

CIRCULAR SOLUTIONS FOR WASTE MANAGEMENT

The background features two large, overlapping circular frames. The left frame shows a close-up of blue ocean waves with white foam. The right frame shows a dense, green forest canopy. The word "GEOCYCLE" is centered across the middle of these frames. The letters "G", "E", "Y", "C", "L", and "E" are white. The first "C" is a gradient from green to blue. The second "C" is a solid blue. The "O" is a solid black circle.

GEOCYCLE

CIRCULAR SOLUTIONS FOR WASTE MANAGEMENT

40
countries

+170
co-processing
facilities

+10,000
customers
worldwide

2,000
employees

Megatrends such as climate change, urbanization, population growth, and natural resource depletion are pressing issues today. Global business models must transform to achieve a positive impact on the environment and society.

Companies that recognize these challenges are embracing them and integrating them into their core strategies.

CO-PROCESSING:

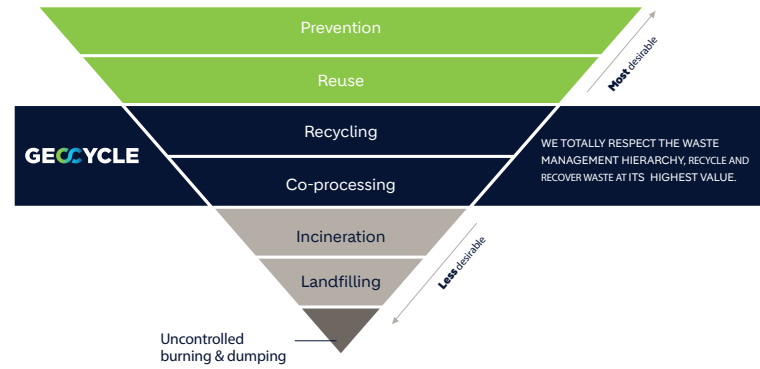
THE SUSTAINABLE SOLUTION FOR WASTE THAT CANNOT BE RECYCLED

At Geocycle we respect and promote the waste management hierarchy which was introduced for the first time in 1975 by the European Union's Waste Framework Directive.

The pyramid replaces the traditional waste management approach of "the three Rs" (reduce, reuse and recycle), expanding it into a five-step process, where the most preferred actions are at the top and the least preferred are at the bottom of the inverted pyramid.

- Co-processing is a globally recognized technology used to treat waste in energy-intensive industries, such as cement. It transforms waste materials by applying high temperatures for an extended time.
- During co-processing, the minerals found in waste replace limestone, clay or iron, while the combustion provides the energy needed for clinker production.
- As a result, 100% of the waste input is recycled and recovered without producing residue.

CO-PROCESSING IS THE OPTIMAL SOLUTION FOR WASTE THAT CANNOT BE PART OF A TRADITIONAL RECYCLING CHAIN, AS IT TRANSFORMS WASTE INTO VALUABLE RESOURCES WHILE MINIMIZING ENVIRONMENTAL IMPACT.



PROMOTING A TRUE CIRCULAR ECONOMY

The linear economic model is no longer sustainable; resources are consumed and disposed of faster than the planet can replenish. All economic sectors must adopt a circular economic model. Our process ensures the recovery of thermal energy and the recycling of mineral content from non-recyclable materials, allowing us to incorporate them into a new process through co-processing.



Our process is backed by several international bodies and adheres to strict regulations, standards, and environmental permits to ensure the health and safety of people and the environment.

For instance, it is supported by the Basel Convention and the European Commission.

Unlike traditional disposal methods, co-processing ensures the complete destruction of waste without leaving harmful residues. This process helps reduce landfill waste and lower carbon emissions, establishing it as a sustainable and eco-friendly solution for development.

Our co-processing technology is unique because it involves the recovery of thermal energy and the recycling of mineral content for use in a new industrial process. These two applications support waste management legislation in 40 countries. The advantages of co-processing are widely recognized and have established foundations and specific guidelines for the process.

BENEFITS OF CO-PROCESSING IN CONTRAST TO CONVENTIONAL WASTE DISPOSAL



CO-PROCESSING

- The mixture created at Geocycle is incorporated into the cement production process.
- 100% of the waste input is recycled and recovered without producing residues or by-products.
- Waste materials are transformed by applying high temperatures (1,450°C) for an extended period in the cement kiln.



INCINERATION

- It does not recover thermal energy, only reduces the amount of waste.
- The thermal destruction reaches only 800°C over a duration of 2 seconds.
- It produces 20% of ash as waste.



LANDFILLS

- They do not recover thermal energy nor recycle mineral content
- Leachates can contaminate groundwater tables.
- Illegal landfills have a significant negative impact on the environment (land, air, water), harm local fauna and communities (health issues, odors), and pose risks of fires and high greenhouse gas emissions.

CIRCULARITY:

THE CORE OF OUR STRATEGY



A SOLUTION FOR SIGNIFICANT WASTE CHALLENGES ACROSS THE REGION

UNA SOLUCIÓN PARA LOS GRANDES DESAFÍOS DE RESIDUOS EN LAS COMUNIDADES DEL PAÍS

En México existe una creciente preocupación con la problemática en la gestión de los residuos sólidos municipales, así como las llantas de desecho. El incremento de este tipo de residuos, representa desafíos ambientales, sociales y económicos para los municipios, en los que se requiere una solución global, atendiendo las necesidades locales y ofreciendo soluciones de

THE BEST SOLUTION FOR EXPIRED OR OUT-OF-SPECIFICATION (OOS) PRODUCTS

The waste generated is not only an environmental issue; the improper handling of packaging and brands in an unregulated market is also a significant concern. At **Geocycle**, we monitor the traceability and security of our processes using CCTV. Additionally, our collection and transfer services are equipped with a satellite-based geographic location system.

This specialized approach reduces both business risks and environmental impact, ensuring compliance with stringent standards while supporting our clients' needs. Ultimately, it provides peace of mind that waste is being handled by a team of experts.



ZERO WASTE TO LANDFILL

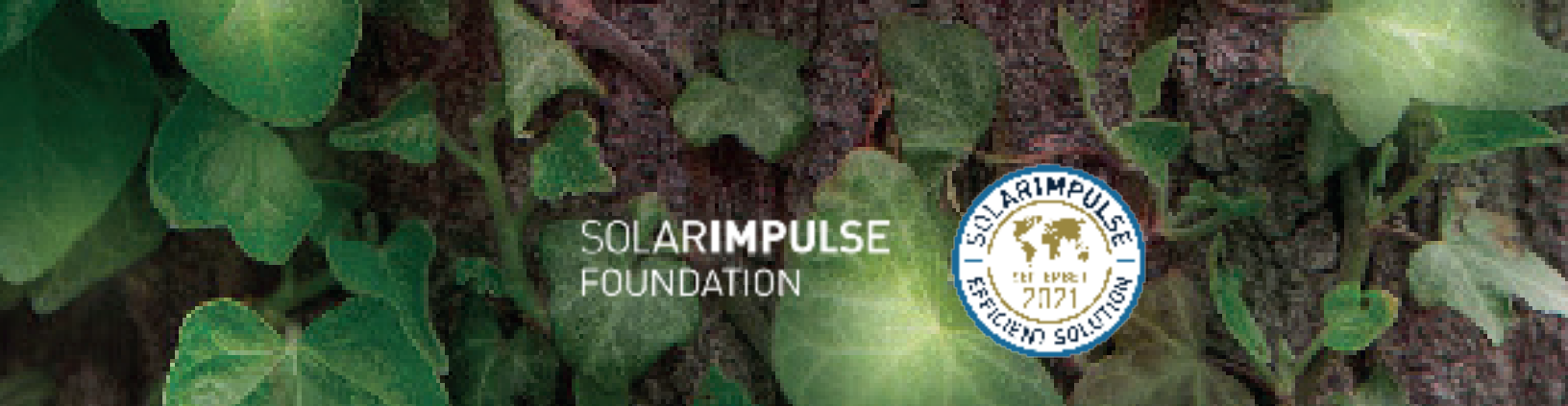
The advantages of promoting a circular economy have been recognized by many companies, preventing the waste generated by their processes from being buried in landfills. This approach encourages the incorporation of waste into other processes, ensuring that it is converted into a resource for other industries. With the support of our clients, we identify the most sustainable solutions for their waste through our infrastructure and innovative technology.



WASTE MANAGEMENT IN THE AGRICULTURAL SECTOR

Our circular solutions effectively manage large amounts of agricultural waste, preventing it from being sent to landfills or open-pit dumps while ensuring the best management alternatives. This solution contributes to a circular economy and promotes a more efficient use of the resources.





SOLARIMPULSE
FOUNDATION



Solar Impulse Foundation is an international organization dedicated to identifying, selecting, and promoting clean energy solutions that safeguard the environment while ensuring economic viability.

The organization established a label for clean solutions whose environmental benefits are supported by a robust economic model. Currently, approximately 500 solutions have received this label.

Geocycle rethinks waste to offer innovative methods for managing it. Our aim is to promote the transition to a circular economy and build a future without waste. This is why our cutting-edge waste management solutions, which guarantee the efficient use of waste's inherent value, are supported by the Foundation.

Efficient and profitable solutions for sustainable and economic growth Geocycle has three initiatives recognized with this distinction, part of a portfolio of over 1,400 solutions capable of profoundly transforming the energy paradigm.

PlaNet 
Solutions

GECCYCLE

Geocycle Latin America is part of the Holcim Group, the leading partner for sustainable construction, whose purpose is to build progress for people and the planet. Geocycle provides circular solutions for waste management, transforming waste into valuable resources and supporting a more sustainable future.

- In 2025, Geocycle supported Holcim's decarbonization by recycling 12.6 million tons of waste.
- By doing so, Geocycle contributes to a circular economy, reducing environmental impacts and delivering tangible benefits to society.



GEOCYCLE



Geocycle, turn waste into progress.

Trough Geocycle, we provide circular solutions to over 10,000 customers across 40 countries worldwide. Our clients include industrial companies, service providers, municipalities, and waste management firms. We have the infrastructure, personnel, and expertise necessary for the safe collection, transportation, storage, and co-processing of waste.

In **Latin America**, more than 450 collaborators work across 14 strategically platforms located throughout the region.



GEOCYCLE

CONTACT US



E-mail: comunicacion.geocyclelatam@geocycle.com

FOLLOW US



GEOCCYCLE

