

bia
energy



**Transforming
Food Waste into
Clean Energy**

Bia Energy is the market leader in Ireland's organic waste to energy sector.

Our mission is to accelerate Ireland's transition to clean energy by transforming organic waste into renewable fuel and biofertiliser.

The Opportunity

Connecting the dots

As Ireland drives the transition to renewable energy, there's a crucial piece of the puzzle that finally helps complete the circular journey - the 'last mile'.

This is where the handling and processing of organic waste comes into play, forming an essential link in the value chain before the recovery and distribution of secondary resources. Our process begins with the receipt of organic waste from an array of sectors, including food production, food retail/ wholesale, hospitality, healthcare, education

and campuses. This 'last mile' is where the real magic happens, as these otherwise wasted resources are diverted away from landfills and incineration, setting the stage for their transformation into high quality biomethane (aka renewable natural gas - RNG) and nutrient rich organic fertiliser.

We close the loop on Ireland's Food waste challenge

Why Biogas?

- Renewable Fuel Production
- Waste Reduction
- Greenhouse Gas Reduction
- Organic Fertiliser Production
- Energy Independence
- Circular Economy
- Energy Diversification



Our Mission

Bia Energy

Bia Energy is a keystone in establishing Ireland's circular economy, by leading the way in the utilisation of food processing residues as well as short-dated and surplus packaged food from a multitude of sectors.

To transform this waste into high quality biomethane and nutrient rich biofertiliser (aka digestate), Bia Energy owns and operates Ireland's largest Anaerobic Digestion (AD) plant in Huntstown, Co Dublin. Located off the M50 motorway network close to both Dublin Port and Airport,

this site is strategically located to minimise transport and associated carbon footprint, making for the most efficient system in Ireland. The plant has an electrical grid connection for up to 4MW and has the capacity to produce over 120GWh of biomethane per year.

The Missing Link

Our solution

We offer a comprehensive, cradle-to-cradle solution, seamlessly transforming our customers' food and processing residues into renewable energy and nutrient-rich, organic fertilisers. In doing so, we provide renewable fuel to decarbonise the food supply chain but also supply high-quality organic fertilisers to help the growers kick start the cycle again.

We receive organic waste from all parts of the food chain, including agricultural residues, food processing, retail, distribution and hospitality. The waste is depackaged and processed in our class-leading anaerobic digestion facility, whereby natural decomposition is harnessed and the resulting gas is captured and upgraded to biomethane, which is used as a transport fuel or injected into Ireland's national gas grid.

About Us

Leadership team

We are led by a highly experienced ownership and management team with unrivalled local knowledge and key relationships in both waste and energy sectors.

Bia Energy is financed by Sretaw Private Equity, an Irish investment entity founded in 2021, committed to sustainability and innovative ventures.

We offer

- 01. Flagship plant in an uniquely central location**
- 02. AD Plant capable of 120GWh of biomethane**
- 03. 4MW Electrical Grid Connection**
- 04. Capacity to process 100,000 tonnes pa**

We provide a fully transparent view on the waste journey, detailing specific and measurable data and aiding in CSR initiatives and sustainability reporting.

Industry standards and best practice

Bia Energy operates to 3 key industry standards:

- ISO 9001 Quality Management
- ISO 14001 Environmental Management
- ISO 45001 Occupational Health & Safety Management



Call

tel: +353 1 631 6025

Email

info@biaenergy.ie