

Sustainability Report 2025 Transformative Technologies for a Profitable and Sustainable Future



At ATYC, as an integrator of innovative technological solutions, we present this report that brings together four disruptive technologies developed by strategic allied companies, which are generating exceptional value while addressing critical environmental challenges.

Technology that transforms urban waste into clean and continuous electricity, generating income from energy sales and carbon credits while solving the problem of landfills.



1. Energy Recovery from Waste

Technology and processes

Integrated process: System that first recovers valuable recyclable materials, then converts organic waste into biogas, and finally transforms the remaining material into energy through high-temperature plasma.

Dual income source: 24/7 electricity sales and marketing of carbon credits in international markets.

Solution to the waste problem: Drastically reduces the need for landfills, decreasing soil and water pollution.

Circular economy: Recovers valuable materials that return to the production cycle, creating additional value chains.

Implementation example: Waste Recovery Plant in Risaralda, Colombia

Processing capacity: 300 tons of daily waste (equivalent to that generated by a medium-sized city)

Income generation: 15 MWh of constant electricity, sufficient for thousands of homes

Positive environmental impact: Avoids the emission of 380,000 tons of CO₂ annually

Added social benefit: Creation of 35 direct jobs and improved conditions for local recyclers



Technology that converts used oils and waste into aviation fuel, drastically reducing the carbon footprint of aviation with a high-demand, premium-priced product.



2.Sustainable Aviation Fuels

Technology and processes

Solution to a global problem: Aviation urgently needs clean alternatives to comply with increasingly strict environmental regulations.

Patented innovation: Unique system that combines two processes into one, reducing production costs and increasing profit margins.

Low-cost raw materials: Uses waste such as used cooking oils, plastic waste, and old tires, turning a problem into an opportunity.

Competitive advantage: Process that doesn't require water, reducing operating costs and improving business sustainability.

Guaranteed market: Global airlines are required by regulation to incorporate increasing percentages of these fuels.

Implementation example:

SuRF Project in Rionegro, Antioquia, Colombia

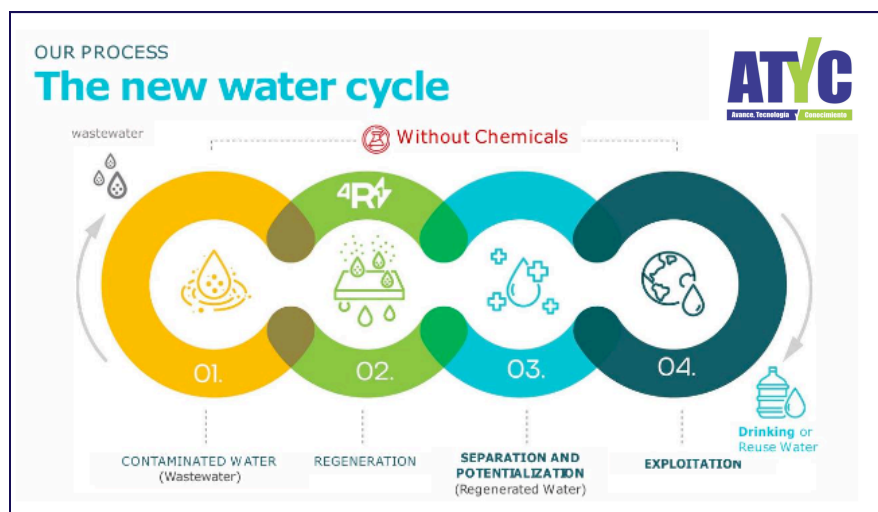
Attractive numbers: Initial investment of USD \$3 million with projected revenues of USD \$44.9 million annually

Multiple revenue streams: Sale of premium fuel, glycerin as a byproduct, and up to 65,000 carbon credits annually

Scalability: Modular design that allows expansion of production or replication of the plant in new locations

Accelerated ROI: Return on investment before the third year of operation

Revolutionary system that purifies wastewater to make it potable, without chemicals and with lower operating costs than traditional methods, ideal for areas with water scarcity.



3. Advanced Water Regeneration

Technology and processes

Solution to the water crisis: Technology that addresses one of the greatest global challenges: access to clean water.

Chemical-free process: Uses advanced physics (plasma, ultraviolet light, and others) instead of costly and contaminating chemical products.

Total elimination of contaminants: Removes substances that conventional systems cannot, such as microplastics, pharmaceuticals, and heavy metals.

Flexible business model: Adaptable to multiple sectors (industrial, municipal, agricultural) and scalable according to needs.

Competitive advantage: Lower operating costs, less space required, and superior results compared to traditional technologies.

Advantages

Reduced time to market: Rapid implementation (months, not years) compared to traditional plants

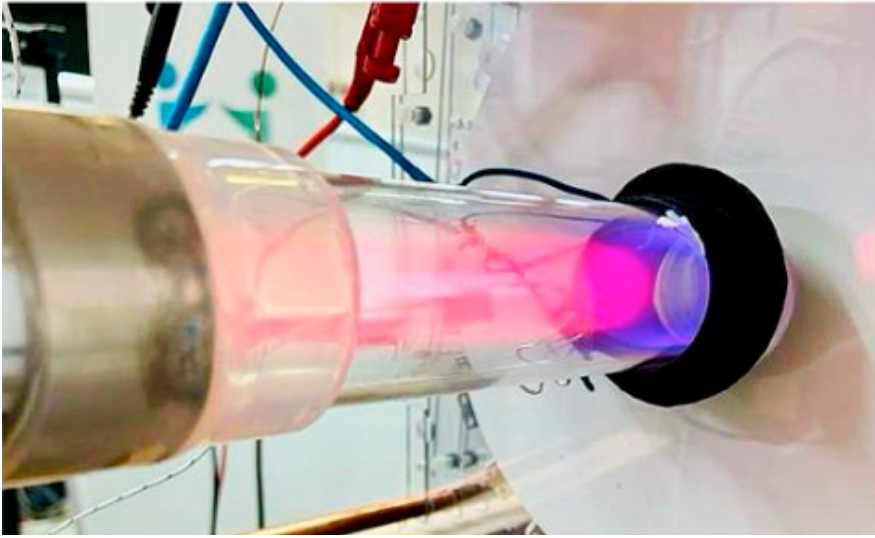
Lower infrastructure investment: Compact solution that requires less space and civil works

Multiple potential markets: Applicable in industrial, urban, and rural areas with water stress

Alignment with SDGs: Directly fulfills sustainable development goals, facilitating international financing

Technology that replicates the sun's energy process on Earth, generating clean and practically unlimited electricity without the disadvantages of other renewable or nuclear energy sources.

4. Plasma Fusion Energy



Technology and processes

The energy holy grail: Produces energy as the sun does, without emissions, without radioactive waste, in a compact space and continuously.

Fundamental advantage: Unlike solar and wind, generates electricity 24/7, regardless of weather conditions.

Intrinsic safety: Cannot suffer catastrophic accidents like traditional nuclear fission.

Superior scalability: Can be adapted for both industrial applications and complete urban networks.

Expanding market: The demand for clean, reliable, and high-density energy is growing exponentially worldwide.

Advantages over other energy sources

Compared to fossil fuels: Zero CO₂ emissions and no dependence on volatile raw material prices

Compared to renewables: Continuous supply without the need for costly storage systems

Compared to conventional nuclear: No problematic radioactive waste or serious safety risks

Disruptive potential: Capacity to completely transform the global energy market

Conclusion

The technologies presented in this sustainability report represent the perfect convergence between positive impact and financial profitability. At ATYC, we are committed to identifying, developing, and scaling solutions that generate attractive returns while significantly contributing to the most urgent environmental challenges of our time.

For investors looking to diversify their portfolio with high-yield sustainable assets, these technologies offer a unique opportunity to participate in emerging markets with strong regulatory support and growing demand. Our focus on modular, scalable solutions with multiple revenue streams ensures that these investments are not only environmentally sustainable but also financially robust in the long term.

We invite you to explore these opportunities and discover how sustainability can become the most powerful growth engine for your investment portfolio.

💰 Minimum Initial Investment Overview

Project	Estimated Amount (USD)	% of Total Investment
WTE (Waste to Energy)	4.5 million	3% (equity contribution)
SAF (Sustainable Aviation Fuel)	3.5 million	100% (full investment)
Water Regeneration	1.0 million	60%–80% of a 100 m ³ /day plant
Plasma Energy	10.0 million	30% of first reactor cost

Strategic Allies:

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