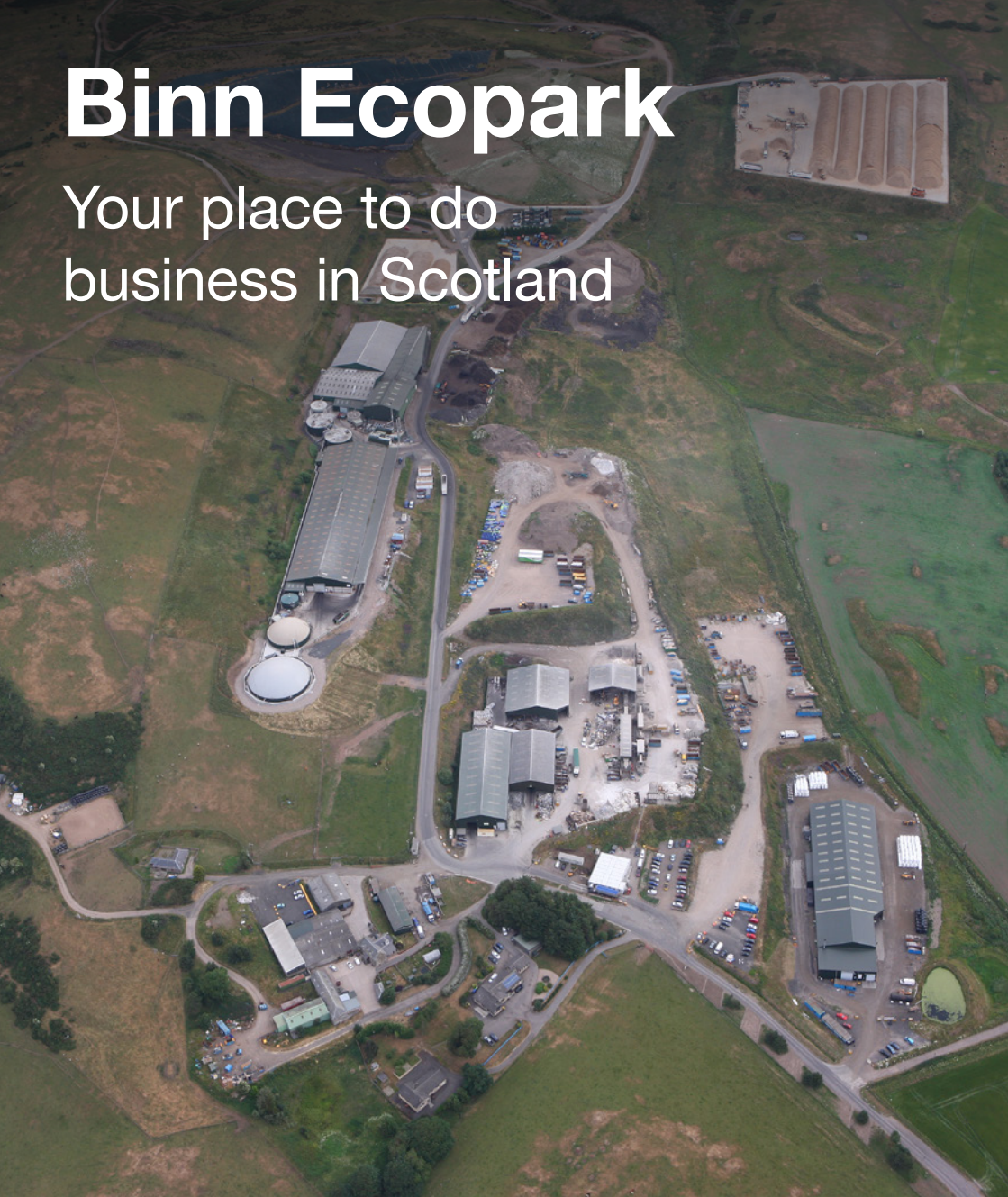


# Binn Ecopark

Your place to do  
business in Scotland





# Contents

- 3 Binn Ecopark**  
An established resource management centre, with opportunities for your business
- 4 Binn Group**  
One of Scotland's leading resource management businesses
- 6 Binn Ecopark**  
Site Layout
- 8 Circular Economy and Clean Technology opportunities**
- 9 Project Beacon**  
A transformative plastics recycling initiative
- 10 Choose Perth**  
10 reasons to choose Perth



# Binn Ecopark

As an established and growing circular economy focused resource management centre, Binn Ecopark is a great place to do business.



- Two MRF facilities
- 30,000tpa Food waste anaerobic digestion facility
- In-vessel green-waste composting
- Residual Waste SRF Plant
- Waste wood processing and storage
- Four turbine 9MW wind farm (Lower cost, low-carbon private grid system)
- Advanced Plastics Recycling Facility (A-PRF) (In development)
- EfW Plant (Planning permission granted – funding partner selected)



- 01 Space to locate on a 200ha site
- 02 Tay Cities Deal and Zero Waste Scotland support
- 03 Exceptional transport infrastructure
- 04 Innovation focused and growing circular economy resource management centre, supply chain and support network



# Binn Group

## One of Scotland's leading resource management businesses

**As an established and growing circular economy focused resource management centre, Binn Ecopark is a well-connected location for businesses seeking to move to Scotland.**

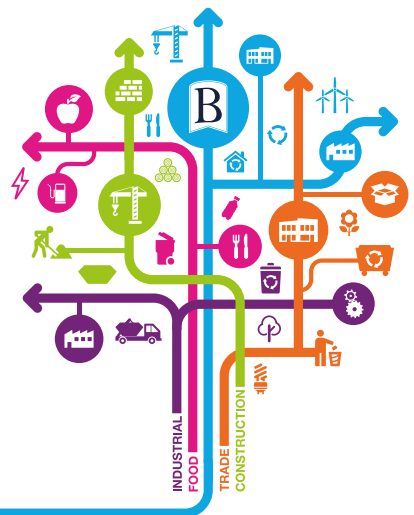
Since the development of the Binn landfill site, which closed in September 2014, the 200 hectare Binn Ecopark and resource management facility has expanded and diversified. Development has included:

- two separate Material Reclamation Facilities (MRF) treating commercial, industrial and municipal waste
- a 30,000tpa anaerobic digestion facility
- in-vessel and green-waste composting facilities
- a Residual Waste Solid Recovered Fuel (SRF) Plant
- a waste wood processing and storage facility.



**Our Resource Tree shows, in a simple form the range of waste materials that we recycle and the potential for re-use opportunities that each resource provides.**

The tree is a symbol of hope and growth. We believe the tree represents our business, with strong roots providing valuable services to many organisations across Scotland and branches showing how we can redistribute resources for re-use.





The site processes over 300,000 tonnes of waste annually. Binn Group currently employs over 170 employees in its core waste management activities.

Planning consent has recently been secured for Project Beacon, an Advanced Plastics Recycling Facility (A-PRF). The plant combines mechanical and chemical plastics recycling systems. Planning is also in place for a small energy from waste plant.

Our four turbine 9 MW wind farm is under construction and will enable one of the UK's first low carbon, low-cost private grid systems. With this stimulus, Binn Ecopark aims to expand as a site for new advanced resource management processes, to become one of the most integrated and low carbon resource management facilities in Europe.

Binn Ecopark will also focus on developing additional renewable energy capacity, including a solar farm and battery storage system to complement wind generation. On-site heat generation systems including a small incinerator and a biogas engine, will generate waste heat for high-value

crop production (including medical products) in advanced growing systems. The site aims to develop a training, education, research and development centre, promoting low carbon and clean technology systems. We seek to enable both electrical and hydrogen vehicle systems.

The site is involved in the UK, and Scottish Government funded £300m Tay Cities Deal. This has evolved links across the wider Tayside economy, with advanced low carbon technology projects involving all four regional unitary authorities, Dundee University, St Andrews University, University of the Highlands and Islands, the James Hutton Institute and private developers.

With exceptional transport infrastructure (road, rail and marine) the Binn Ecopark facility sits at the logistical heart of Scotland, linking the East, West, North and Central Belt regional economies. With support from Invest In Perth, the site is a great place to locate for the next generation circular economy, low carbon eco-innovation business in Scotland.

# Binn Ecopark Site Layout

Development space available



## 01 Landfill Site (closed)

The Binn Landfill operated as a non-hazardous disposal facility from 1994 until 2014. The closure represents the success of Scottish recycling, with disposals to such sites dropping sharply over recent years.

## 02 Wood Recycling

SUEZ operate this facility to recover waste wood for use as a fuel in the RWE Biomass Energy facility at Markinch, Glenrothes. Waste wood is delivered to the site where it is screened for contaminants, shredded and any metals removed.

## 03 Food Waste Recycling

The anaerobic digestion (AD) facility operated by Earnside Energy Ltd processes about 30,000 tonnes of food waste each year from households and businesses across Tayside and Fife, producing nutrient rich digestate, compost and power.

## 04 Windrow Composting

An essential part of the composting process, Binn Ecopark has capacity for significant volumes of windrow composting.

## 05 Soils and Aggregate Recycling

Binn Group collects waste materials across a wide geographic area. Materials are also delivered to the site for treatment from companies as widespread as Aberdeen, Inverness, Edinburgh and Glasgow, as well as throughout the Central Belt.

## 06 Advanced Plastics Recycling Facility

Site for Advanced Plastics Recycling Facility (A-PRF) for Pi Polymers Ltd and Recycling Technologies Ltd. This facility will mechanically and chemically recycle a wide range of plastics, processing up to 30,000 tonnes of material per annum.

## 07 Trade Waste Reception

Trade waste from shops, hotels, schools, colleges, sporting facilities and public events. Different to industrial materials, it is processed separately to recover plastic, metals and cardboard with the residual material used to produce SRF.

## 08 Main Waste Reception

The heart of the Binn Group recycling operation, main waste reception area deals with our heavy skip wastes and processes this material through two picking and separation lines.





#### 09 **Dry Mixed Recycling (DMR)**

This facility is operated by SUEZ and processes kerbside collected mixed dry household recyclates, collected by Perth and Kinross Council and other local authorities.

#### 10 **Maintenance and Engineering**

The Binn Group operates a fleet of over 50 collection vehicles plus multiple type trailers and a range of earth / materials handling plant. Binn operate on-site vehicle maintenance facility and fabrication workshops.

#### 11 **Main Office**

The main office and reception provides support for all on-site activity at Binn Ecopark, as well as meeting spaces. With a strong focus on environmental and health and safety compliance, this is the administrative centre of our business.

#### 12 **Operations Centre**

The Operations Centre provides welfare space for on-site staff and vehicle teams. As well as housing the weighbridge team, it's the operational base for all site based activity, delivery / pickup scheduling and customer support.

#### 13 **SRF and RDF Facility**

The Residual Waste Solid Recovered Fuel (SRF) Plant commenced operation in 2015 and produces a high quality waste fuel comprised mainly of non-recyclable plastics, paper, cardboard, textiles and wood.

#### 14 **Proposed EfW Facility**

Planning permission is approved for a 60,000tpa energy from waste (EfW) facility on a 3ha site. There are opportunities for utilising residual heat from the facility to heat polytunnels, supporting agriculture in the circular economy.

# Your waste is changing

# Circular Economy and Clean Technology opportunities

**Binn Ecopark is an important employer within Perth and Kinross, employing over 170 people. It is anticipated that this figure will increase to over 300 as new enterprises come on stream.**

The Circular Economy and Clean Technology sector builds on the significant natural resources (hydro, wind, solar) that Perth and Kinross has to offer. The sector benefits from a well established and growing supply chain and support network of which Binn Ecopark is the flagship initiative.

The Binn Wind Farm will provide renewable energy for site use. It will act as a catalyst to stimulate new business and training initiatives and encourage economic growth in this rural part of Perthshire.

Waste to Energy and solar power will complete the energy mix at the facility and support the transition to advanced food production and other clean technology developments.



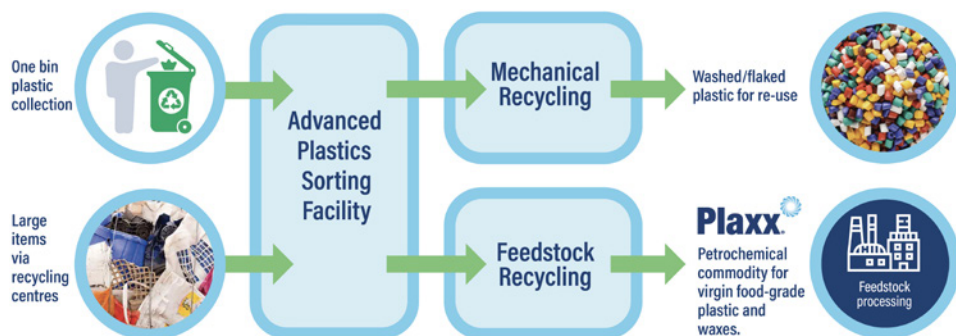
## Key economic aims

- Develop Circular Economy and clean technology businesses and industries, research expertise and product development facilities.
- Encourage the facilitation of economic diversification, particularly in rural Perthshire and beyond; where local economies can be too narrowly focused on a few key sectors.
- Develop a local skills strategy to ensure the availability of skilled and well-trained people and to ensure that opportunities for training, learning and employment are available for all.



# Project Beacon - Advanced Plastics Recycling Facility

## Innovation for Circular Economy Plastics



**Project Beacon at Binn Ecopark, is a collaboration between the Binn Group, EcoideaM Ltd, Pi Polymer Recycling Ltd and Recycling Technologies Ltd. This group is developing a new concept Advanced Plastics Recycling Facility (A-PRF).**

The facility will enable 'all plastic' collections and will provide a level of plastics recycling beyond 80%. The project is supported by financial assistance from Zero Waste Scotland (£1.7m) and the Tay Cities Deal (£5.2m).

Whilst there are many components to the solutions that are necessary to resolve the global problem with the mismanagement of plastic waste, the Project Beacon approach takes the complexity of plastics recycling away from the consumer by enabling all plastic collections. This makes

## Project Beacon

International partnerships delivering a new concept for circular economy plastics



consumer participation easier and will significantly increase capture rates.

The A-PRF will accept all common types of plastic in a given catchment and sort this material in a purpose-built new concept advanced sorting plant for mechanical or chemical recycling.

Technical partners and investors are still being sought for the Beacon Phase II proposal, to develop the Advanced Plastics Sorting Facility supported by the Tay Cities funding.

# Choose Perth as your place to grow your business



**Perth continues to grow to become one of Europe's great small cities and demand for development land is expanding in both the residential and industrial sectors.**

When it comes choosing the best location for your business investment in Scotland, Perth City region offers a wealth of opportunity. With a strong regional city economy, a steadily growing population and a draw of 9 million tourists each year, we are a prime location for business start-ups, growth relocations and large corporate headquarters.

The city and the wider region is already home to several corporate headquarters, including energy giant SSE, Aviva, Stagecoach and Highland Spring. Perth is a place of growth, with strong heritage

and a bright future across a number of key industries and sectors including food and drink, renewable and clean technology, construction, tourism and financial services.

Ensuring access to a skilled and satisfied workforce is crucial to all business development and Perth is very much a city that has grown with and for its people. Consistently scoring high in the Top Ten of the Bank of Scotland's annual happiness index, there is a focus on quality of life and opportunities for all. So much so, that 85% of those working in the Perth city region also choose to live here.

Perth's current population growth projections show a 27% increase in the next 20 years, taking the catchment from 148,233 to 190,000. Extend that into

the Tay Cities region, in which Perth is a major player thanks to the 2018 Tay Cities Deal award, and this rises to a current population of over 750,000.

With access to four world class universities, Perth is a place of learning, innovation and is home to the largest campus of the University of Highlands and Islands. 77% of the population is employed, and 61% of that workforce (aged 18 – 65) is educated to graduate level.

Perth's unrivalled location on Scotland's east coast offers stress-free connectivity to the whole of the UK market, with strong transport links across road, rail and sea. International business travellers are only 40 minutes from Edinburgh International Airport and one hour from Glasgow Airport.

Perth is the perfect choice for businesses seeking a location which offers the best in work life balance for its workforce.

Investment opportunities are supported by Perth & Kinross Council's 'Open for Business' initiative. Invest in Perth is supporting co-ordination and joint promotion to attract further investment, research and employment opportunities at Binn Ecopark.



## Why Perth?

- 01 Strategic location
- 02 Quality of life
- 03 Growing population
- 04 Quality workforce
- 05 Exceptional transport links
- 06 Access to World Class Talent
- 07 Infrastructure investment
- 08 £500m of investment opportunities
- 09 Proven track record
- 10 Investor support and fast-track planning





## Ecopark Opportunities

**John Ferguson**

[john.ferguson@binnecopark.com](mailto:john.ferguson@binnecopark.com)

## Resource Management Opportunities

**Jim Brown**

[jim.brown@binngroup.co.uk](mailto:jim.brown@binngroup.co.uk)

## Binn Group Ltd

Binn Ecopark | Glenfarg  
PH2 9PX

**01577 830 833**

**Invest in Perth**  
Connect with business and life

## Investment support

[investinperth@pkc.gov.uk](mailto:investinperth@pkc.gov.uk)

## Perth & Kinross Council

Pullar House | 35 Kinnoull Street  
Perth | PH1 5GD

**01738 475300**



**01577 830 833**  
**[binngroup.co.uk](http://binngroup.co.uk)**