



**Blue Phoenix
UK**

Building a sustainable future

We give ash a new life.



Our story

At Blue Phoenix UK we strongly believe there is no such thing as waste.

With our passionate team, we work globally to help energy-from-waste companies recycling the seemingly unrecyclable.

We are not alone on our mission and join forces where we can. We work closely together with plant operators, governmental policy makers and regulators, engineers and scientists.

Together we can contribute to a more sustainable world.

We are Blue Phoenix Group **building a sustainable future.**

Our Profile

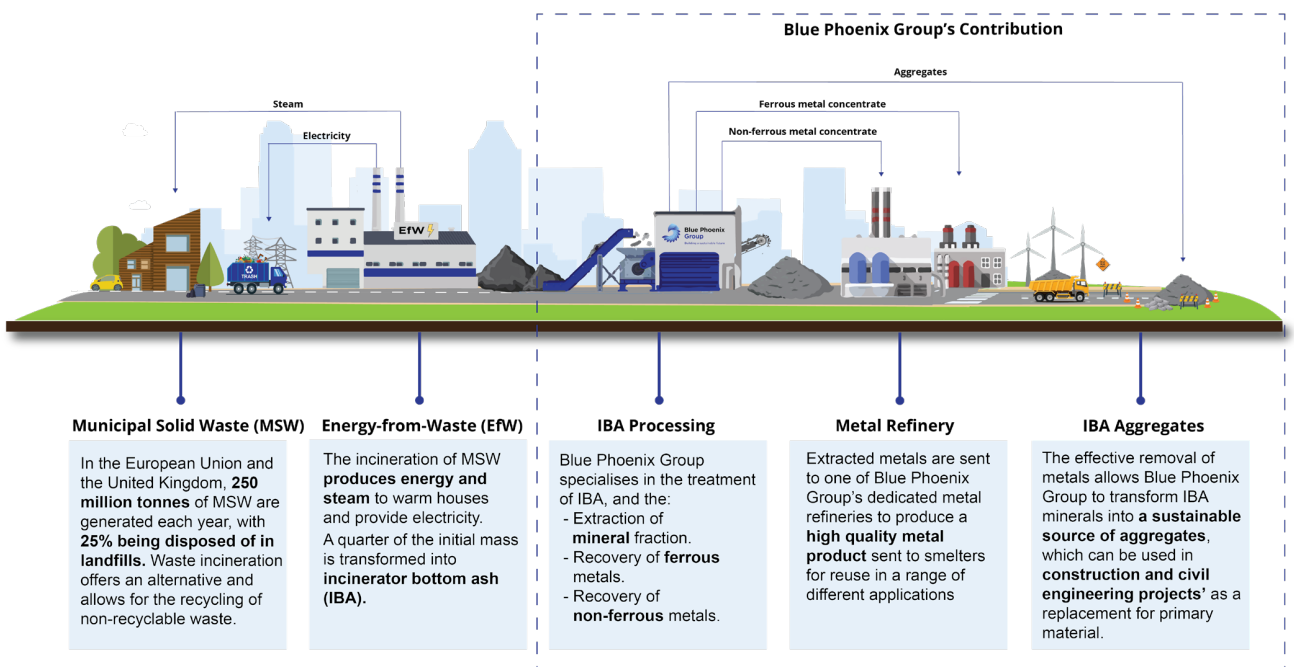


Our Mission

The climate crisis requires immediate action. Even if all countries that signed the Paris Agreement commit to their target reductions for greenhouse gas (GHG) emissions, the temperature is still forecasted to increase to 2-3oC. Alongside reducing GHG emissions, we must improve the circularity of resources. Adopting a circular economy has the power to shrink global GHG emissions by 39% and cut virgin resource use by 28% (1). We contribute to this strategy by recovering resources from incinerator bottom ash (IBA), thereby diverting waste from landfills and reducing primary resource extraction. This in turn helps to improve the sustainability of the Energy-from-Waste (EFW) sector.

1. Circle Economy. The Circularity Gap Report, 2021.

Our Contribution



Our Products

Blue Phoenix UK is the largest producer of Incinerator Bottom Ash Aggregates (IBAA) which has been used for over 20 years as a construction material. We offer extensive UK coverage for the supply of Specification for Highway Works and BS EN compliant Aggregates. Across the UK, in 2021, Blue Phoenix supplied over 1.2 million tonnes of sustainable construction aggregates from 11 operating facilities into a range of construction applications.

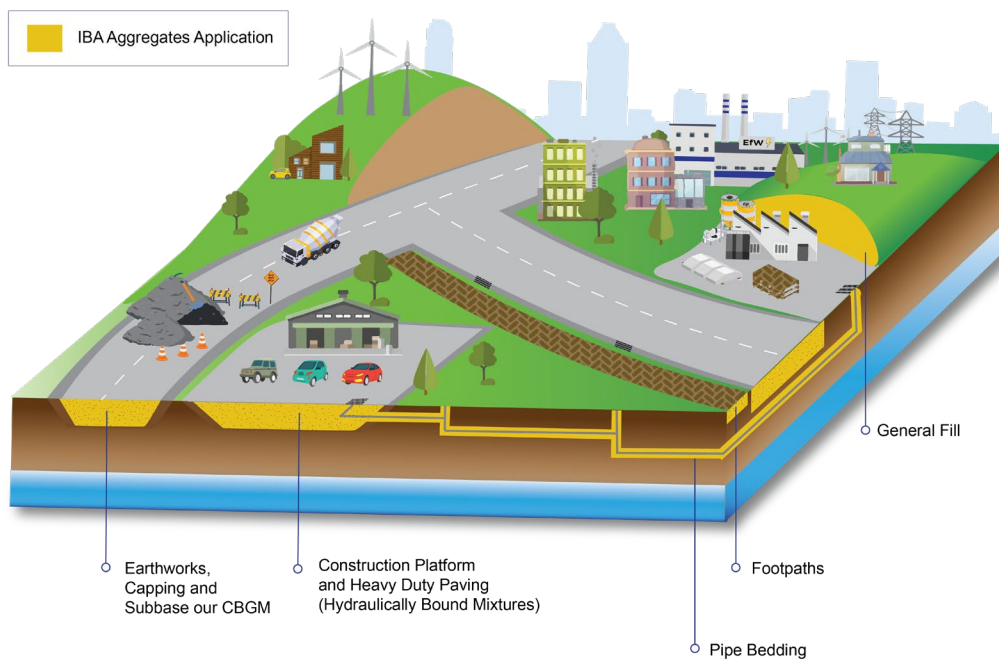
Unbound Aggregates

Type	Specification	Classification	Application
Type 1	SHW Clause 803	Subbase	Roads and Footpaths
Type 1 (Primary Blend)	SHW Clause 803	Subbase	Roads and Footpaths
Type 2	SHW Clause 804	Subbase	Roads and Footpaths
0/16	SROH	Subbase	Roads and Footpaths
Class 6F	SHW Series 600	Capping	Construction Platform
Class 1A	SHW Series 600	Fill Material	General Fill
0/10	SHW Series 500	Drainage	Pipe Bedding

Bound Aggregates

Type	Specification	Classification
0/10mm & 0/14mm	SHW Clause 822 & 823	CBGMs - Cement Bound Granular Mixtures
	SHW Clause 831 and 835	SBGMs - Slag Bound Granular Mixtures
	SHW Clause 947	Foamed Asphalt

Our Applications



Benefits & Sustainability

Improving the circularity of resources is at the core of the Group's business strategy. We believe that a circular economy is necessary to transition to a low-carbon, sustainable future. We process IBA from Energy-from-Waste (EfWs) to produce aggregates in urban located sites, preventing significant GHG emissions from resource extraction, production and transport.

IBAA Advantages

- 20% less material usage.*
- 20% less vehicle movements.*
- 250% less CO2 emissions.*
- Cementitious and mild pozzolanic performance benefits.
- Greater resource circularity and promotion of government recycling initiatives through resource extraction from waste streams that would otherwise have been disposed of.

* When compared against the use of primary aggregates

In Pictures

Compared to 10,000 tonnes of primary aggregate

51.7 tonnes of CO2 saved
against primary aggregates



50 homes annual energy
use from CO2 saved



100 20-tonne lorries
off the UK roads

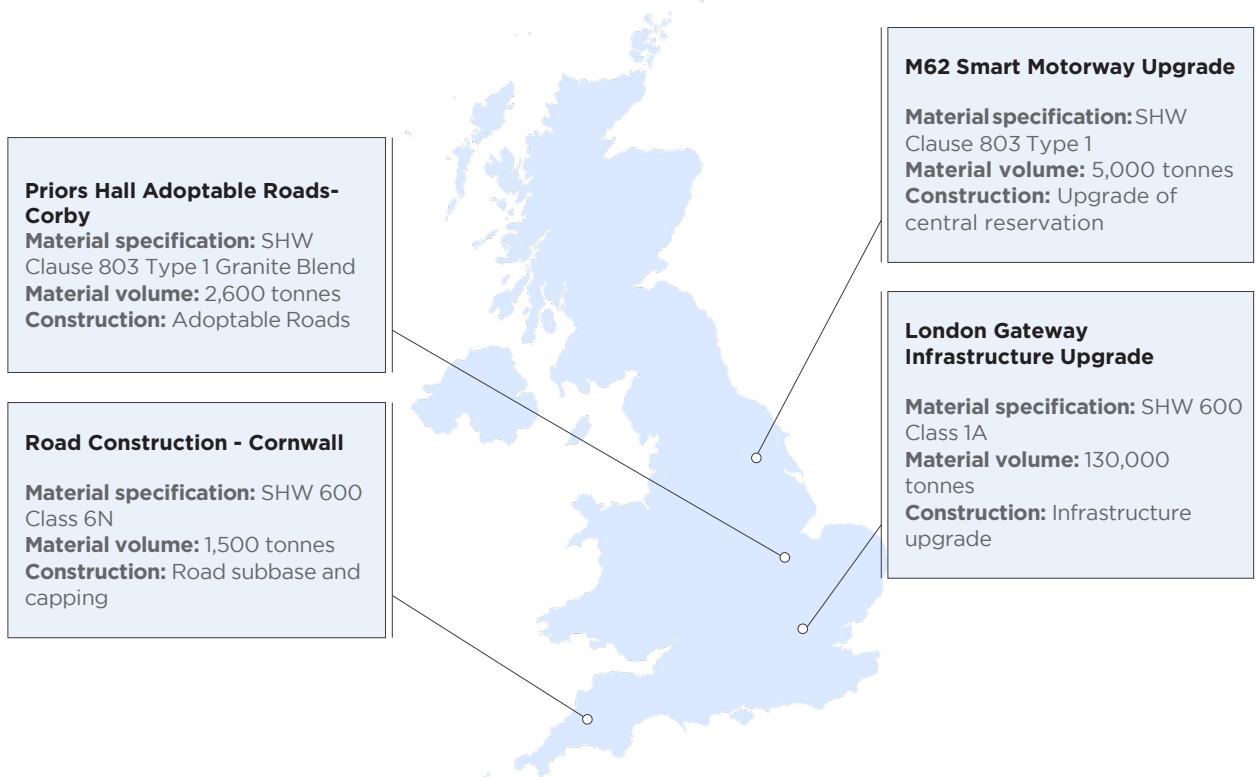


2000 tonnes of primary
resources saved



NB: The information in the above section is only applicable to 100% IBAA supplies and doesn't take into account the Primary Blend.

Case Studies



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