# FIRST RECYCLER

# WASTE COLECTION



# FIRST RECYCLER

professionals in waste management

First Recicler is authorized to perform complex and various activities and services in the field of industrial waste management, both hazardous and non-hazardous: collecting, transporting, temporary storage, recovery, recycling, treatment, neutralizing and final disposal, as well as decontamination and remediation of soils and industrial sites, and wastewater treatment.

First Recicler ensures that the recovery and final disposal of waste is performed through modern techniques and authorized locations.

## Professionalism

Industrial waste management is a complex activity, which requires a high degree of professional training, a good knowledge and understanding of legislation, and a careful monitoring of the market.
The analysis of customer requests, the preparation of working method, the coordination of all activities are made by well trained and specialized personnel of more than 80 employees (e.g. chemical engineers, biochemists, biologists, civil engineers, automotive engineers, foremen, heavy duty drivers, etc. as well as a significant number of collaborators.

## Certification

First Recicler's top management is committed to providing services which satisfy all the requirements and expectations of our customers, maintaining in the same time the capitalization criteria, based on a performing eco-management centered on the integration in a unique process of economical decisions, environmental decisions and health & safety decisions. Therefore, the company is certified according to the international standards ISO 9001, ISO 14001, ISO45001 and OHSAS 18001.

## Environment Protection

All the company's activities and services have a national-wide environmental permit, issued by the National Environment Protection Agency. The transportation of hazardous waste is performed according to the ADR requirements and the European Directives.


Elaboration of
Documents
Waste
Collecting
Waste
Transporting
Temporary
Storage
Final
Disposal
FIRST RECYCLER

# Collecting

First Recicler ensures the continuity of its activity and services during all the contract period, according to the schedule mutually agreed with the customer, avoiding all gaps and permanently adapting to customer's requirements.

If our customers are asking, we can primarily process some non-hazardous recyclable waste by compacting, using balers and mobile compactors for various types of waste (e.g. paper and cardboard, plastics, textiles, etc.. These compacting machineries can be operated either by customer's personnel or by our personnel.

After the finalization of recovery/recycling and final disposal activities, the customer receives all the necessary documents proving the traceability of the waste and that all these activities have been performed according to the law.






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# Transporting

First Recicler owns an auto fleet comprised of more than 50 vehicles of various capacities, authorized for transporting of hazardous, non-hazardous and recyclable waste. Our auto fleet diversity allows the collecting and t ransporting of waste irrespective of the quantities or distances that have to be covered down to final disposal locations.

Considering its experience earned in the waste management field, our company is recommended by its professional activity conducted by highly t rained and specialized personnel. Using intelligently and at full capacity our logistics, we can complete the contracted activities and services in the lowest terms and at high levels of quality and responsibility.















# Refuse Derived Fuel (RDF, FLUFF)

RDF is produced by shredding municipal and/or industrial solid waste as an alternative fuel for the cement industry, energetic industry, and metallurgic industry.

The waste (residual waste after separate collection of recoverable materials) are treated through mechanical reprocessing and fractionation. The RDF obtained from this process is traded and co-burnt in installations for power generation or in a manufacturing process where heat is required.

The product can be used for energy recovery and it is generally used for the following thermal conversion processes:

- Co-combustion in coal fired baoilers;
- Co-incineration in cement kilns;
- Co-gasification with coal or biomass.

The use of RDF has the following advantages:

- Permits to manage and valorize municipal waste and it is a valid alternative to dumping and landfill.
- Use of RDF in industrial processes offers more flexibility than the simple incineration of waste. Its use permits to reduce the emission of $CO_2$ since the plants can partially replace the use of fossil fuel.
- According to the national environment policies, the use of RDF permits to obtain a tradable commodity as white and green certificates. These certificates respectively prove that a specified amount of energy saving has been achieved and that certain electricity is generated using renewable energy sources.









# Material Recycling

First Recicler is aware of the importance of material recycling at a global level, in order to conserve the natural resources. Recycling is a key-step towards a modern waste management strategy, along with reducing consumption and reutilizing resources.

First Recicler is authorized to collect various recyclable waste (e.g. paper and cardboard, plastics, glass, metals, textiles, etc.) from companies and state institutions. These recyclable waste are then sorted by categories, compacted and transported to companies which are authorized for recycling. In this way, it is ensured that the recyclable materials are returning to the technological process.

