

Waste is a resource in itself



Bianna Ways2 represents a forward-thinking approach to waste management, focusing on the genuine and cost-effective circularity of the waste cycle.

Our philosophy centres on transforming waste from a liability into an asset, recognising it not only as a resource, but as a key raw material for the economic independence and decarbonisation of strategic sectors.

Valorisation

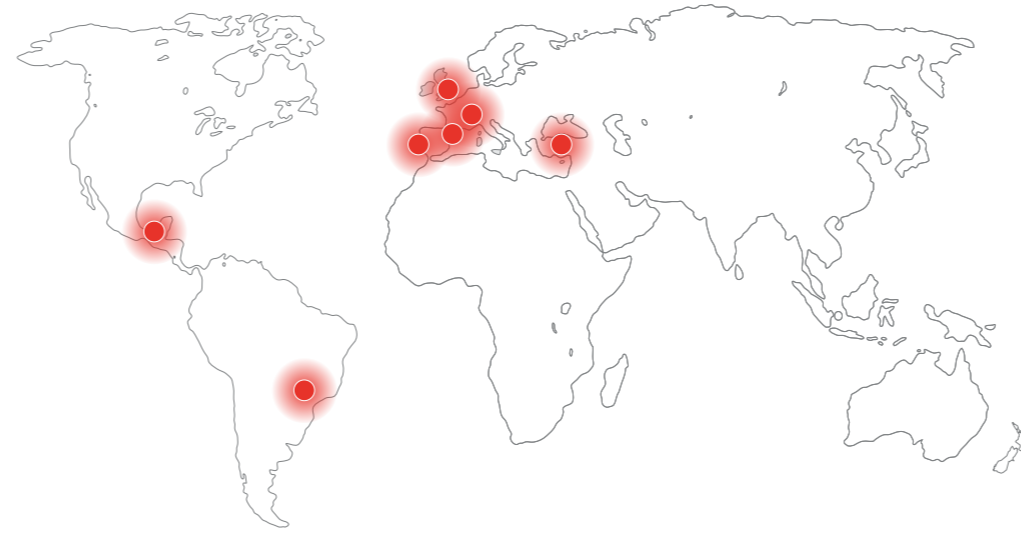
Versatility: Engineering and technology designed to process a wide variety of waste, adapting to the needs of multiple sectors.

New raw materials: Recovery of materials (plastics, paper, metals) with maximum purity for immediate reintroduction into the production cycle.

Maximum efficiency: Optimisation of each stage to achieve 'zero technical waste', reducing final landfill to less than 10%.



Global reach and infrastructure: Headquartered in Girona (Spain) and with an international presence, Bianna has six sites and over 86,500 m² of in-house production capacity spread across facilities in Spain, Turkey and Brazil, and operates in more than 30 countries.



- Spain
- Portugal
- France
- UK
- Latam
- Brazil
- Turkey

At Bianna, we are a leading multinational specialising in the engineering, design, manufacture and financing of advanced technological solutions for the management, treatment and recovery of waste.

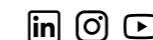
With over 40 years of experience and more than 1,100 projects and client references worldwide, we transform waste from an environmental liability into an economic asset. Our commitment is to promote the circular economy and lead the decarbonisation of strategic sectors, demonstrating that sustainable waste management will be profitable or it will not be at all.

Comprehensive technology provider: The company offers turnkey solutions that integrate 360° solutions with our key technologies:

Mechanical and Biological Treatments MBT Equipment and plants for material recovery	Thermo Value Solutions TVS Thermal processes, encompassing combustion, drying and energy recovery	Bianna Renting Services BRS Financial flexibility tied with your operations	Bianna Green Ways BGW The place where Bianna technologies come to life	Bianna Aftersales BAS Comprehensive solutions for optimal operational efficiency
--	--	--	---	---

Service ecosystem: We have designed a comprehensive service ecosystem around our technology, designed exclusively to maximise the return on your investment, facilitate the viability of your projects and ensure your peace of mind in the long term.

Certified Corporation Our technology creates real value, reducing our environmental impact and ensuring the sustainability of the planet and its people, both within and outside Bianna.



bianna.com





We plan, design and build complete facilities for the treatment and recovery of a wide variety of waste types. Our industrial capacity enables us to deliver highly customised turnkey solutions, integrating various levels of automation according to the operational requirements of each project.

The central goal of our engineering is to maximise operational profitability by optimising material recovery processes and systematically reducing the waste fraction.

Plant engineering

Comprehensive engineering and turnkey projects

MSW - Municipal solid waste

Integration of mechanical and biological processes that enable the precise separation of organic fractions, recyclable materials (plastics, metals, paper) and high-calorific-value streams for energy recovery.

MRF - Light packaging

The primary aim of sorting and selecting lightweight packaging is to recover recyclable materials and reduce waste. Bianna designs and manufactures the key equipment for these facilities and incorporates advanced separation technologies.

BMS - Biomass

Complete facilities for the processing of forestry and agricultural biomass for subsequent energy recovery.

BIO - Biological treatments

Processes designed to operate continuously using degradation systems that subject the material to slow, constant rotational movement and mechanical friction, combined with forced aeration systems to produce a homogenised, disintegrated and degraded residue.

IND - Industrial waste

Tailor-made solutions for the recovery of non-hazardous industrial waste, the separation of recyclable materials and the production of waste-derived fuels.

C&D - Construction and demolition

Specialised mechanical processing lines for the production of clean aggregates, focused on the recovery of recyclable materials and the production of marketable by-products.

BCT - Bianna Covertech

A technological solution for the biological treatment of biodegradable waste (MSW, waste from large-scale producers and sewage sludge), which produces high-quality compost with minimal investment and operating costs, as it requires no construction work or biofilters.

RDF - Alternative fuels

Treatment modules for the production of alternative fuels, such as RDF or CDR, with the aim of maximising the recovery of waste, minimising landfill and generating electricity, heat or fuel for co-incineration in cement plants.

MET - Metals

Recycling ferrous and non-ferrous metals leads to energy savings by reducing the need for extraction and processing. Solutions for the mechanical treatment and separation of recovered metals into clean fractions.

SB - Ballistic Separator

High-precision mechanical sorting equipment for separating streams of solid waste based on criteria of size, density and shape.

BD - Biodrum

Designed to optimise the biological-mechanical pretreatment of waste, simultaneously achieving partial degradation and drying (reduction in moisture content) of the material through a controlled rotational movement.

TR - Trommel

Essential equipment in any mechanical treatment plant. Screens tailored to the treatment capacity, the material to be processed and the desired particle sizes, among other factors.

OC - Open Crash

Designed to ensure that bags can be opened without damaging the contents. This is key to improving the effectiveness of sorting and subsequent recovery.

SS - PEBD Suction System

A standard yet customisable solution that integrates collection, conveyance, decanting and air cleaning into a single continuous system. It ensures optimal separation of the plastic film fraction.

CB - Conveyor Belts

Renowned for their robustness, safety and versatility, conveyor belts are specifically tailored to the material, location and equipment to be fed.

SF - Screw Feeder

Designed to ensure a continuous, stable and precisely metered feed of the material to be processed. They are the ideal starting point for lines that process bulk, dense or moist materials.

BP - Bottle Piercer

Compact and easy-to-maintain equipment designed to perforate lightweight containers (mainly PET), thereby increasing the efficiency of the baling process by improving compaction.

MW - Windsifter

Density separator for separating light material intended for CSR production, separating the heavy (inert) fractions and protecting the secondary crushers.

MM - MashMaster

With its robust housing and advanced shredding technology, this equipment transforms mixed waste streams into a perfectly conditioned mass, ready for optimal fermentation or digestion.

ISD - Inert Separator Drum

Precise separation of fine particles. It removes the aggregates, purifies the flow and enhances the value of the resulting material.

Official partnership for Spain and Portugal

FINLAY
A TEREX BRAND

ECOTEC

High-performance technology designed for mechanical and biological processes

Key machines

Our range of individual units forms the technological core of mechanical-biological treatment plants.

These units have been specifically designed to achieve high performance in the sorting and separation of materials, enabling the production of high-purity by-products and optimising operating costs (OPEX) throughout the project's entire life cycle.