



H2life E-Generation: Clean Energy from Waste

Thermo-chemical, non-incinerating process to transform Waste into energy.

H2life E-Generation leverages advanced **non-incineration thermal technology** to convert virtually any organic waste, including plastics, biomass, food waste, and manure, into clean electricity with **minimal carbon emissions**.

- ✓ **Versatile** – Processes all organic waste streams in a single system.
- ✓ **Scalable** – **20 tailored models** producing **10–1,000 kWh/day** to match your needs.
- ✓ **Smart & Autonomous** – Compact, fully automated, **AI-driven controlled** for optimal efficiency.
- ✓ **Sustainable** – The ultimate **waste-to-energy solution** to decarbonize operations for:
Hotels & Resorts, Shopping Centers, Industrial Facilities, Agriculture & Farms, Waste Treatment Plants



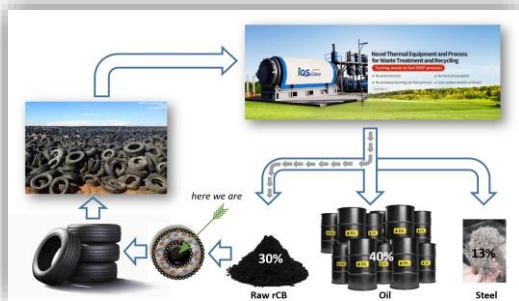
Hygimed Py System: Advanced Waste-to-Energy Technology, Sustainable Thermal Decomposition for Clean Energy.

Hygimed Py System utilizes a cutting-edge **oxygen-free thermal decomposition process** to convert waste into valuable energy and byproducts—without incineration or environmental harm.

Ideal for industries, MSW plant and recycling centers - seeking **sustainable waste management and energy recovery**,

Key Features & Benefits:

- ✓ **Waste Conversion to energy**, including plastics, tires, biomass, and organic waste (MSW)
- ✓ **Eco-Friendly Process**: low air pollution, minimal carbon emissions, no wastewater or solid waste.
- ✓ **Autothermal operation**, self-sustaining with no external power required.



Hygimed deashing – an advanced non-heating technological process for production rCB from scrap tires.

Our **three-stage process** combines **two complementary solutions** with **three powerful physical equipment** to efficiently reduce ash content to **less than 0.3%**, meeting industry standards.

Key advantages:

- ✓ **No heating** – Energy-efficient and cost-effective with zero carbon emission
- ✓ **No aggressive or harmful chemicals** – Safe and low footprint process
- ✓ **No harmful residues** – Clean and sustainable process
- ✓ **Continuous automatic process** – Thoroughly removes ash from both external and internal surfaces of the carbon matrix
- ✓ **Small-scale and low-cost equipment** – Ideal for on-site applications