

Recycled Plastic, Cleaner Environment!



Context

At a global scale, a constant increase of plastic consumption is recorded and unfortunately most of it does not enter the recycling circuit, but ends up in the environment, with disastrous effects for the natural ecosystem.

At the same time, the manufacturing process of plastic products from virgin inputs generates CO2 emissions 4 times bigger than the same process that uses recycled plastic. The entire activity of Green Tech concentrates on collecting and recycling PET waste, getting high quality recycled plastic products: PET flakes, strap, granules and polyester fibers – of great use in various industries.

Our purpose is to counteract the negative impact on the environment, while the ultimate goal is to recreate the vital balance that help all people realize that they are a part from the whole and therefore the quality of their life depends on the quality and cleanliness of nature.

We have the moral duty to respect life cyclicity and that is why we chose a slogan that reflects this belief: What lived once will live again!

Within Green Group, Green Tech – through recycling integrated processes through which the CO2 emissions are reduced annually by over 45 380 t, diminishes the energy consumption (that would otherwise be necessary in the production process from virgin inputs), and implicitly the greenhouse gas emissions (GES).

The negative impact of CO2 emissions on the environment and on human life it is no longer a prediction of the future. Poor air quality and extreme phenomena are just two of the serious consequences of pollution.



Project details

Location

Buzau, Romania

Project:

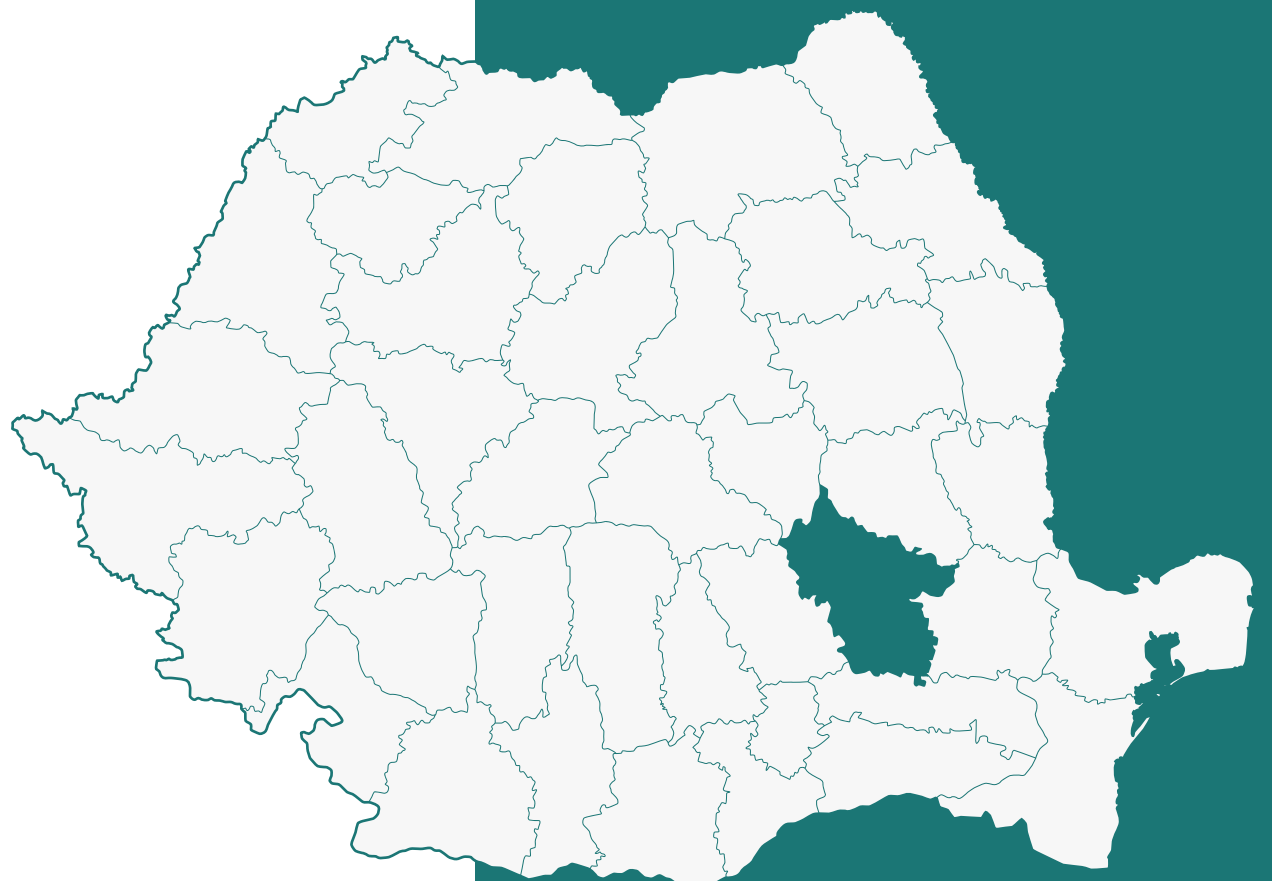
Energetic efficiency – commercial sector

Project standard:

Accredited by Gold Standard from Switzerland

Start date:

2011



Sustainability Standards

As a result of the recognition of recycling expertise and of the verification of CO2 emissions reductions performed by GreenTech, the International Gold Standard Organization has issued climate certificates for the project. These CO2 certificates can use to reduce or neutralize the footprint carbon of your company or products.

Due to the close collaboration with international forums and maintaining high-quality standards, GreenTech is the only Gold Standard certified company in Europe in the recycling field, having the right to offer voluntary certificates for companies to offset their footprint.



Gold Standard®



The benefits of PET waste recycling

Production of new resources results in the reduction of CO2 emissions by up to 47% compared to the production of the same articles using virgin PET material. Electricity consumption reduced by 30% compared to the production process from virgin material. Fossil fuel savings by up to 75% compared to virgin PET production process.

Cleaner nature: environmental protection (land, rivers, lakes, etc.) due to the collection of PET bottle waste and recycling activities.

Compensate CO2 footprint through PET recycling

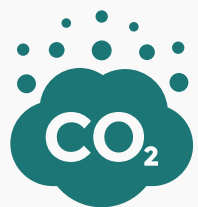
The project initiated by Green Tech in 2017 "Reducing CO2 emissions through recycling PET" - supports counteracting pollution caused by other companies, offering valuable premium carbon credits which are used to offset the carbon footprint of companies and individuals. These represent an opportunity to invest in recycling by supporting the specific actions Green Tech and Green Fiber carry out.

New resources
100%
recycled



Sustainable development objectives

By supporting this project, you support the protection of the environment, the improvement of the quality of life, but also the regional economy, as shown below:



Producing new resources through PET recycling ensures the CO2 emission reduction by 47% compared to the same process from virgin inputs.



Community development by contributing to the municipality funds for insurances (pensions, health).



The development of local technical capacity by qualifying the human resources available in the region.



Regional economic development through income distribution, regional integration, and collaboration with other sectors.



Reducing the energy consumption with 30% compared to the necessary consumed in the process that uses virgin inputs.



Development of civic sense through the power of example.



Clean environment, due to waste collection and stopping it to end up in rivers, lakes, forests, meadows.



Fuel is reduced by up to 75% compared to the necessary used in the production from virgin inputs.

Social impact

Better working conditions in the region determine the increase of employment opportunities in areas where the project is implemented (Buzau, Iasi, Frasinu, Urziceni - Romania)

Promoting gender equality; women promoted in management positions, including top level ones.

Contribution to social development at local level; GreenGroup facilitates trainings in ecology and recycling in schools in the region, making its professional expertise available to the municipality of Buzau (and its subordinates) to create circular economy partnerships.

Improved economic development at regional level: it contributes to an improved money distribution, regional integration, and connection with other sectors. Development of local technological capacity: labour and technical maintenance services are provided from local resources.

Development of the local social community: it contributes at a great extent to the municipal funds for social insurance, such as the pension funds and the health funds, but also to the community development overall.



Offset your CO2 emissions by supporting the project "Reducing CO2 emissions through PET recycling" by purchasing climate certificates issued in compliance with the highest standards of European organizations.

What happens to the money obtained from the environmental certificates?

The main investment directions of the funds obtained from the CO2 credits are:

- Creating a new recycling line for other types of materials, including medical products;
- A new production line for recycled waste hygiene items;
- Extension of the r-PET capacity for the food industry;
- Expanding current recycling capacity in Central and Eastern Europe with the role of encouraging collection and thus contributing to the EU's recycling targets (50%); at the moment, the recycling volume obtained is between 10-20% in the region.



Benefits of the climate certificate buyer:

- The possibility of integrating the offset of the carbon footprint through our certificate into their own environmental and sustainability report.
- The satisfaction of contributing to the well-being of the environment and society.
- The opportunity to promote and educate consumers alongside and with the support of GreenTech regarding the protection of the environment by supporting the recycling of environmentally harmful materials and their reuse in the economic circuit.
- Companies focused on sustainability can rapidly expand internationally, by catering to new niche markets, this leading to new opportunities and partnerships.



- Satisfaction to contribute to the well-being of the environment and of society.
- Employees motivation: companies that follow green practices have a 16% boost in employee productivity.
- More engagement from external stakeholders, such as investors and customers, that a business is committed to doing good, protecting environment and health.