

# Sustainability Performance Report

## 12<sup>th</sup> Report: 2024 Data

### Our Commitment

We have always been committed to providing a high quality, sustainable product, produced to the highest possible standards.

We ensure that manufacturing potential is maximised through the reuse of otherwise waste materials, reducing the overall impact on landfill and subsequently minimising the effect upon the environment.

The business first achieved certification to ISO 9001 (quality management) back in 1990. In this year we also achieved our kitemarking licence and committed to making our blocks to a strict quality standard (EN 771-3). By 2012 we had added ISO 14001 (environmental management) to our list of certifications. Then, in 2020, ISO 45001 certification (occupational health and safety management) was achieved. In 2022, we met the standard for ISO 50001 (energy management), which holds us to high levels of energy management. In 2023, our integrated management system was certified to PAS-99.

The target for 2025 is to achieve certification for ISO 27001, the international standard for Information Security Management Systems.

### A Greener Future

When it comes to carbon emissions, the biggest cause of these is transportation. In 2022, Lignacite produced 1,254 tonnes of carbon emissions. 66% of these emissions were caused by our HGV fleet. That is a truly frightening statistic.

In 2023 we significantly lowered our carbon footprint by switching our plant vehicles to HVO. This resulted in over 400 tonnes less CO2 being produced each year.

For 2025 the focus will be on switching our extensive haulage fleet to HVO. This will be no easy task, but at Lignacite we are not afraid of big tasks and hard work. By switching to this much greener fuel, the potential CO2 savings are huge, with a potential to save over 700 tonnes of CO2 per year across the business.

The focus has currently been on monitoring the cost of HVO. This focus will continue but will now also extend to looking at how we can implement this change across the business.

Watch this space.

### The Circular Economy

A big focus point for 2024 and 2025 is moving the business towards a circular economy. For many years, the stand model used by businesses across the world was "Production-Use-Disposal". The circular economy model looks to break this out-dated model and instead promotes a cycle of reuse and recycle. This results in much less waste.

The business is currently investigating how we can implement this model into our business. It could mean rubble from demolished buildings are turned into a sustainable aggregate and then put back into our blocks. It will involve looking to purchase more recycled materials and putting less focus on primary aggregates.

At Lignacite we are always looking to see what steps we can take put less of a drain on the earth's natural resources. Moving towards a circular economy is just another step on our journey to becoming one of the greenest, environmentally friendly block manufacturers in the country. Further updates on our commitment to working towards a circular economy will be published on our web site.

## ECO Block Range

At Lignacite, we have always had a strong focus on making our products as sustainable as possible. We recognised that our blocks should contain more recycled materials, less primary materials and less cement. With this in mind, we developed our new Eco blocks.

The first to be launched was the Lignacite Eco 50 and the Lignacite Eco 70, containing 50% recycled material and 70% respectively. Currently a 7.3N 100mm and 7.3N 140mm version of this block range is available. We hope to launch coursing blocks in 2025. A 10.4N version of the block will also be launched during 2025.

The 100mm block contains 67% less embodied carbon the standard version of the block. The 140mm version contains at 47% less embodied carbon. By delivering the blocks using HVO fuel, 90% less carbon emissions will be generated over delivering using diesel.

Focus in 2025 and beyond will be on developing Eco version of the rest of our block ranges. Check our web site regularly for further updates.

## Supporting the Local Community

We're committed to having a positive impact on our customers, colleagues and communities. One of our core values is "we stand within our community"; our people are proud of the part they play in their local communities. We ensure that we support local communities and residents through every contract we undertake, providing better access to employment and training opportunities, we work closely with our customers to understand their customer's individual requirements. By offering a bespoke approach to every delivery, we ensure that we contribute positively to the local communities in which we conduct our operations, taking into consideration the issues that matter most to those impacted by our operations.

To help us make a positive contribution to the communities around us, we are actively involved in the local communities at both sites. As one the largest employers in Brandon, we feel that we need to support those around us. Though not within a community, Nazeing still supports those local groups and communities they can. Over the last year we have supported them through:

- Sponsoring local under 11's football team
- Sponsoring local town football clubs
- Sponsoring a local pony club
- Sponsoring local events
- Supporting and donating to local charities

On a more national level, our Chief Operating Officer completed the walk of London – over 26 miles from west to east Lond, in aid of Barnardo's and the Band of Builders Charities, and he also completed the Chelmsford half-marathon in aid of cancer research. The business also supported charity work in Ukraine.

## Giving Back to Nature

A plan is currently being developed to turn the former quarry area at our manufacturing site in Brandon into a nature reserve. Plans are still very much in the early stages of development but are building well and producing a lot of excitement as they grow. The business is currently working closely with the local authority, the Norfolk Wildlife Trust and the RSPB to identify what we can do, what we need to do and more importantly how we can encourage and support the local wildlife to thrive in this beautiful area.

Our vision is to create a truly amazing, peaceful and tranquil pocket of nature, which staff and invited guests can enjoy. It is hoped that works to develop the area will begin in June, with the first phase of the plan to be completed by the end of October.

Check our website for further updates.

## Verification Of Data

A key improvement initiative is to obtain external verification of data used to set objectives and targets. Independent data verification has been achieved through *NR Richards Associates Limited*, a respected construction-focused organisation in the field of environmental and sustainability performance.

The data presented in the table below shows our performance during 2024, with previous years' performance presented alongside where available.

Significant improvements were made last year regarding the recording of KPIs to allow for more accurate monitoring of energy usage and carbon emissions.

ASPECT	UNIT OF MEASURE	INDEPENDENTLY VERIFIED DATA		
		2022	2023	2024
Electricity Use	Total kWh	2,201,474	2,403,587	2,054,831
	% Renewable	7%	3%	12%
	kWh / M <sup>2</sup>	0.76	0.89	0.86
Natural Gas Usage	Total kWh	69,899	56,534	55,130
	kWh / M <sup>2</sup>	0.02	0.02	0.05
Total Diesel Usage	Total kWh	5,218,982	3,287,139	3,305,498
	kWh / M <sup>2</sup>	1.81	1.22	1.38
LPG Usage	Total kWh	0	0	23,483
	kWh / M <sup>2</sup>	0	0	0.01
HVO Usage	Total kWh	210,180	2,026,346	1,815,774
	kWh / M <sup>2</sup>	0.07	0.75	0.76
Kerosene Usage	Total kWh	N/A	N/A	331,717
	kWh / M <sup>2</sup>	N/A	N/A	0.14
Total Energy Usage	Total kWh	7,700,534	7,849,073	7,586,433
	kWh / M <sup>2</sup>	2.69	2.92	3.164
Carbon Footprint	Total Kg	1,782,062	1,411,876	1,254,551
	Kg / M <sup>2</sup>	0.62	0.52	0.52
Mains Water Usage	Total Litres	9,898,000	9,912,000	8,236,200
	Litres / M <sup>2</sup>	3.43	3.68	3.43
Borehole Water Usage	Total Litres	15,381,100	10,180,000	7,534,800
	Litres / M <sup>2</sup>	5.33	3.78	3.14
Total Water Usage	Total Litres	22,279,100	20,092,000	15,771,040
	Litres / M <sup>2</sup>	7.72	7.47	6.58

ASPECT	UNIT OF MEASURE	INDEPENDENTLY VERIFIED DATA		
		2022	2023	2024
Transport (Raw Materials To Site)	Total Deliveries	22,352	20,978	16,997
	Average Tonne / Delivery	23.14	23.18	25.64
	Average Delivery Distance	89.7	84.10	
Transport (Delivery of Products)	Total Deliveries	22,752	21,454	19,732
	Total M <sup>2</sup>	2,797,912	2,701,291	119.19
	Total Distance (Km)	894,940	2,111,894	65
Own Waste Recycled Off Site	Total Tonnage	16,399	19,339	18,076
	Kg / M <sup>2</sup> Production	0.006	0.007	0.007
Waste Disposal to Landfill	Total Tonnage	8.00	0	0
Aggregate Consumption	Total Tonnage	518,409	486,020	435,845
	% Secondary / Recycled Material	7.9	6.1	6.4
Training and Development	Total Training Hours	1,242	Not Verified	855.8
	Total Training Hours / FTE / Year	13.21	Not Verified	8.73