purpose of data	To measure the impact of SDG 4
Additional comments	-

Monitoring parameter no. 7

Relevant SDG Indicator	SDG 5 Gender Equality
Data/Parameter	Number of women employed by project activity
Unit	-
Description	The number of women employed by the project activity
Source of data	Employment report Excel document: HR_Greentech's SDG indicators_2017-feb2025.xls
Value(s) applied	2023: 185 2024: 208 2025: 205
Measurement methods and procedures	The HR department monthly records this parameter.
Monitoring frequency	Monthly
QA/QC procedures	The HR department monthly records this parameter according to ISO 9001 procedure.
Purpose of data	To measure the impact of SDG 5
Additional comments	-

Monitoring parameter no. 8

Relevant SDG Indicator	SDG 5 Gender Equality
Data/Parameter	Proportion of women in total employment
Unit	-
Description	The proportion of women in total number of employees of the project
Source of data	Employment report Excel document: HR_Greentech's SDG indicators_2017-feb2025.xls
Value(s) applied	2023: 33% 2024: 34% 2025: 33%

Measurement methods and procedures	The HR department monthly records this parameter.
Monitoring frequency	Monthly
QA/QC procedures	The HR department monthly records this parameter according to ISO 9001 procedure.
Purpose of data	To measure the impact of SDG 5
Additional comments	-

Monitoring parameter no. 9

Relevant SDG Indicator	SDG 5 Gender Equality
Data/Parameter	Number of women in managerial positions
Unit	-
Description	The number of women in managerial positions
Source of data	Employment report Excel document: HR_Greentech's SDG indicators_2017-feb2025.xls
Value(s) applied	2023: 10 2024: 13 2025: 13
Measurement methods and procedures	The HR department monthly records this parameter.
Monitoring frequency	Monthly
QA/QC procedures	The HR department monthly records this parameter according to ISO 9001 procedure.
Purpose of data	To measure the impact of SDG 5
Additional comments	-

Monitoring parameter no. 10

Relevant SDG Indicator	SDG 5 Gender Equality
Data/Parameter	Proportion of women in managerial positions in total management positions
Unit	-
Description	The proportion of women in managerial positions in total number of managers
Source of data	Employment report Excel document: HR_Greentech's SDG indicators_2017-feb2025.xls
Value(s) applied	2023: 55,56% 2024: 56,52% 2025: 56,52%
Measurement methods and procedures	The HR department monthly records this parameter.
Monitoring frequency	Monthly
QA/QC procedures	The HR department monthly records this parameter according to ISO 9001 procedure.
Purpose of data	To measure the impact of SDG 5
Additional comments	-

Monitoring parameter no.11

Relevant SDG Indicator	SDG 7 Affordable and Clean Energy
Data/Parameter	Energy Savings
Unit	MWh
Description	The energy savings of the recycling project compared to the baseline scenario
Source of data	Excel document SDG 7.1_CO2 Calculation_Greentech_savings energy_2024_2025.xlsx
Value(s) applied	2023: 9,427 2024: 42,150 2025: 7,416
Measurement methods and procedures	Calculated as per the methodology: $Q_{PET\ flakes} * SEC_{BL,PET} - EC_{PET,y}$
Monitoring frequency	Yearly
QA/QC procedures	The operational department annually calculates this parameter.
Purpose of data	To calculate the impact of SDG 7
Additional comments	-

Monitoring parameter no.12

Relevant SDG Indicator	SDG 7 Affordable and Clean Energy
Data/Parameter	Fuel Savings
Unit	MWh
Description	The energy savings of the recycling project compared to the baseline scenario
Source of data	Excel document SDG 7.2_CO2 Calculation_Greentech_savings fuels_2024_2025.xlsx
Value(s) applied	2023: 46,487 2024: 212,171 2025: 37,176
Measurement methods and procedures	Calculated as per the methodology: $Q_{PET\ flakes} * SFC_{BL,PET} - FFLFO,y - FF_{diesel,y} - FF_{gasoline,y} - FF_{natural\ gas,y}$
Monitoring frequency	Yearly
QA/QC procedures	The operational department annually calculates this parameter.
Purpose of data	To calculate the impact of SDG 7
Additional comments	-

Monitoring parameter no.13

Relevant SDG Indicator	SDG 8 Decent Work and Economic Growth
Data/Parameter	Number of staff employed in the project activity
Unit	-

Description	The number of employees at the recycling plants
Source of data	Employment report Excel document: HR_Greentech's SDG indicators_2017-feb2025.xls
Value(s) applied	2023: 555 2024: 619 2025: 624
Measurement methods and procedures	The HR department monthly records this parameter.
Monitoring frequency	Monthly
QA/QC procedures	The HR department monthly records this parameter according to ISO 9001 procedure.
Purpose of data	To measure the impact of SDG 8
Additional comments	-

Monitoring parameter no.14

Relevant SDG Indicator	SDG 8 Decent Work and Economic Growth
Data/Parameter	Number of trainings regarding the technical services required to operate the recycling plant
Unit	-
Description	The number of trainings regarding the technical services required to operate the recycling plants
Source of data	Training reports Excel document: SDG 8.2_ training tehnic_2023-2025.xlsx
Value(s) applied	2023: 1 2024: 4 2025: 0
Measurement methods and procedures	The operational department monthly records this parameter.
Monitoring frequency	Yearly
QA/QC procedures	The operational department monthly records this parameter according to ISO 9001 procedure.
Purpose of data	To measure the impact of SDG 8
Additional comments	-

Monitoring parameter no.15

Relevant SDG Indicator	SDG 8 Decent Work and Economic Growth
Data/Parameter	Number of suggestions, recommendations made by the employees
Unit	-
Description	The number of suggestions, recommendations made by the employees of the recycling plants
Source of data	Employees Feedback Book Excel document: SDG 8.3_Employee proposals_2023-2025.xls
Value(s) applied	2023: 9 2024: 13 2025: 13

Measurement methods and procedures	The HR department monthly records this parameter.
Monitoring frequency	Monthly
QA/QC procedures	The HR department monthly records this parameter according to ISO 9001 procedure.
Purpose of data	To measure the impact of SDG 8
Additional comments	-

Monitoring parameter no.16

Relevant SDG Indicator	SDG 8 Decent Work and Economic Growth
Data/Parameter	Wage bonuses offered by the employer to the employees
Unit	Euro
Description	Wage bonuses offered by the employer/project developer to the employees
Source of data	Payroll software Excel document: HR_Greentech's SDG indicators_2017-Feb2025.xlsx
Value(s) applied	2023: 192,027 2024: 943,933 2025: 202,414
Measurement methods and procedures	The HR department monthly records this parameter.
Monitoring frequency	Monthly
QA/QC procedures	The HR department monthly records this parameter according to ISO 9001 procedure.
Purpose of data	To measure the impact of SDG 8
Additional comments	-

Monitoring parameter no.17

Relevant SDG Indicator	SDG 9 Industry, Innovation and Infrastructure
Data/Parameter	Number of local people employed by the project activity
Unit	-
Description	The number of local people employed by the recycling plants
Source of data	Employment report Excel document: HR_Greentech's SDG indicators_2017-Feb2025.xlsx
Value(s) applied	2023: 548 2024: 608 2025: 613
Measurement methods and procedures	The HR department monthly records this parameter
Monitoring frequency	Monthly
QA/QC procedures	The HR department monthly records this parameter according to ISO 9001 procedure.
Purpose of data	To measure the impact of SDG 9
Additional comments	-

Monitoring parameter no.18

Relevant SDG Indicator	SDG 9 Industry, Innovation and Infrastructure
Data/Parameter	Proportion of local people employed in total number of employees
Unit	-
Description	The percentage of local employees in total number of staff employed
Source of data	Employment report Excel document: HR_Greentech's SDG indicators _2017-Feb2025.xlsx
Value(s) applied	2023: 98,74% 2024: 98,22% 2025: 98,24%
Measurement methods and procedures	The HR department monthly records this parameter
Monitoring frequency	Monthly
QA/QC procedures	The HR department monthly records this parameter according to ISO 9001 procedure.
Purpose of data	To measure the impact of SDG 9
Additional comments	-

Monitoring parameter no.19

Relevant SDG Indicator	SDG 10 Reduce inequalities within and among countries
Data/Parameter	Foreign exchange saved
Unit	Euro
Description	Foreign exchange saved represents the plastic saved/recycled by the project multiplied by the imported price/tonne
Source of data	PET recycling plant internal financial document Excel document: Financial_Greentech's SDG indicators_SDG 10_SDG 11.1_SDG12.1_2016_2025.xlsx
Value(s) applied	2023: 245,916 2024: 2,870,885 2025: 569,978
Measurement methods and procedures	The Financial department annually calculates this parameter
Monitoring frequency	Yearly
QA/QC procedures	The Financial department annually calculates this parameter
Purpose of data	To measure the impact of SDG 9
Additional comments	-

Monitoring parameter no.20

Relevant SDG Indicator	11. Sustainable Cities and Communities
Data/Parameter	Quantity of the municipal plastic waste collected by the project activity
Unit	ton
Description	Quantity of municipal solid waste/PET bales for flakes collected at the recycling facility in year y ($Q_{B\ PET, y}$)
Source of data	PET recycling plant Excel document: Financial_Greentech's SDG indicators_SDG 10_SDG 11.1_SDG12.1_2016_2025.xlsx
Value(s) applied	2023: 19,688 2024: 86,446 2025: 14,517
Measurement methods and procedures	Measured by weight balances
Monitoring frequency	Monthly
QA/QC procedures	Direct weighing and recording of the weight. The balance is calibrated every year.
Purpose of data	To measure the impact of SDG 11
Additional comments	-

Monitoring parameter no.21

Relevant SDG Indicator	11. Sustainable Cities and Communities
Data/Parameter	Project plastic waste collected quantity
Unit	ton
Description	Project plastic waste collected quantities by sources
Source of data	PET recycling plant
Value(s) applied	2023: 0 2024: 0 2025: 0
Measurement methods and procedures	Measured by weight balances
Monitoring frequency	Monthly
QA/QC procedures	Direct weighing and recording of the weight The balance is calibrated every year.
Purpose of data	To measure the impact of SDG 11 and prove that there is no competing use of plastic waste material in the region.
Additional comment	Due to national legislation change, the project cannot collect any more plastic waste

Monitoring parameter no.22

Relevant SDG Indicator	12. Responsible Consumption and Production
Data/Parameter	Quantity of plastic material recycled per year

Unit	ton
Description	Quantity of plastic type i recycled in year y ($Q_{PET\ FLAKES, y}$)
Source of data	PET recycling plant Excel document: Financial_Greentech's SDG indicators_SDG 10_SDG 11.1_SDG12.1_2016_2025.xlsx
Value(s) applied	2023: 11,614 2024: 53,561 2025: 9,474
Measurement methods and procedures	Direct weighing and recording of the weight, cross checked with company's records that is invoiced and backed by receipt of payments; Cross-check with the mass of product(s) used at the processing/ manufacturing facility using production records
Monitoring frequency	Monthly
QA/QC procedures	Direct weighing and recording of the weight Cross-check with the mass of product(s) used at the processing/ manufacturing facility using production records. The balance is calibrated every year
Purpose of data	To measure the impact of SDG 12
Additional comment	-

Monitoring parameter no.23

Relevant SDG Indicator	12. Responsible Consumption and Production
Data/Parameter	Number of programs to encourage more environmentally-friendly and responsible products and services
Unit	-
Description	Number of programs to encourage more environmentally-friendly and responsible products and services
Source of data	Internal reports on communication campaigns, PR department
Value(s) applied	2023: 0 2024: 20 2025: 1
Measurement methods and procedures	Recorded by the PR department
Monitoring frequency	Annually
QA/QC procedures	The PR department annually monitors this parameter.
Purpose of data	To estimate SDG 12
Additional comment	-

Monitoring parameter no.24

Relevant SDG Indicator	13. Climate Change
Data/Parameter	Emissions Reductions
Unit	tCO ₂ e

Description	The CO2 emissions savings calculated according to the methodology
Source of data	Excel sheet on ERs SDG 13_CO2 savings_01Oct2023-28Feb2025_26.06.2025 .xlsx
Value(s) applied	2023: 11,274 2024: 50,618 2025: 8,854
Measurement methods and procedures	The technical department provides the calculation of the ERs according to the methodology
Monitoring frequency	Annually
QA/QC procedures	Calculated by the technical department according to the methodology
Purpose of data	To measure the impact of SDG 13
Additional comment	-

Monitoring parameter no.25

Relevant SDG Indicator	13. Climate Change
Data/Parameter	EC_{PETflakes,y}
Unit	MWh/y
Description	Electricity consumption at recycling facility for total PET flakes in year y
Source of data	Measured from the recycling plant
Value(s) applied	2023: 3,463.63 2024: 17,302 2025: 3,100.04
Measurement methods and procedures	Metering with calibrated equipment
Monitoring frequency	Monthly
QA/QC procedures	Measured with calibrated equipment. The recycling plant checks completeness of invoices concerning electricity consumption. The recycling plant checks at least monthly, if consumption fit to the produced quantities. The electricity counter meter is calibrated according to the Metrological Bureau norms, the legal norm is in the Annex List of Order 77 from 2022, item number 26, meaning with a frequency of 15 years.
Purpose of data	To calculate Project emissions
Additional comment	-

Monitoring parameter no.26

Relevant SDG Indicator	13. Climate Change
Data/Parameter	FC_{i,y}
Unit	MWh/year

Description	Fuel consumption of the recycling facility apportioned to material type i
Source of data	Measured from the recycling plant
Value(s) applied	Natural gas 2023: 1,563.37 2024: 9,436.73 2025: 2,027.32 Diesel 2023: 340.37 2024: 1,559.56 2025: 271.1 Gasoline 2023: 0.618 2024: 3.50 2025: -
Measurement methods and procedures	Metering with calibrated equipment and transformed in MWh
Monitoring frequency	Monthly
QA/QC procedures	The recycling plant checks completeness of invoices concerning fuel consumption. The recycling plant checks at least monthly, if consumption fit to the produced quantities. In regards of gas counter meter, the legal norm for checking the calibration of the device is in the Annex List of Order 77 from 2022 of Romania Metrological Bureau.
Purpose of data	To calculate project emissions
Additional comment	-

Monitoring parameter no.27

Relevant SDG Indicator	13. Climate Change
Data/Parameter	Intrinsic Viscosity
Unit	decilitres/gram (dL/g)
Description	Intrinsic Viscosity
Source of data	The Davenport Petplu software / Internal quality reports Excel document: Climate Action_27_2021-2025.xls
Value(s) applied	2023: 0.647 – 0.765 2024: 0.628 – 0.762 2025: 0.7 – 0.721
Measurement methods and procedures	Test method for determining Intrinsic viscosity is as per ASTM D 4603 "Standard test method for determining Viscosity of Polyethylene Terephthalate" for PET
Monitoring frequency	Every batch of polymerisation
QA/QC procedures	The recycling plant regularly checks the intrinsic viscosity of the products through the internal procedure IL-GRT-11RPET
Purpose of data	To compare the chemical equivalence
Additional comment	-

Monitoring parameter no.28

Relevant SDG Indicator	13. Climate Change
Data/Parameter	Romania plastic generated waste
Unit	tons
Description	Romania plastic generated waste
Source of data	ANPM – Romanian Agency of Environment Protection documents
Value(s) applied	2023: 81,250 2024: 325,000 2025: 54,167
Measurement methods and procedures	N/A
Monitoring frequency	Yearly
QA/QC procedures	The recycling plant annually monitors this parameter, according to the new implemented procedure regarding the monitoring of all parameters requested by the Project.
Purpose of data	To prove that there is no competing use of waste material in the region
Additional comment	The data for 2024 and 2025 is estimated based on actual data of the year 2023 since the ANPM institution has not yet reported these indicators.

Monitoring parameter no.29

Relevant SDG Indicator/Safeguarding Principle	SDG 10 Reduce inequalities within and among countries
Data / Parameter	Plastic imported in country (tons/year)
Unit	tons
Description	Plastic waste imported by the project activity
Source of data	Internal reports on imports
Value(s) applied	2023:16,944 2024:39,737 2025:5,837
Measurement methods and procedures	N/A
Monitoring frequency	Yearly
QA/QC procedures	The recycling plant annually monitors this parameter, according to the procedure regarding the monitoring of all parameters requested by the Project.
Purpose of data	To prove that there is no competing use of waste material in the region
Additional comment	-

Monitoring parameter no.30

Relevant SDG Indicator/Safeguarding Principle	Environmental Safeguard Principle – Air Quality
Data / Parameter	Inside emissions (Natrium Hidroxid - NaOH); Outside ambient emissions (CO, NOx, SO2, O2, dust at chimney)
Unit	NaOH: mg/mc
Description	The inside and outside emissions measured in the recycling plant
Source of data	Analysis reports by authorised laboratory
Value(s) applied	2023: 0.123 - 0.555 2024: 0.128 -0.501 2025: Not measured yet
Measurement methods and procedures	Measured and analysed by authorised laboratories: Folders: "Air Quality Reports 2021-2024"
Monitoring frequency	Semestrial
QA/QC procedures	The recycling plant measures the inside and outside emissions according to ISO procedures.
Purpose of data	To monitor the Safeguard Principle
Additional comment	-

Monitoring parameter no.31

Relevant SDG Indicator/Safeguarding Principle	Environmental Safeguard Principle – Air Quality
Data / Parameter	Inside air humidity (%) :
Unit	%
Description	The air humidity measured in the interior of the recycling plant
Source of data	Analysis reports by authorised laboratory: "Air Quality Reports 2021-2024"
Value(s) applied	2023: 28.8% - 49.2% 2024: 28.6% - 79.1% 2025: Not measured yet
Measurement methods and procedures	Measured and analysed by authorised laboratories
Monitoring frequency	Monthly
QA/QC procedures	The recycling plant measures monthly the inside air humidity according to ISO procedures.
Purpose of data	To monitor the Safeguard Principle
Additional comment	-

Monitoring parameter no.32

Relevant SDG Indicator/Safeguarding Principle	Environmental Safeguard Principle – Air Quality
Data / Parameter	Inside air temperature (Celsius)
Unit	Celsius
Description	The air temperature measured in the interior of the recycling plant

Source of data	Analysis reports by authorised laboratory: Folder "Microclimate_2021-2025_H&S"
Value(s) applied	2023: 25.2C- 29.8C 2024: 9.6C – 22.1C 2025: Not measured yet
Measurement methods and procedures	Measured and analysed by authorised laboratories
Monitoring frequency	Monthly
QA/QC procedures	The recycling plant measures monthly the inside air temperature according to ISO procedures.
Purpose of data	To monitor the Safeguard Principle
Additional comment	-

Monitoring parameter no.33

Relevant SDG Indicator/Safeguarding Principle	Environmental Safeguard Principle – Water
Data / Parameter	Quality of the used water (pH, suspended dust, clorours, phosphphats, total azote)
Unit	Unit pH mg/l
Description	The quality of the output used water regarding the pH, suspended dust, clorours, phosphphats and total azote
Source of data	Analysis reports by authorised laboratory: Folder "Water test reports 2021-2024" and "Water test reports 2025"
Value(s) applied	2023: pH: 6.8 Suspended dust: 48 Clorours: 296 Phosphphats: 0.57 Azote: 0 2024: pH: 6.9 – 7.6 Suspended dust: 28 – 48 Clorours: 209 - 269 Phosphphats: 0.01 – 0.39 Azote: <1.2 2025: pH: 7.8 Suspended dust: 48 Clorours: 224 Phosphphats: <0.05 Azote: <1
Measurement methods and procedures	Measured and analysed by authorised laboratories
Monitoring frequency	Every two months
QA/QC procedures	The recycling plant measures the quality of the used water according to ISO procedures.
Purpose of data	To monitor the Safeguard Principle
Additional comment	-

Monitoring parameter no.34

Relevant SDG Indicator/Safeguarding Principle	Environmental Safeguard Principle – Water
Data / Parameter	Output used water (m3/year)
Unit	m3
Description	The used water evacuated by the project
Source of data	The output water report: "Water test reports 2021-2024" and "Water test reports 2025"
Value(s) applied	2022: 63,865 m3 2023: 297,100 m3 2024: 41,517 m3
Measurement methods and procedures	Measured at the recycling plant according to internal procedures.
Monitoring frequency	Annually
QA/QC procedures	Measured with calibrated equipment according to internal procedure
Purpose of data	To monitor the Safeguard Principle
Additional comment	-

Monitoring parameter no.35

Relevant SDG Indicator/Safeguarding Principle	Environmental Safeguard Principle – Other Pollutants
Data / Parameter	Noise Pollution
Unit	dB
Description	The noise pollution of equipments at the recycling plant
Source of data	Analysis reports by authorised laboratory: "Microclimate_ 2021-2025_H&S"
Value(s) applied	2023: 70.7 - 90.7 2024: 77.7 – 96.6 2025: Not measured yet
Measurement methods and procedures	Measured and analysed by authorised laboratories
Monitoring frequency	Quarterly
QA/QC procedures	The recycling plant measures the noise pollution according to ISO procedures.
Purpose of data	To monitor the Safeguard Principle
Additional comment	-

Monitoring parameter no.36

Relevant SDG Indicator/Safeguarding Principle	Environmental Safeguard Principle – Other Pollutants
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Data / Parameter	Waste measurements by type of waste (package, carton, waste wood, aluminum waste)
Unit	Kg.
Description	Output waste measurements by type of waste
Source of data	Internal waste reports; Folders: "Waste management 2021-2024" and "Waste management 2025".
Value(s) applied	2023 Package waste: 23,725 Cardboard waste: 13,557 Wood waste: 7,830 Aluminum waste: 7,588 2024 Package waste: 97,720 Cardboard waste: 40,247 Wood waste: 70,175 Aluminum waste: 688,819 2025 Package waste: 12,864 Cardboard waste: 5,917 Wood waste: 8,120 Aluminum waste: 288,287
Measurement methods and procedures	Measured by the production department according to internal procedures
Monitoring frequency	Annually
QA/QC procedures	Direct weighing and recording of the weight used at the processing/ manufacturing facility using production records
Purpose of data	To monitor the Safeguard Principle
Additional comment	-

Monitoring parameter no.37

Relevant SDG Indicator/Safeguarding Principle	Social safeguarding principle – Community Health, Safety and Working Conditions
Data / Parameter	Claims or concerns of the employees
Unit	The number of claims and concerns from employees
Description	The number of claims and concerns from the employees
Source of data	Internal HR and Legal Reports
Value(s) applied	2023: 0 2024: 0 2025: 0
Measurement methods and procedures	Recorded by the HR and legal departments
Monitoring frequency	Annually

QA/QC procedures	The recycling plant annually monitors this parameter according to internal procedure.
Purpose of data	To monitor the Safeguard Principle
Additional comment	-

D.3. Comparison of monitored parameters with last monitoring period

Not applicable for non-Community Service Activities.

D.4. Implementation of sampling plan

No sampling plan implemented.

SECTION E. CALCULATION OF SDG IMPACTS

E.1. Calculation of baseline value or estimation of baseline situation of each SDG Impact

SDG 13 Climate Action - Emissions reductions

According to the applied methodology AMS.III.AJ_version 06.0, the approach of calculating the baseline emissions of SDG 13 is shown below.

$$BE_y = (Q_{PET\ FLAKES}) * L_{PET} * B_i * (SEC_{BL,PET} * EF_{el\ CO_2,PET} + SFC_{BL,PET} * EF_{FFCO_2,PET})$$

Where:

BE_y : Baseline emissions in year y (tCO₂/y)

$Q_{PET\ FLAKES}$: Quantity of PET FLAKES recycled in year y, (t)

L_{PET} : Net to gross adjustment factor to cover degradation in material quality and material loss in the production process of the final product using the recycled material = 0,75

$EF_{elCO_2,PET}$: CO₂ emission factor for energy consumption in the production of virgin PET (t CO₂/t INPUT PET Waste)

$SEC_{BL,PE}$: Specific electricity consumption at virgin PET production facility (MWh/t)

$EF_{FFCO_2,PET}$: CO₂ emission factor for natural gas consumption (tCO₂/GJ)

$SFC_{BL,PET}$: Specific fuel consumption at virgin PET production facility (GJ/t)

$B_i = 1$

The actual GHG emissions reduction calculation, baseline and project emissions calculation, according to the applicable methodology, are provided into a separate Excel document: "Greentech SDG13_CO2 Savings_01Oct2023-28Feb2025_26.06.2025.xls".

SDG 7 Affordable and Clean Energy

Target 7.3: By 2030, double the global rate of improvement in energy efficiency.

Gold Standard

Project Indicators for SDG 7:
 SDG 7_1 Energy Savings
 SDG 7_2 Fuel Savings

SDG 7_1 Energy Savings

The Baseline for SDG 7_1 is calculated using the following equation:

$$BE_{EI,y} = Q_{PET\ FLAKES} * SEC_{BL,PET}$$

Where:

$BE_{EI,y}$: Baseline of the electricity in year y (MWh)

$Q_{PET\ FLAKES}$: Quantity of PET FLAKES recycled in year y, (t)

$SEC_{BL,PE}$: Specific electricity consumption at virgin PET production facility (MWh/t)

SDG 7_2 Fuel Savings

The Baseline of SDG 7_2 is calculated using the following equation:

$$BE_{Fuel,y} = Q_{PET\ FLAKES} * SFC_{BL,PET}$$

Where:

$BE_{Fuel,y}$: Baseline of fuel in year y (MWh)

$Q_{PET\ FLAKES}$: Quantity of PET FLAKES recycled in year y, (t)

$SFC_{BL,PET}$: Specific fuel consumption at virgin PET production facility (GJ/t)

1MWh = 3,6 GJ

The actual values of baseline calculation and project emissions of SDG 7_1 Energy Saving and SDG7_2 Fuel Saving are provided into the Excel documents:

"SDG 7.1_CO2 Calculation_Greentech_savings energy_2018-feb2025.xls" and

"SDG 7.2_CO2 Calculation_Greentech_savings fuels_2018-feb2025.xls"

Calculation of Baseline for SDG 3, 4, 5, 8, 9, 10, 11 and 12

For all other SDGs of the project (with the exception of SDG 7 and SDG 13 specified above), the Baseline is zero since in the absence of the project, none of those indicators have been existed.

More specifically, the baseline of these parameters is explained below:

SDG 3 Good Health and Well Being

The project creates new jobs and consequently health financing, and many training are offered to the health workforce, contributing thus to the Target 3.c:

Target 3.c: „Substantially increase health financing and the recruitment, development, training and retention of the health workforce in developing countries, especially in least developed countries and small island developing States."

Project Indicators for SDG 3:

1. Number of new health workforce recruited each year
2. Number of training sessions on safety and health at working environment
3. Number of trainings on fire and safe protection (PSI trainings)

Baseline situation:

In the baseline situation, no new job created, no training sessions on safety and health at working environment, nor any trainings on fire and safe protection are provided to the employees.

Therefore, the baseline outcome benefit is zero.

SDG 4 Quality Education

Trough its educational programs and trainings on recycling, sustainable development, climate change and circular economy, the project actively contributes to the Target 4.7:

Target 4.7: „By 2030, ensure that all learners acquire the knowledge and skills needed to promote sustainable development, including, among others, through education for sustainable development and sustainable lifestyles, human rights, gender equality, promotion of a culture of peace and non-violence, global citizenship and appreciation of cultural diversity and of culture’s contribution to sustainable development.”

Project Indicators for SDG 4:

1. Number of visits of school children to the plant to enhance environment education and climate change awareness
2. Number of children and students trained on recycling, sustainable development and circular economy.
3. Number of trainings organised with the occasion of different events and fairs to promote recycling and sustainable development

Baseline situation:

In the baseline situation, no visits of school children to the plant to enhance environment education and climate change awareness, no children and students trained on recycling, sustainable development and circular economy, and no trainings to promote recycling and sustainable development. Thus, the baseline outcome benefit is zero.

SDG 5 Gender Equality

One of the main benefits of the project is its approach toward gender equality, women being promoted in management position, including the high level management, contributing to the Target 5.5:

Target 5.5: „Ensure women’s full and effective participation and equal opportunities for leadership at all levels of decision-making in political, economic and public life.”

Project Indicators for SDG 5:

Gold Standard

1. Number of women employed by project activity
2. Proportion of women in total employment
3. Number of women in managerial positions
4. Proportion of women in managerial positions in total management positions

Baseline situation:

In the baseline situation, there were no women employed, nor held any management positions. Therefore, the baseline outcome benefit is zero.

SDG 8 Decent work and economic growth contribution

Through the project activities, it will create jobs which contribute to the target 8.5:

Target 8.5: „By 2030, achieve full and productive employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value.”

The number of jobs created by the project with safe and healthy work environment together with number of trainings regarding the technical services required to operate the recycling plant, the number of suggestions and recommendations made by the employees are recorded by the PP. At the same time, wage bonuses offered by the employer to the employees are quantified and contribute at the development of SDG 8.

Project indicators for SDG 8:

1. Number of staff employed in the project activity
2. Number of trainings regarding the technical services required to operate the recycling plant
3. Number of suggestions and recommendations made by the employees
4. Wage bonuses offered by the employer to the employees

Baseline situation:

In baseline situation, no jobs created, no training sessions regarding the operational side of the plant equipment is done, nor any suggestions or recommendations registered or any wage bonuses offered. Therefore, baseline outcome benefit is zero.

SDG 9 Industry Innovation and Infrastructure

The project largely contributes to the employment of local people and, thus, making its contribution to Target 9.2.

Target 9.2: “Promote inclusive and sustainable industrialization and, by 2030, significantly raise industry’s share of employment and gross domestic product, in line with national circumstances, and double its share in least developed countries.”

Project Indicators for SDG 9:

1. Number of local people employed in the project activity
2. Proportion of local people employed in total number of employees

Baseline situation:

In the baseline situation, there are not any local people employed. Thus, baseline outcome benefit is zero.

SDG 10 Reduce inequalities within and among countries

Through its plastic recycling activities, the project save foreign exchange, which contributes to the reducing inequalities among countries and ensure the achievement of Target 10.3.

Targets 10.3: „Ensure equal opportunity and reduce inequalities of outcome, including by eliminating discriminatory laws, policies and practices and promoting appropriate legislation, policies and action in this.“

Project Indicator for SDG 10:

1. Foreign exchange saved by the project (plastic saved/recycled x imported price/tonne)

Baseline situation:

In the baseline situation, there is no foreign exchange saved. Therefore, baseline outcome benefit is zero.

SDG 11 Sustainable Cities and Communities

The project positively contributes to the reduction of the municipal plastic waste through its collection and recycling activities, having a significant impact on Target 11.6.

Targets 11.6: “By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management.”

Project Indicators for SDG 11:

- 8.1 Quantity of the municipal plastic waste collected by the project activity
- 8.2. Project plastic waste collected quantities

Baseline situation:

In the baseline situation, there is no municipal plastic waste collected or any project plastic collected. Thus, the baseline outcome benefit is zero.

SDG 12 Responsible consumption and production

Through the project activities, there is recycled plastic material (intermediate output product) used in the production of recycled end products and also programs. At the same time, the project developer supports communication campaigns to encourage the responsible consumption and reuse of products, all contributing to the target 12.5.

Target 12.5: "By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse."

Project Indicators for SDG 12:

1. Quantity of plastic material recycled per year
2. Number of programs (communication campaigns) to encourage more environmentally-friendly and responsible products and services

Baseline situation:

In baseline situation, there is no recycled plastic material as output, nor any communication campaigns to encourage the responsible consumption and reuse of products. Therefore, baseline outcome benefit is zero.

The actual values of baseline and project situation of SDG 3, 4, 5, 8, 9, 10, 11 and 12 are provided into the Excel document "Greentech SDG indicators_MR04_01Oct2023-28Feb2025_26.06.2025.xls".

E.2. Calculation of project value or estimation of project situation of each SDG Impact

SDG 13 Climate Action - Emissions reductions

According to the applied methodology AMS.III.AJ_version 06.0, the approach of calculating the project emissions and net outcome of SDG 13 is shown below.

Project emissions for the monitoring report are calculated using the following equation:

As per Equation (5) of the applied methodology:

$$PE_y = PE_{PET\ FLAKES,y}, (tCO_2)$$

$$PE_{PET\ FLAKES,y} = EC_{PET\ flakes,y} * EF_{el,y} + FF_{LFO\ flakes,y} * EF_{LFO\ flakes,y} + FF_{diesel\ for\ flakes,y} * EF_{diesel\ for\ flakes,y} + FF_{gasoline\ for\ flakes,y} * EF_{gasoline\ for\ flakes,y} + FF_{natural\ gas\ for\ flakes,y} * EF_{natural\ gas\ for\ flakes,y}, (tCO_2)$$

Where:

PE_y : Project emissions in year y, (tCO₂)

Where:

$EC_{PET\ flakes,y}$ = Electricity consumption (production +administration) for flakes in year y, (MWh)

$EF_{el,y}$ = Emission Factor for Electricity Generation for flakes in year y, (tCO₂/MWh)

$FF_{LFO\ flakes,y}$ = Fossil fuel LFO consumption (light liquid fuel) for flakes in year y, (MWh)

$EF_{LFO \text{ flakes},y}$ = Emission Factor for LFO for flakes in year y, (tCO₂/MWh)
 $FF_{diesel \text{ for flakes},y}$ = Fossil fuel Diesel consumption for flakes in year y, (MWh)
 $EF_{diesel \text{ for flakes},y}$ = Emission Factor for Diesel for flakes in year y, (tCO₂/MWh)
 $FF_{gasoline \text{ for flakes},y}$ = Fossil fuel gasoline consumption for flakes in year y, (MWh)
 $EF_{gasoline \text{ for flakes},y}$ = Emission Factor for gasoline for flakes in year y, (tCO₂/MWh)
 $FF_{natural \text{ gas for flakes},y}$ = Fossil fuel natural gas-consumption for flakes in year y, (MWh)
 $EF_{natural \text{ gas for flakes},y}$ = Emission Factor for natural gas for flakes in year y, (tCO₂/MWh)

1MWh = 3,6 GJ

The emission reductions achieved by the project activity shall be determined as the difference between the baseline emissions and the project emissions and leakage.

$$ER_y = BE_y - PE_y - L_y$$

Where:

ER_y = Emission reductions in year y (t CO₂e)

L_y = Leakage emissions in year y (t CO₂e)

Since MSW collected does not contain organic biogenic waste segregated in the recycling facility, no leakage calculation is required.

The emission reductions achieved by the project activity will be the difference between the baseline emissions and the project emissions.

Equation (1): $ER_y = BE_y - PE_y$

Where:

ER_y : Emission reductions in year y (tCO₂)

BE_y : Baseline emissions in year y (tCO₂)

PE_y : Project emissions in year y (tCO₂)

SDG 7 Affordable and Clean Energy

The approach of estimating the project indicator and net benefit is the following.

Target 7.3: By 2030, double the global rate of improvement in energy efficiency.

Project Indicators for SDG 7:

7_1. Energy Savings

7_2. Fuel Savings

SDG 7_1. Energy Savings

Project outcome SDG7_1 = $EC_{PET \text{ flakes},y}$ (MWh)

Where:

$EC_{PET\ flakes,y}$ = Electricity consumption (production +administration) for flakes in year y, (MWh)

The electricity consumption is measured yearly with calibrated equipment.

The Net benefit of SDG7_1 is calculated using the following formula:

Net benefit of SDG7_1 = Baseline outcome of SDG7_1 - Project outcome of SDG7_1

$$\text{Net benefit SDG7_1} = Q_{PET\ FLAKES} * SEC_{BL,PET} - EC_{PET\ flakes,y}$$

SDG 7_2 Fuel Savings

$$\text{Project outcome SDG7_2} = FF_{LFO\ flakes,y} + FF_{diesel\ for\ flakes,y} + FF_{gasoline\ for\ flakes,y} + FF_{natural\ gas\ for\ flakes,y}$$

Where:

$FF_{LFO\ flakes,y}$ = Fossil fuel LFO consumption (light liquid fuel) for flakes in year y, (MWh)

$FF_{diesel\ for\ flakes,y}$ = Fossil fuel Diesel consumption for flakes in year y, (MWh)

$FF_{gasoline\ for\ flakes,y}$ = Fossil fuel gasoline consumption for flakes in year y, (MWh)

$FF_{natural\ gas\ for\ flakes,y}$ = Fossil fuel natural gas-consumption for flakes in year y, (MWh)

All fuel consumptions are measured yearly at the recycling plant with calibrated equipment.

The Net benefit of SDG7 (2) is calculated using the following formula:

Net benefit SDG7_2 = Baseline outcome of SDG7_2 - Project outcome of SDG7_2

$$\text{Net benefit of SDG7_2} = Q_{PET\ FLAKES} * SFC_{BL,PET} - FF_{LFO\ flakes,y} - FF_{diesel\ for\ flakes,y} - FF_{gasoline\ for\ flakes,y} - FF_{natural\ gas\ for\ flakes,y}$$

Calculation of Project value and net benefit for SDG 3, 4, 5, 8, 9, 10, 11, 12

As already explained, for all other SDGs of the project (with the exception of SDG 7 and SDG 13), the Baseline is zero since in the absence of the project, none of those indicators have been existed.

Therefore, the following equations shall apply for SDG 3, 4, 5, 8, 9, 10, 11 and 12:

Net benefit of SDG = Project outcome of SDG – Baseline outcome of SDG

Net benefit of SDG = Project outcome of SDG – 0

Net benefit of SDG = Project outcome of SDG

More specifically, the proposed approach for the project value and net benefit of these SDGs is the following:

SDG 3 Good Health and Well Being

The project creates new jobs and consequently health financing, and many training are offered to the health workforce, contributing thus to the Target 3.c:

Target 3.c: „Substantially increase health financing and the recruitment, development, training and retention of the health workforce in developing countries, especially in least developed countries and small island developing States.”

Project Indicators for SDG 3:

4. Number of new health workforce recruited each year
5. Number of training sessions on safety and health at working environment
6. Number of trainings on fire and safe protection (PSI trainings)

Project situation:

In the project situation, the number of new jobs created, the number of training sessions on safety and health at working environment and on fire and safe protection are recorded by the PP.

1. SDG3 contribution = Number of new health workforce recruited each year
2. SDG3 contribution = Number of training sessions on safety and health at working environment
3. SDG3 contribution = Number of trainings on fire and safe protection (PSI trainings)

SDG 4 Quality Education

Trough its educational programs and trainings on recycling, sustainable development, climate change and circular economy, the project actively contributes to the Target 4.7:

Target 4.7: „By 2030, ensure that all learners acquire the knowledge and skills needed to promote sustainable development, including, among others, through education for sustainable development and sustainable lifestyles, human rights, gender equality, promotion of a culture of peace and non-violence, global citizenship and appreciation of cultural diversity and of culture’s contribution to sustainable development.”

Project Indicators for SDG 4:

4. Number of visits of school children to the plant to enhance environment education and climate change awareness
5. Number of children and students trained on recycling, sustainable development and circular economy.

6. Number of trainings organised with the occasion of different events and fairs to promote recycling and sustainable development

Project situation:

In the project situation, the number of visits of school children to the plant to enhance environment education and climate change awareness, the number of children and students trained on recycling, sustainable development and circular economy and the number of trainings organised with the occasion of different events and fairs to promote recycling and sustainable development are recorded by the PP in order to indicate the contribution to SDG 4.

1. SDG4 contribution = Number of visits of school children to the plant to enhance environment education and climate change awareness
2. SDG4 contribution = Number of children and students trained on recycling, sustainable development and circular economy.
3. SDG4 contribution = Number of trainings organised with the occasion of different events and fairs to promote recycling and sustainable development

SDG 5 Gender Equality

One of the main benefits of the project is its approach toward gender equality, women being promoted in management position, including the high level management, contributing to the Target 5.5:

Target 5.5: „Ensure women’s full and effective participation and equal opportunities for leadership at all levels of decision-making in political, economic and public life.”

Project Indicators for SDG 5:

5. Number of women employed by project activity
6. Proportion of women in total employment
7. Number of women in managerial positions
8. Proportion of women in managerial positions in total management positions

Project situation:

In the project situation, the number of women employed by the project activity and their proportion in total employment are recorded by the PP in order to indicate the contribution to SDG 5. Moreover, the number of women in managerial positions and the proportion of women in managerial positions in total management positions are monitored.

1. SDG5 contribution = Number of women employed by project activity
2. SDG5 contribution = Proportion of women in total employment
3. SDG5 contribution = Number of women in managerial positions
4. SDG5 contribution = Proportion of women in managerial positions in total management positions

SDG 8 Decent work and economic growth contribution

Through the project activities, it will create jobs which contribute to the target 8.5:

Target 8.5: „By 2030, achieve full and productive employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value.”

The number of jobs created by the project with safe and healthy work environment together with number of trainings regarding the technical services required to operate the recycling plant, the number of suggestions and recommendations made by the employees are recorded by the PP. At the same time, wage bonuses offered by the employer to the employees are quantified and contribute at the development of SDG 8.

Project indicators for SDG 8:

3. Number of staff employed in the project activity
4. Number of trainings regarding the technical services required to operate the recycling plant
5. Number of suggestions and recommendations made by the employees
6. Wage bonuses offered by the employer to the employees

Project situation:

In project situation, the number of total people employed, the training sessions regarding the operational side of the plant equipment, the number of suggestions and recommendations and wage bonuses offered by the employer to the employees are monitored by the PP

1. SDG8 contribution = Number of staff employed in the project activity
2. SDG8 contribution = Number of trainings regarding the technical services required to operate the recycling plant
3. SDG8 contribution = Number of suggestions, recommendations made by the employees
4. SDG8 contribution = Wage bonuses offered by the employer to the employees

SDG 9 Industry Innovation and Infrastructure

The project largely contributes to the employment of local people and, thus, making its contribution to Target 9.2.

Target 9.2: “Promote inclusive and sustainable industrialization and, by 2030, significantly raise industry’s share of employment and gross domestic product, in line with national circumstances, and double its share in least developed countries.”

Project Indicators for SDG 9:

7. Number of local people employed in the project activity
8. Proportion of local people employed in total number of employees

Project situation:

In the project situation, the number of local people employed and their proportion in total staff employed are recorded by the PP

2. $\text{SDG9 contribution} = \text{Number of local people employed}$
3. $\text{SDG9 contribution} = \text{Proportion of local people employed in total number of employees}$

SDG 10 Reduce inequalities within and among countries

Through its plastic recycling activities, the project save foreign exchange, which contributes to the reducing inequalities among countries and ensure the achievement of Target 10.3.

Targets 10.3: „Ensure equal opportunity and reduce inequalities of outcome, including by eliminating discriminatory laws, policies and practices and promoting appropriate legislation, policies and action in this.“

Project Indicator for SDG 10:

1. $\text{Foreign exchange saved by the project (plastic saved/recycled} \times \text{imported price/tonne)}$

Project situation:

In the project situation, the foreign exchange saved is recorded by the PP.

1. $\text{SDG10 contribution} = \text{Foreign exchange saved}$

SDG 11 Sustainable Cities and Communities

The project positively contributes to the reduction of the municipal plastic waste through its collection and recycling activities, having a significant impact on Target 11.6.

Targets 11.6: “By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management.”

Project Indicators for SDG 11:

- 8.1 Quantity of the municipal plastic waste collected by the project activity
- 8.2. Project plastic waste collected quantities

Project situation:

In the project situation, the quantity of the municipal plastic waste collected and the project plastic waste collected quantities are recorded by the PP.

1. $\text{SDG11 contribution} = \text{Quantity of the municipal plastic waste collected by the project activity}$
2. $\text{SDG11 contribution} = \text{Project plastic waste collected quantity}$

SDG 12 Responsible consumption and production

Through the project activities, there is recycled plastic material (intermediate output product) used in the production of recycled end products and also programs. At the same time, the project developer supports communication campaigns to encourage the responsible consumption and reuse of products, all contributing to the target 12.5.

Target 12.5: "By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse."

Project Indicators for SDG 12:

1. Quantity of plastic material recycled per year
2. Number of programs (communication campaigns) to encourage more environmentally-friendly and responsible products and services

Project situation:

In project situation, the quantity of recycled plastic is measured yearly by the PP. The number of programs (communication campaigns) to encourage more environmentally-friendly and responsible products and services is also recorded by the PP.

1. SDG12 contribution = Quantity of plastic material recycled per year

SDG12 contribution = Number of programs (communication campaigns) to encourage more environmentally-friendly and responsible products and services

E.3. Calculation of leakage

SDG 13 Climate Action - Emissions reductions

As already mentioned, since MSW collected does not contain organic biogenic waste segregated in the recycling facility, no leakage calculation is required.

E.4. Calculation of net benefits or direct calculation for each SDG Impact

SDG	SDG Impact	Baseline estimate	Project estimate	Net benefit
SDG 13 Climate action	Emissions reductions	90,685	19,928	70,746
SDG 3 Good Health & Well Being	Number of new health workforce recruited each year	0	30	30
SDG 3 Good Health & Well Being	Number of training sessions on safety and health at working environment	0	730	730
SDG 3 Good Health & Well Being	Number of trainings on fire and safe protection	0	50	50
SDG4 Quality Education	Number of visits of school children to the plant to enhance environment education and climate change awareness	0	29	29
SDG4 Quality Education	Number of children and students trained on recycling, sustainable development and circular economy	0	970	970
SDG4 Quality Education	Number of training sessions to promote recycling and sustainable development	0	21	21
SDG 5 Gender Equality	Number of women employed by project activity ²	0 0 0	2023:185 2024:208 2025:205	185 208 205
SDG 5 Gender Equality	Proportion of women in total employment	0 0 0	2023: 33% 2024: 34% 2025: 33%	33% 34% 33%

² As it is irrelevant to calculate the total number of women, we have differentiated them by years. We did the same for all monitoring parameters of SDG 5, SDG 8_1 and SDG 9_1.

SDG 5 Gender Equality	Number of women in managerial positions	0 0 0	2023: 10 2024: 13 2025: 13	10 13 13
SDG 5 Gender Equality	Proportion of women in managerial positions in total management positions	0 0 0	2023:55.56% 2024:56.52% 2025:56.52%	55.56% 56.52% 56.52%
SDG 7 Affordable and Clean Energy	Energy Savings	75,723	16,730	58,993
SDG 7 Affordable and Clean Energy	Fuel Savings	311,037	15,163	295,834
SDG 8 Decent work & Economic Growth	Number of staff employed in the project activity	0 0 0	2023: 555 2024: 619 2025: 624	555 619 624
SDG 8 Decent work & Economic Growth	Number of trainings regarding the technical services required to operate the recycling plant	1	4	0
SDG 8 Decent work & Economic Growth	Number of suggestions, recommendations made by the employees	9	13	13
SDG 8 Decent work & Economic Growth	Wage bonuses offered by the employer to the employees	0	1,338.374	1,338.374
SDG 9 Industry, Innovation & Infrastructure	Number of local people employed by the project activity	0 0 0	2023: 548 2024: 608 2025: 613	548 608 613
SDG 9 Industry, Innovation & Infrastructure	Proportion of local people employed in total number of employees	0 0 0	2023: 98.74% 2024: 98.22% 2025: 98.24%	98.74% 98.22% 98.24%
SDG 10 Reduce Inequalities	Foreign exchange saved	0	3,686,779	3,686,779
SDG 11 Sustainable Cities & Communities	Quantity of the municipal plastic waste collected by the project activity	0	120,651	120,651
SDG 11 Sustainable Cities & Communities	Project plastic waste collected quantity	0	0	0
SDG 12 Responsible Consumption & Production	Quantity of plastic material recycled per year	0	74,649	74,649
SDG 12 Responsible Consumption & Production	Number of programs to encourage more environmentally-friendly	0	21	21

and responsible
products and services

E.5. Comparison of actual SDG Impacts with estimates in approved PDD

SDG	Values estimated in ex ante calculation of approved PDD for this monitoring period	Actual values ³ achieved during this monitoring period
13	Emissions reductions Validated PDD has the actual values of the year 2016: 45,380 tCO ₂	2023: 11,274 tCO ₂ 2024: 50,618 tCO ₂ 2025: 8,854 tCO ₂
3	Number of new health workforce recruited each year 2016: 47	2023: 0 2024: 16 2025: 14
3	Number of training sessions on safety and health at working environment 2016: 7900	2023: 38 2024: 554 2025: 138
3	Number of trainings on fire and safe protection 2016: 24	2023: 0 2024: 46 2025: 4
4	Number of visits of school children to the plant to enhance environment education and climate change awareness 2016: 12	2023: 0 2024: 25 2025: 4
4	Number of children and students trained on recycling, sustainable development and circular economy 2016: 747	2023: 0 2024: 850 2025: 120
4	Number of training sessions to promote recycling and sustainable development 2016: 10	2023: 0 2024: 20 2025: 1
5	Number of women employed by project activity 2016: 377	2023: 185 2024: 208 2025: 205
5	Proportion of women in total employment 2016: 38%	2023: 33% 2024: 34% 2025: 33%
5	Number of women in managerial positions 2016: 18	2023: 10 2024: 13

³ Whenever emission reductions are capped, both the original and capped values used for calculations must be transparently reported. Use brackets to denote original values.

		2025: 13
5	Proportion of women in managerial positions in total management positions 2016: 72%	2023: 55.56% 2024: 56.52% 2025: 56.52%
7	Energy Savings 2016: 35,008 MWh	2023: 9,427 MWh 2024: 42,150 MWh 2025: 7,416 MWh
7	Fuel Savings 2016: 208,849 MWh	2023: 46,487 MWh 2024: 212,171 MWh 2025: 37,176 MWh
8	Number of staff employed in the project activity 2016: 994	2023: 555 2024: 619 2025: 624
8	Number of trainings regarding the technical services required to operate the recycling plant 2016: 1	2023: 1 2024: 4 2025: 0
8	Number of suggestions, recommendations made by the employees 2016: 3	2023: 9 2024: 13 2025: 13
8	Wage bonuses offered by the employer to the employees 2016: 124,935 euro	2023: 192,027 euro 2024: 943,933 euro 2025: 202,414 euro
9	Number of local people employed by the project activity 2016: 945	2023: 548 2024: 608 2025: 613
9	Proportion of local people employed in total number of employees 2016: 95%	2023: 98.74% 2024: 98.22% 2025: 98.24%
10	Foreign exchange saved 2016: 2,797,657 euro	2023: 245,916 euro 2024: 2,870,885 euro 2025: 569,978 euro
11	Quantity of the municipal plastic waste collected by the project activity 2016: 72,885 tons	2023: 19,688 tons 2024: 86,446 tons 2025: 14,517 tons
11	Project plastic waste collected quantity 2016: 19,413 tons	2023: 0 tons 2024: 0 tons 2025: 0 tons
12	Quantity of plastic material recycled per year 2016: 52,081 tons	2023: 11,614 tons 2024: 53,561 tons 2025: 9,474 tons
12	Number of programs to encourage more environmentally-friendly and responsible products and services 2016: 9	2023: 0 2024: 20 2025: 1

E.5.1. Explanation of calculation of value estimated ex ante calculation of approved PDD for this monitoring period

The values for the ERs provided in the approved PDD for the ex-ante calculation were based on the actual ERs from the year 2016.

E.6. Remarks on increase in achieved SDG Impacts from estimated value in approved PDD

Increase in achieved SDG 13

Taking into account the emissions reductions achieved during this monitoring period and the estimated de emissions savings in the PDD (45,380 tCO₂e), the actual GHG emission reductions increased with 5,238 tCO₂e in 2024 (50,618 tCO₂e). The validated ER from the PDD is based on actual data from 2016 of the project. But in 2024, both the plastic waste input and output of the project is greater than in 2016, hence the ER in 2024 is bigger than the estimated value ex ante.

The increase in GHG emission reductions in 2024 can be explained by the higher volume of plastic waste processed compared to the baseline year (2016), which directly influenced the overall efficiency and output of the recycling operations. As the amount of waste collected and treated by the project grew, the displacement of virgin plastic production and the associated emissions also increased.

This is a positive contribution since one of the project developer's objectives is to yearly increase the waste collected input, which was achieved in 2024.

Increase in achieved SDG 4

As you will see on section E5, all parameters from SDG 4 increased in the year 2024 compared with estimated values in the PDD as follows: the number of school children visits to the plant increased by 13 compared to the reference year 2016; the number of children and students trained in recycling, sustainable development and circular economy increased by 103; the number of training sessions organized to promote recycling and sustainable development increased by 10 in 2024 compared to the values estimated in the PDD. The increase in achieved SDG 4 indicator in 2024 from estimated value in the PDD shows the involvement of the project development in the education process of children, students and people from all over Romania to promote recycling and sustainable development.

In this context, the project developer strengthened partnerships with educational institutions and local authorities, which enabled more frequent organization of plant visits and training sessions. Additionally, the project allocated additional resources to promote recycling and sustainable development among young people through educational materials, interactive workshops, and awareness campaigns. All these efforts directly contributed to the increase in the number of participants and to the expansion of the project's educational impact at the national level.

Increase in achieved SDG 7

The increase in the achieved indicators for SDG 7_1 (Energy Savings)- 42,150 MWh and SDG 7_2 (Fuel Savings) - 212,171MWh in the year 2024 of the monitoring period, as described in section E5, compared to the ex-ante estimated energy savings (35,008 MWh) and fuel savings (208,849 MWh) in the PDD (based on actual data from 2016), can be explained as follows: both the quantity of plastic waste processed and the project outputs were higher than in 2016, thus the energy and fuel savings during the current monitoring period are greater than the ex-ante estimated values. Moreover, the project's electricity, diesel, and gasoline consumption were lower during the monitoring period compared to the ex-ante values from the PDD, which additionally contributed to the increased energy and fuel savings.

Increase in achieved SDG 8_2

The number of trainings regarding the technical services required to operate the recycling plant increased in 2024 (4 trainings) compared to the estimates from the validated PDD in 2016 (1 training) since Greentech posed more emphasis on these trainings in order to improve the quality of its operations.

Increase in achieved SDG 8_3

As described on section E5, the number of suggestions and recommendations made by employees during this monitoring period (2023-9, 2024-13, and 2025-13) is higher in this monitoring period than the estimated ex-ante from the PDD, which were based on actual data from 2016, as the project developer implemented in 2019 a new procedure (whistle-blowing) for monitoring this parameter.

Increase in achieved SDG 8_4

The wage bonuses offered by the employer to the employees are also higher compared with those estimated in the validated PDD based on actual values from 2016 (€124,935) as seen on section E5: 2023 (€192,027), 2024 (€943,933), and 2025 (€202,414). The significant increase in wage bonuses offered in 2023, 2024, and early 2025 compared to the baseline value from 2016 reflects Greentech's ongoing commitment to improving employee well-being and motivation. This growth can be attributed to the company's strategic decision to reward performance and retain qualified staff in a competitive labor market, especially in a sector where technical expertise is essential. This is a positive outcome that can be explained by Greentech's commitment to offer good conditions and benefits to all employees.

Increase in achieved SDG 9_2

The proportion of local people employed by the project in total number of employees is higher than the estimated value of the PDD (95%), with the increases reflected as follows: in 2023 – 98.74%, in 2024 – 98.22%, and in 2025 – 98.24% which shows the positive outcome of the project for the local community.

Increase in achieved SDG 10_1

The foreign exchanges saved by the project in year 2024 (€2,870,885) exceeded the values estimated in the 2016 PDD (€2,797,657), proving the benefits of the project for the country.

Increase in achieved SDG 11_1

The quantity of the municipal plastic waste collected by the project activity increased in the year 2024 (86,446 tons) compared to the estimated value from PDD (72,885 tons), which was based on actual data from 2016, as per the numbers written on section E5. This increase can be attributed to the improved operational efficiency, and strengthened collaborations with local municipalities.

This is one of the project developer's objectives to yearly increase the waste collected input as a means to contributing to SDG 11.

Increase in achieved SDG 12_1

The quantity of the plastic material recycled per year increased in 2024 (53,561 tons) compared to the estimated value from the PDD (52,081 tons), which was based on actual data from 2016, as per the number in section E5. This is one of the project developer's objectives - to increase the output plastic recycled on an annually basis.

Increase in achieved SDG 12_2

The number of programs to encourage more environmentally-friendly and responsible products and services is higher in 2024 (20 programs) compared to the estimated data from the PDD (9 programs). This shows the commitment of the project developer to promote environmental education and products through various programs.

SECTION F. SAFEGUARDS REPORTING

As all questions in the assessment of the GS4GG Safeguarding Principles and Requirements were answered "No" in the Transition Annex to GS4GG, there are no safeguards reporting.

SECTION G. STAKEHOLDER INPUTS AND LEGAL DISPUTES

G.1. List all Inputs and Grievances which have been received via the Continuous Input and Grievance Mechanism together with their respective responses/mitigations.

There were not any grievances or inputs received via the Continuous Input and Grievance Mechanism within the current monitoring period

G.2. Report on any stakeholder mitigations that were agreed to be monitored.

Since there were not any grievances or inputs received via the Continuous Input and Grievance Mechanism, there were not any stakeholder mitigations to be monitored.

G.3. Provide details of any legal contest that has arisen with the project during the monitoring period

No. crt.	Plaintiff	Value of the claim	Status
1	In rem investigation. GREENTECH S.A. – suspect	-	Case file no. 3382/P/2021 – under investigation = Following the complaint of a physical person, Greentech submitted all relevant permits and authorizations asked by Buzau Police Department, which is the competent authority to investigate this case file. The investigation is ongoing.
2	Johann Borgers GmbH, Borgersstraße 2-10, 46397	EUR 863,000	Bankruptcy file - 43 IN 642/22 Bocholt Local court – Insolvency Court procedure undergoing. The preliminary insolvency procedure was opened on October 17 th , 2022 and Greentech S.A. was confirmed on creditors list. KCreditor number: 504389. Insolvency procedure ongoing.
3	PET STAR HOLDING SA	4,676,993.29 RON	Civil File no. 3202/114/2022 – undergoing = On 11.05.2020 between Greentech S.A. and PET STAR HOLDING S.A. was concluded the contract for the supply of Rpet granules.(Greentech S.A. – Seller and PET STAR HOLDING – Buyer) Amid repeated payment delays, Greentech issued a payment order, communicated through execution officers. Following this notification, between 09.2021 and 02.2022, PET STAR paid in full the amount invoked in the order – 4,003,935 lei. Obviously, the amount paid late was generating penalties, based on art. 10 of the Contract (GTC), penalties amounting to 0.06% day delay, being accumulated the amount of 4,676,933 lei. The object of the civil case is the recovery of this commercial claim. The investigation is ongoing; the current stage is accountancy and technical expertise under development.
4	TECHTEX GREEN TERRA SRL	900,406.07 RON	Bankruptcy file - 3998/100/2024-Maramures Court. Insolvency procedure ongoing.

Revision History

Version	Date	Remarks
1.1	14 October 2020	Hyperlinked section summary to enable quick access to key sections Improved clarity on Key Project Information Section for POA monitoring Forward action request section Improved Clarity on SDG contribution/SDG Impact term used throughout Clarity on safeguard reporting Clarity on design changes Leakage section added for VER/CER projects Addition of Comparison of monitored parameters with last monitoring period Provision of an accompanying Guide to help the user understand detailed rules and requirements
1.0	10 July 2017	Initial adoption