

# PROJECT GSCE

## A global circular economy system

Even waste can get a second chance



# The situation in waste management

- ♻️ New legislation.  
„Circular Economy Action Plan“
- ♻️ Constantly increasing costs of waste collection and processing for individuals and companies.
- ♻️ With its capacity, the earth cannot absorb our waste at the current rate.
- ♻️ Landfilling and incineration at the current level is unsustainable.
- ♻️ Careless handling of water.
- ♻️ Use of non-renewable resources.
- ♻️ Linear waste management.  
„Make - use - throw away“



# There is a solution!

- ♻️ Circular solution to the waste recycling process.
- ♻️ Technological solutions exist and are financially available.
- ♻️ A globally applicable concept for large cities and small regions.
- ♻️ Connected logistics of collection and processors with customers of the output product.
- ♻️ One step closer to a climate-neutral economy.



# Regional processing center (RZC)

- ♻️ Area containing technologies for processing material outputs from individual types of waste.
- ♻️ Network of local recycling centers - gradual coverage of regions according to the level of waste management.
- ♻️ New jobs.
- ♻️ Financial savings.



## Activity within the RZC project

- ♻️ Analysis of the waste management of the given area.
- ♻️ Waste collection and collection, general condition.
- ♻️ Collection, sorting and processing of waste.
- ♻️ Design of technologies for the processing of sorted waste according to quantity and type.
- ♻️ Building a shared processing center and ensuring its operation.
- ♻️ Economic plan of operation – costs, return, financing of the project and sales of finished products.



# Activity within the RZC II project

- 🔄 Ensuring technology service, marketing, training and education.
- 🔄 Support for the development of new technologies and products.
- 🔄 Economic supervision of the efficiency of the center's operation – collection, collection, transport, sorting, utilization and waste disposal.
- 🔄 Active support for the creation of an environment for the cooperation of companies using waste as an input raw material and its further use.



## What will RZC process?

- ♻️ The materials will vary depending on the analysis of the waste situation in the area.
- ♻️ According to this analysis, the selected technology is placed for the processing of material outputs.
- ♻️ **Basic commodities:**  
Plastics, paper, glass, textile, tires, composite packaging and bio-waste.



## And we will make a new quality product.

- 🌱 Products for construction, home and garden, playground, fitness or noise reduction.
- 🌱 Building boards and panels, tiles, roof tiles.
- 🌱 Products for the automotive industry.
- 🌱 Products for railway construction and rolling stock repair.
- 🌱 Biodiesel.
- 🌱 Wood pellets and briquettes.
- 🌱 Bio compost.
- 🌱 Treatment of wastewater and water sources.





# Technological support

- ♻️ Research and development in the category.  
WASTE - WATER – SOIL
- ♻️ Waste as input raw material.
- ♻️ Technological solutions for waste processing.
- ♻️ Use of waste products in practice.
- ♻️ Testing and certification of products.
- ♻️ Support for expansion abroad.
- ♻️ International cooperation.



# GSCE concept and innovation

- ♻️ It includes elements from EU and UN plans.
- ♻️ It responds to the global need to address the issue of waste.
- ♻️ Local solutions to global problems.
- ♻️ He works with the analysis of the economy in the given area.
- ♻️ Processing centers using modern technologies.
- ♻️ It accelerates the transition to a circular economy.



# The meaning of the GSCE concept

- ♻️ Building a global network of processing centers.
- ♻️ Creating an environment for the cooperation of companies using waste as an input raw material.
- ♻️ Keeping waste disposal fees at an acceptable level for individuals and businesses.
- ♻️ Reducing the financial burden on cities and regions.
- ♻️ Careful approach to nature and its resources.
- ♻️ Waste = material for further use.
- ♻️ Space for international cooperation.



# GSCE Concept Summary

- 🌱 It responds to the current situation in waste management.
- 🌱 It contributes to the fulfillment of the goals set by the new waste management legislation.
- 🌱 The emergence of processing centers - local projects contributing to the spin-off of the circular economy.
- 🌱 Transformation of waste into valuable products.
- 🌱 Consulting, research and development in the field of waste management.
- 🌱 New jobs in the regions.





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