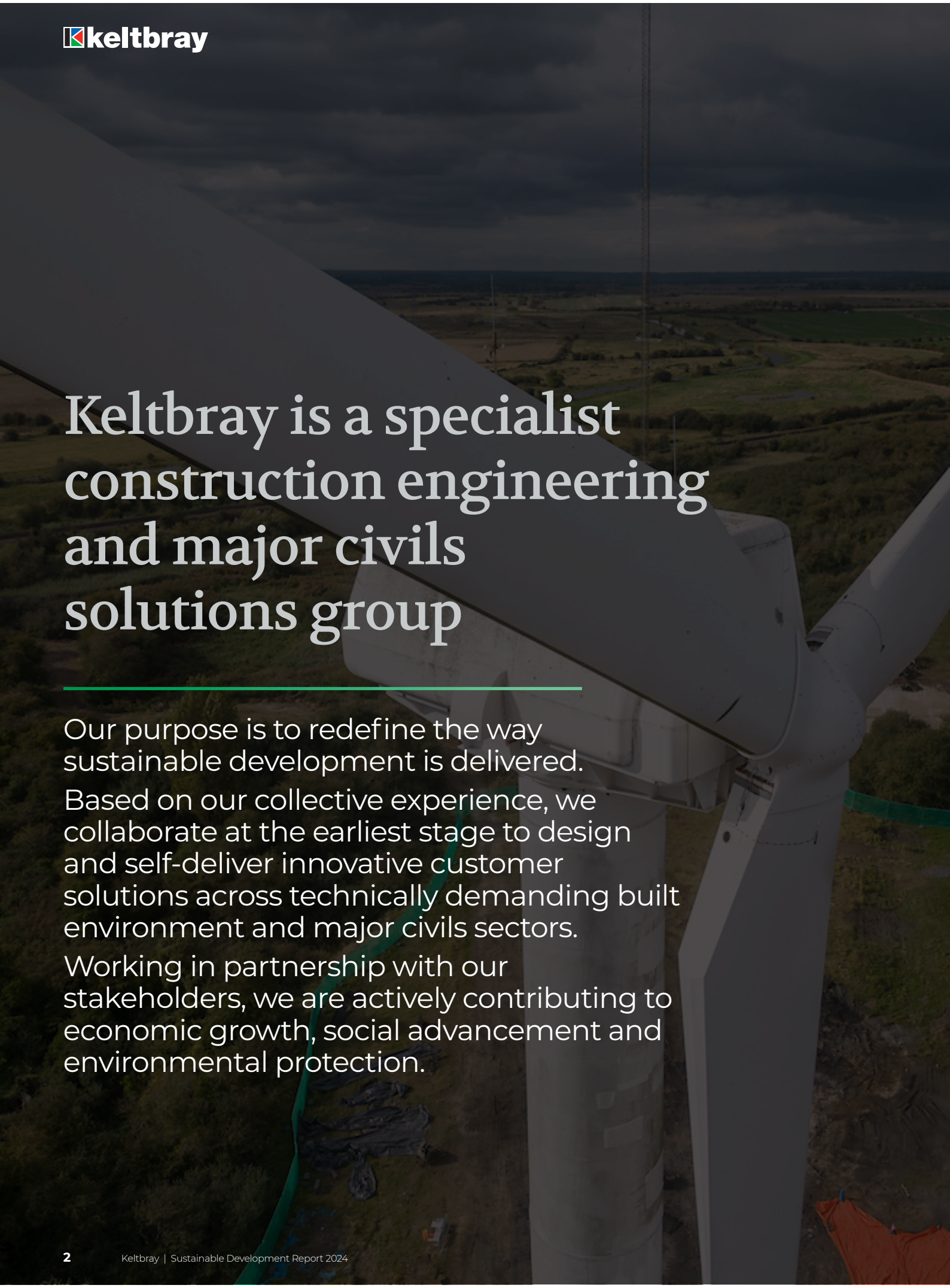
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Sustainable Development Report

KELTBRAY GROUP LIMITED

2024

For the year ended
31 October 2024



Keltbray is a specialist construction engineering and major civils solutions group

Our purpose is to redefine the way sustainable development is delivered.

Based on our collective experience, we collaborate at the earliest stage to design and self-deliver innovative customer solutions across technically demanding built environment and major civils sectors.

Working in partnership with our stakeholders, we are actively contributing to economic growth, social advancement and environmental protection.



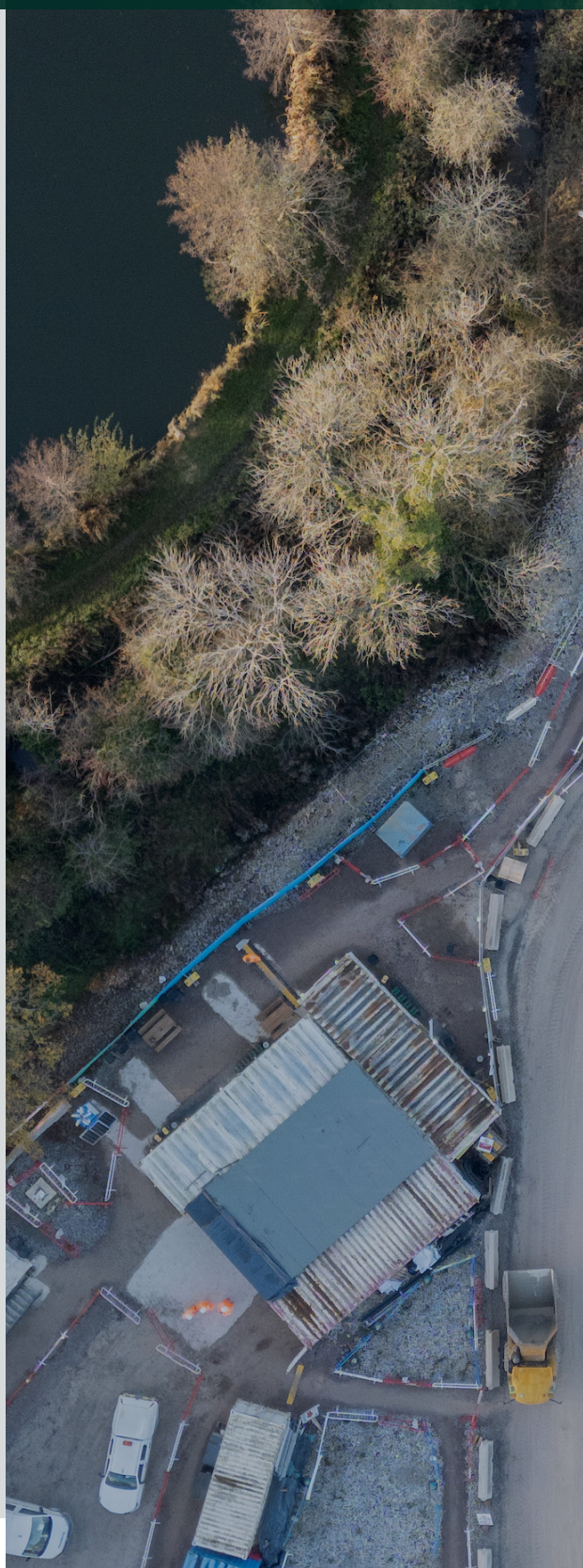
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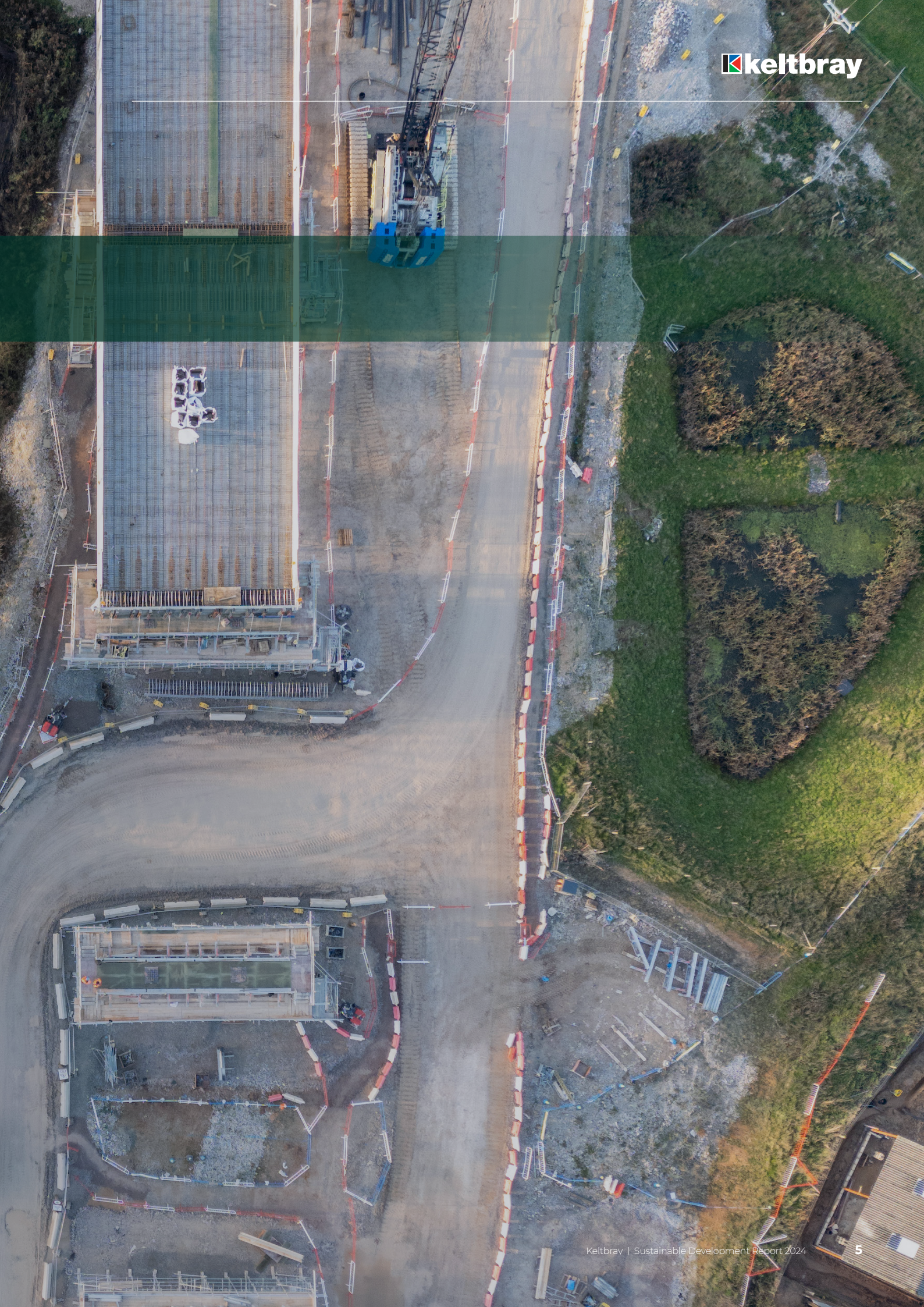
Engineering a Better World



Sustainability sits at the heart of our purpose and influences everything we do. This allows Keltbray to deliver solutions that are more valuable for customers, attract the best people, drive productivity improvements, manage risks and seize opportunities, and support local communities and society as a whole.

We believe sustainability is not just an obligation; it is a source of competitive advantage. We made significant progress during the year aligning our business and sustainability strategies with the recognised United Nations Development Goals and our customers' sustainability targets.

We have reported on our Group sustainability achievements since 2013, highlighting the important work taking place across the business to reduce carbon, support greener practices, and encourage good health and wellbeing whilst driving safety, innovation and economic growth.





Keltbray's Sustainability Focus

The Eight

Since 2020, Keltbray has aligned its sustainability commitments with the United Nations SDGs, recognising the significant impacts our industry has on the environment, economy, and society. We have identified 8 of the 17 UN SDGs that are of particular importance to us and our stakeholders, where we believe we can make the greatest positive and last difference. These 8 goals provide a framework with which to focus our sustainability goals.



Social sustainability objectives

3. Good health and wellbeing

Ensure healthy lives and promote wellbeing for all at all ages

4. Quality education

Ensure inclusive and equitable education and promote lifelong learning opportunities for all

5. Gender equality

Achieve gender equality and empower all women and girls

10. Reduced inequalities

Reduce inequality in and among countries

Environmental sustainability objectives

11. Sustainable cities and communities

Make cities and human settlements inclusive, safe, resilient and sustainable

13. Climate action

Take urgent action to combat climate change and its impacts

Economic sustainability objectives

8. Decent work and economic growth

Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

9. Industry, innovation and infrastructure

Build resilient infrastructure, promote inclusive and sustainable industrialisation and foster innovation

Senior Leadership Insight



"Keltbray's sustainability pledge is to provide innovative building and infrastructure engineering solutions that generate value to our customers and support their own sustainability commitments, whilst playing our own part in addressing the global challenges determined by the UN Sustainable Development Goals."

Holly Price
Group Sustainability Director





"Keltbray's achievements this year reflect our clear commitment to a more sustainable future and the dedication of the people driving our progress. Sustainability is essential to our business, guiding how we operate, the value we create, and how we support our communities. We are proud of our progress and remain determined to champion sustainable development and make a positive impact in the years ahead."

Vince Corrigan
Chief Executive Officer

Year in Review

Keltbray is a UK leading specialist contractor and civil engineering services group, committed to engineering a better world by redefining sustainable development delivery.

SUSTAINABILITY

SOCIAL VALUE CONTRIBUTION

£74m

CARBON REDUCTION & ACTION

19,307

DIVERSION FROM LANDFILL

99.6%

REUSED OR RECYCLED

95.6%

FINANCIALS

ANNUAL REVENUE

£624m

GROSS MARGIN ON COST

13%

OPERATING PROFIT
EXCL. REGULATORY COSTS

£11m

NET CASH

£20.6m

BALANCE SHEET STRENGTH

£39m

EBITDA
EXCL. REGULATORY COSTS

£22.1m

ORDER BOOK

£302m

PEOPLE

HEADCOUNT

865

TRAINING HOURS

42,500

WORKING WELLBEING/ ENGAGEMENT

4.1/5

FLEX COURSES COMPLETED

7000

GRADUATE INTAKE GROWTH

£133% VS 2023



Our Course of Action





Our Sustainability Objectives

Social Sustainability

GOOD HEALTH Ensure healthy lives and promote wellbeing for all	**Our people are having 'Good days at Work'** – Annual measure of success using Robertson Coopers' 'Good Days at Work' framework – Improve health, safety and environmental conditions and reduce accidents/ incidents – Plan and deliver relevant health promotion and prevention – Continuous development of localised wellbeing advocates
QUALITY EDUCATION Ensure inclusive and equitable education and promote lifelong learning for all	**Provide quality learning and development fairly and inclusively** – Clear and defined processes and procedures for job chats and annual review development – Digitisation of onboarding and learning opportunities to increase accessibility and interaction – Benchmarked user-friendly learning solutions to remove barriers to entry – Promotion of continuous development through life-long learning **Increase group knowledge and capability on sustainability matters** – Partnership with Supply Chain Sustainability School and annual internal sustainability capability assessment – Make explanatory sustainability short films available through digital learning platform to all employees
GENDER EQUALITY Promote Gender Equality	**Be an equal opportunities employer with fair and transparent recruitment, pay and employment processes** – Annual gender pay gap reporting and improvement plan – Proactive Inclusion Committee with a developed inclusion and diversity strategy
REDUCED INEQUALITIES Reduce inequality and make opportunities available to all	**Robust and auditable processes that promote opportunities for all** – Continuous monitoring of our EDI statistics – Monitoring of promotion of opportunities to diverse groups and measurement of success – Deliver the Fairness, Inclusion And Respect campaign and digital learning to all
SUSTAINABLE CITIES AND COMMUNITIES Support local communities	**Demonstrable support for the local communities through engagement, creating opportunities and engineering solutions** – Deliver a minimum of one social value outcome (as defined by the national Themes, Outcomes and Measures) per £1m of Group turnover

Economic Sustainability

DECENT WORK AND ECONOMIC GROWTH Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all	**Generate value by supporting local businesses and economies** – Only work with contractors that satisfy the minimum sustainability requirements of our prequalification and common assessment standard – Comply with local (S106), customer and responsible procurement targets **Invest in our growth** – Achieve higher levels of economic growth through diversification, innovation and supporting our key customers **Generate social value by supporting local jobs and learning and development opportunities** – Develop local, diverse and inclusive employment plans for all projects and in line with our business growth. Plan, implement, and measure for all projects – Implement group social value measurement tool personal development through life long learning content **Our clients want to work with us above others** – Client feedback Net Promoter Score in place
INDUSTRY, INNOVATION AND INFRASTRUCTURE Build resilient infrastructure, promote sustainable and inclusive industrialisation and foster innovation	**Continuously develop new and existing products and services to drive sustainable development** – Invest further in our digital technologies that drive greater collaboration, resource efficiency and operational productivity to make it easier to do business with us – Develop our offsite manufacturing to reduce risk in our operational delivery – Grow our business in decarbonisation, renewable energy and energy storage markets



Environmental Sustainability

SUSTAINABLE CITIES AND COMMUNITIES Make the workplace inclusive, safe, resilient	**Protect environment and enhance biodiversity** – Zero environmental harm – Measure our impact on biodiversity, and identify and implement opportunities to contribute to biodiversity net gain (aim 10%) – Fully implement our PH² strategy on all projects and in all work places – Increase environmental awareness and knowledge at all job levels
CLIMATE ACTION Take urgent action to combat climate change and its impacts	**Decarbonise our operations to achieve net zero by 2040** – Achieve an absolute reduction for Scope 1 & 2 GHG emissions by 46.2% by 2030 and reduce Scope 3 GHG emissions by 55% per £'m of GEVA by 2030 from a 2019 base year – Achieved PAS 2080 Accreditation **Use resources more efficiently, maximising their life-cycle to drive circular economy** – Zero non-hazardous waste to landfill – championing circular economies, material passports and urban mining – Key building materials to be sourced from responsible and certified suppliers – Define scope of water and material usage to set reduction targets **Use resources more efficiently, maximising their life-cycle to drive circular economy** – Zero non-hazardous waste to landfill – championing circular economies, material passports and urban mining – Key building materials to be sourced from responsible and certified suppliers – Define scope of water and material usage to set reduction targets





Carbon

Carbon Management

Climate change is one of the most pressing issues of our time; at Keltbray we recognise that our operations form part of the problem. Bold action is needed, which is why we have set net zero as our organisational goal.

In 2022, Keltbray signed up to the Science Based Targets Initiative, committing to reduce our emissions in line with the 1.5°C Paris Agreement. Our target was to reduce our Scope 1, 2 & 3 emissions by 40% by 2030 to bring our emissions to 594 tCO2e/£'m using 2019 as our baseline year.

In 2024, following the verification of our near-term Science Based Target, Keltbray continued working to reduce our emissions and develop our roadmap for long-term decarbonisation beyond our 2030 target.

Accurate tracking and reporting of emissions is crucial for effective carbon management. In 2024, the sustainability department continued to improve the accuracy of our reporting by transitioning from spend based emission factors (EEIOs) to actual as-built data.

This activity-based data is more accurate than spend-based data, allowing for more accurate and targeted reduction plans and more accountability.

Following the achievement of the PAS2080 Carbon Management in Buildings and Infrastructure Accreditation in 2023, in 2024 Keltbray focussed on continuing to embed carbon reduction into our company processes and systems. At the end of 2023, the PAS2080 standard was updated to include an expanded scope. Over 2024, we worked to ensure our systems satisfied any new requirements.

To drive carbon reduction, Keltbray are not just investing in new technologies and equipment, but also assessing and re-engineering the way we operate.



Case Study - Carbon Forecasting

IMPROVED CARBON FORECASTING TOOL

In 2024, guided by PAS2080, we updated our Carbon Management Procedure to include the completion of carbon forecasting for all projects as standard at the tender stage, developing an improved carbon forecasting tool to support this. Early identification of carbon hotspots allows Keltbray to contribute meaningfully to an asset's carbon management process by allowing time for carbon reduction measures to be efficiently costed and programmed.

FORECASTED CARBON			
LIFE CYCLE	**CARBON**	**TOTAL**	**kgCO2e**
A1-A3	Materials - Steel	263,835.00	
	Materials - Concrete	2,423,326.87	
	Materials - Aggregate	0.00	
A4	Transport	34,941.34	
A5	Energy	120,676.94	
	Waste	6,878.23	
TOTAL		**2,849,658.38**	
		2,849.66	tCO2e
SUMMARY			
GIA		**51,869 m2**	**m2**
Target (Total Build) (A1-A5)			**400**
Baseline: Target Substructure (Piling) and Superstructure (Upper Floors and Core Walls) (A1-A3)		69.2	kgCO2/m2 GIA
Stretch: Target Superstructure (Piling) and Superstructure (Upper Floors and Core Walls) (A1-A3)		45.7	
Forecast (A1-A3)			
Forecast Substructure (Piling) and Superstructure (Upper Floors, Core Walls, Concrete for Metal Deck (**A1-A3**)		**51.8**	



Case Study - Concrete Specification



2 ALDERMANBURY SQUARE

On-site Carbon Reduction through Concrete Specification and Innovation

As part of our commitment to decarbonise our operations, we are tackling all aspects of our services to the industry and working with our supply chain and partners to create the best possible solutions for our clients. At GPE's 2 Aldermanbury Square project, Keltbray were commended by the client for the work completed to reduce carbon through concrete specification.

Keltbray worked closely with our concrete supplier to develop mix designs with lower embodied carbon.

A large proportion of the concrete in Keltbray's scope was to be poured in the concrete core. The programme for the slipform core construction required a quick setting mix. However, colder temperatures can slow down concrete curing, and as a result necessitate the use of concrete mixes with higher cementitious content. This consequently increases the embodied carbon to be used. Recognising the impact ambient temperatures could have on concrete mixes, Keltbray worked with GPE, Arup and SWECO to establish three scenarios for concrete mixes, as well as the cost implications relating to these:

Best Carbon Option: Accounted for favourable weather conditions to allow the use of the mixes with the lowest embodied carbon. This was set as the stretch target.

Most Likely Carbon Option: Accounted for probable weather and was set as the project target.

Worst-Case Carbon Option: Assumed less favourable conditions and the use of standard mixes.

During the construction of the core, Keltbray monitored the temperature on site and selected the most appropriate mixes based on this. A mild winter enabled the pouring of most elements with the best carbon option mixes. Notably, 95% of the slipform was poured with 30% GGBS mixes.

2 Aldermanbury Square was the first UK project on which Aggregate Industries' C32/40 C10,40 DC-3 calcined clay mix was poured, and constituted a significant step towards embracing innovative low-carbon concrete alternatives.

Approximately 45m3 of calcined clay concrete was poured as part of the raft slab basement foundations.

Case Studies - Industry Collaboration

As well as working to reduce our own company carbon impacts, Keltbray also strives to deliver carbon reduction for our clients on their projects and influence the industry as a whole to improve.

FEDERATION OF PILING SPECIALISTS

Keltbray is helping to lead the development of the UK's ground engineering industry through its work with the Federation of Piling Specialists (FPS), particularly within the Sustainability Working Group. The company has played a key role in creating a carbon reporting procedure for foundation projects, establishing an industry baseline, highlighting priority areas for improvement, and setting future goals. This work supports wider learning around low-carbon materials, anti-idling, and pile and material reuse. Keltbray recognises that collaboration and removing commercial barriers are essential to meeting Net Zero targets and is taking a leading role in driving these efforts forward.

ACCELERATING CONCRETE DECARBONISATION WORKSHOPS

In June 2024, Keltbray were invited to contribute to the developer led, cross industry Accelerating Concrete Decarbonisation Group. The group hosted by Deewent London has the objective of accelerating delivery of lower carbon concrete products to market, by facilitating collaboration and information sharing across the concrete supply chain from manufacturers to structural engineers, contractors and clients. Keltbray's participation in the group highlights the influence that Keltbray is deemed to have in this space.

DECARBONISATION THROUGH ELECTRIFICATION: ELECTRIC PLANT

The availability of electric construction plant in the UK is currently limited. Keltbray's in-house plant division tracks innovations in the market closely and prides itself on adopting the newest technologies as they become available. In 2024, Keltbray invested in three static all-electric concrete pumps.

As well as investments in electric construction technology, Keltbray contributes to trials that support the development of electric plant for the market. In 2024, Keltbray undertook one of the first 'in-field' trials of Caterpillar's 209.1 Electric Excavator prototype at the 50 Fenchurch project. Data on electricity consumption, battery life, and user feedback was collected and shared with the manufacturer to help inform design improvements before market release.



Case Study - Temporary Building Supply

BLACKWALL REACH PROJECT

Decarbonisation Through Site Electrification

In 2024, Blackwall Reach was one of the projects on which Keltbray's Utilities team have successfully established a mains-connected Temporary Building Supply (TBS) as the main source of energy to power the works conducted on site. By recognising the de-carbonisation potential of TBS in replacing the construction industry's traditional reliance upon fuel-powered generators, Keltbray can deliver significant carbon reductions and financial savings for our clients.

Three power supply options were considered:

- Diesel fuelled generators
- Generator with battery
- Mains Connected TBS – a 200A 3-phase metered supply installed

The projected carbon emissions for each energy option were calculated based on a 60-week project run time:

- Diesel fuelled generators – 301.8 tonnes of carbon emissions
- Generator with battery – 144.5 tonnes of carbon emissions
- TBS – 17.6 tCO2e

In addition to the significant carbon emissions reductions, the installation of a main-connected TBS at Blackwall is estimated to have saved around 79% compared to the cost of the generators and 63% compared to the generator battery set up.







Circular Economy



The construction industry is the world's largest consumer of raw materials and generates a third of the world's overall waste.

To combat this, Keltbray embraces Circular Economy practices; striving to reduce waste and resource extraction by looking at the buildings we demolish as potential assets for reuse, keeping materials in use for as long as possible, and prioritising reuse and recycling over disposal.

We have collaborated with our clients, local authorities, engineers and developers to further understand how the material which exists in buildings to be demolished can be reused in the new build itself or in other projects across the industry.






CAUTION!

Case Study

GLASS RECYCLING: BUILDING A CLOSED LOOP PATHWAY

Saint Gobain manufactures high performance construction materials including flat plane glass containing some of the highest recycled content in the UK. Glass is one of the few building materials that can be indefinitely recycled back into its original product form without loss of quality – closed-loop recycling rather than down-cycling. This represents a significant carbon emission reduction with every tonne of glass cullet saving 300 kg CO2e compared to using virgin raw materials.

During the initial strip out, Keltbray collaborated with Saint Gobain to develop and implement a glass removal and crushing procedure on site.

KELTBRAY'S METHODOLOGY

The salvage of glass for closed-loop recycling requires tight process control as demolition material can easily contaminate the cullet.

For each type of glass waste – internal partitions, laminated glass, and double-glazed units – a suitable methodology was developed. Using mechanical lifting aids, panels were removed, nickel-free blades used to cut glass from frames and the panels either stockpiled and collected from site in 'clean' Westminster Waste skips or processed into cullet on site using customized breaking tables and stored in cullet bags.

ACHIEVEMENTS

- In total, ~116 tonnes of glass cullet was removed from 1 Victoria by Keltbray's operatives
- Keltbray was asked to contribute our methodology for glass extraction at 1 Victoria to be published in Arup's Reuse Playbook – a sector-wide guidance document for deconstruction demonstrating our technical innovation in circular economy delivery
- Reduced disposal and skip handling costs for the client
- Maximised value retention of existing building assets

Together, these elements create a replicable model in which high-value reuse and circular-economy outcomes are both operationally achievable and deeply impactful.

> **"1 Victoria Street is a testament to the power of the circular economy. By working together, consultants and site teams have transformed this project into a model of sustainability. Not only are we reducing waste, but we're also ensuring valuable materials find new homes in the community, making the biggest possible impact."**
>
> Helena Morris
> Development Director from Stanhope

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Case Study

NEW BRIDGE STREET: ENABLING MATERIAL USE

In 2024, Keltbray supporting Helical and Mace in the delivery of the major redevelopment of 100 New Bridge Street. The project aims for the highest standards of sustainability, retaining the existing structure and reusing materials where possible.

The project targeted a 95% reuse, recovery, and recycling of construction waste, along with retaining 91% of the reinforced concrete lift cores and 85% of the reinforced concrete walls.

Mace estimates that 1,795 tonnes of CO2e will be saved through circular economy measures on this project.



RETURNING MATERIALS INTO THE SUPPLY CHAIN

At 100 New Bridge Street, Keltbray salvaged raised access floor tiles and carpet tiles to be returned to the supply chain. Industrial carpet tiles are designed to have a long life and can be returned to a high quality following industrial cleaning.

Over 25,000 floor tiles were carefully removed from the building by the team and sold to RAF suppliers (Raised Access Flooring) to be reused in future projects.

Delivering materials back to suppliers for refurbishment prevents large volume material going to landfill and reduces the raw materials required for new products.

DELIVERING SOCIAL VALUE FOR LOCAL ORGANISATIONS

Keltbray provided the labour and transport to donate over £3,835 worth of furniture to St Mungo's and London National Park City. Mace translated these community donations into carbon savings, with the materials donated equating to 4.24 tCO2e.

Keltbray also arranged for easels to be donated to the art department at Sydney Russell School in Dagenham, as well as IT equipment to the Construction Youth Trust and the Arc Food Bank in Islington.

In addition to charity donations, Keltbray enabled the reuse of over 1,000 other pieces of furniture through supply chain partners.



CLOSED-LOOP GLASS RECYCLING AT 100 NEW BRIDGE STREET

100 New Bridge Street is the second project where Keltbray is rolling out closed-loop glass recycling with Saint-Gobain. To date, over 30 tonnes of glass have been recycled through this initiative.

By continuing to roll out this initiative, Keltbray and Saint-Gobain are setting a new benchmark in the construction industry for sustainable demolition and recycling methods.

SALVAGE OF EXISTING FAÇADE GRANITE

Keltbray delivered the safe and careful salvage of façade granite from the existing building, which will be later repurposed as internal wall cladding in the new development.

This project exemplifies how Keltbray strives to support its clients with circular economy ambitions and a sustainable approach, which in turn reduces waste, decreases carbon emissions, and supports local communities and charities.

Keltbray is committed to partnering with suppliers who champion the principles of the circular economy, ensuring its efforts' contribute to social value in the communities affected by its projects. Through initiatives like this, Keltbray demonstrates its dedication to sustainability and community engagement.

> **The work at 100 New Bridge Street is a great example of our site team working collaboratively to help achieve our client's circular economy ambitions. The flexible approach by the project team has enabled waste reduction and resulted in positive benefits for the local community who have received these items**

Aisling Reynolds
Group Environmental Manager from Keltbray



> **100 New Bridge Street embodies Helical's 'carbon friendly new build' model, retaining as much of the existing building as possible while creating a scheme that meets today's occupier demands. Early engagement with Keltbray, Mace and the wider team has been key to delivering the project's ambitions. By championing circular economy principles, the site team has reduced carbon emissions and created social value through material donations and volunteering.**

Laura Beaumont
Head of Sustainability from Helical

Case Study - Industry Collaboration

100 FETTER LANE

Materials Passports

A driving idea in the Circular Economy is the establishment of Materials Passports. These are digital documents that contain detailed information about the materials and components used in a building and can be used to facilitate sustainable material management at the end of a building's life, allowing for dismantling rather than demolition.

The Edenica project at 100–107 Fetter Lane was a pioneering initiative in the UK for implementing materials passports. Throughout the works, Keltbray's environmental team tracked and recorded detailed data on all materials and products used, including their manufacturing information, properties, location within the building, and potential for future reuse or recyclability. To deliver the Materials Passport for the project, Keltbray worked collaboratively with Mace, Waterman, and Circuland. In addition, the Keltbray environmental team played a key role developing standardised templates to ensure consistency, clarity, and usability of materials passports for future use on other projects.

Overall, Keltbray helped the Edenica project to achieve a Wired Score Platinum rating for outstanding digital infrastructure, win the 'Best Net Zero Project of the Year' award at the consultancy and engineering awards, and assisted the project in its targeting of a BREEAM 'Outstanding' rating and 63% compared to the generator battery set up.





Supply Chain Engagement

KELTBRAY HOST CIRCULAR ECONOMY WEEK EVENT

Keltbray are aware that by taking a circular economy approach, we can help reduce the construction industry's impacts upon resource depletion.

While Keltbray facilitates the delivery of the circular economy, our ability to do so is often dependant upon client aspirations and market availability. In recognition of this, Keltbray hosted a workshop as part of London's Circular Economy Week. By bringing together clients, supply chain partners, cost consultants and engineers, we were able to work through some of the key challenges we face as an industry in the delivery of circular economy initiatives.

The event engaged stakeholders from across sectors with the aim of collaborating to improve circular economy practices. The spirit of the event was to build a network of parties to drive improvement.

CIRCULAR STEEL EVENT

As a platinum sponsor of the Circular Steel Event 2024, Keltbray played a key role in shaping discussions on the future of steel reuse, a critical step towards reducing the industry's carbon footprint and promoting sustainable building practices.

The event brought together industry professionals, thought leaders, and innovators to explore the progress, challenges, and opportunities surrounding steel reuse in construction. Keltbray showcased their leadership in this space by highlighting their technical achievements and demonstrating how they are setting new benchmarks in sustainable steel practices.
Holly Price, Group Sustainability Director at Keltbray, chaired the opening session, "Meeting the Demand," where the pros and cons of demolition versus dismantling and disassembly were discussed. This is an area where Keltbray is currently leading, thanks to their emphasis on remodelling projects, which prioritises material recovery over traditional demolition.





Biodiversity

New Management Procedure

Keltbray seeks to understand, avoid and respond to any potential impacts its operational activities may have on biodiversity and sensitive ecosystems. Our projects and operations aim to minimise our impact on the environment to the greatest extent possible and will collaborate and support our clients to achieve the 10% biodiversity target set in the environmental bill where applicable.

Biodiversity creation is often not in Keltbray's scope of works, however we aim for exemplary protection of biodiversity. We also look for opportunities where we operate to make a positive contribution to conservation and to support local society through initiatives such as volunteering, to support community-based environmental improvement projects.

In 2024, Keltbray created an Ecology and Biodiversity Management procedure to guide our teams.



Case Study

CRAYLANDS ESTATE BEES

During the asbestos removal and demolition at the Craylands Estate, the Keltbray team discovered four honeybee hives. Partnering with the experts at Bee Gone, we successful undertook the safe removal of the colonies. The Bee Gone team, wearing P3 PPE and specialist bee removal PPE, carefully removed the queens and as many bees as possible into a Nuc box. These bees now have a new home at an apiary in Essex.

Although not a common occurrence on our projects, limiting our impact on keystone species such as bees and facilitating their relocation helps us support biodiversity. Bees play a significant role in the stability of ecosystems, ensuring plant diversity and the stability of food webs for a range of animals. Given the threat of colony collapse disorder, every hive matters and these relocations evidence our commitment to supporting a sustainable future.



Nuiance

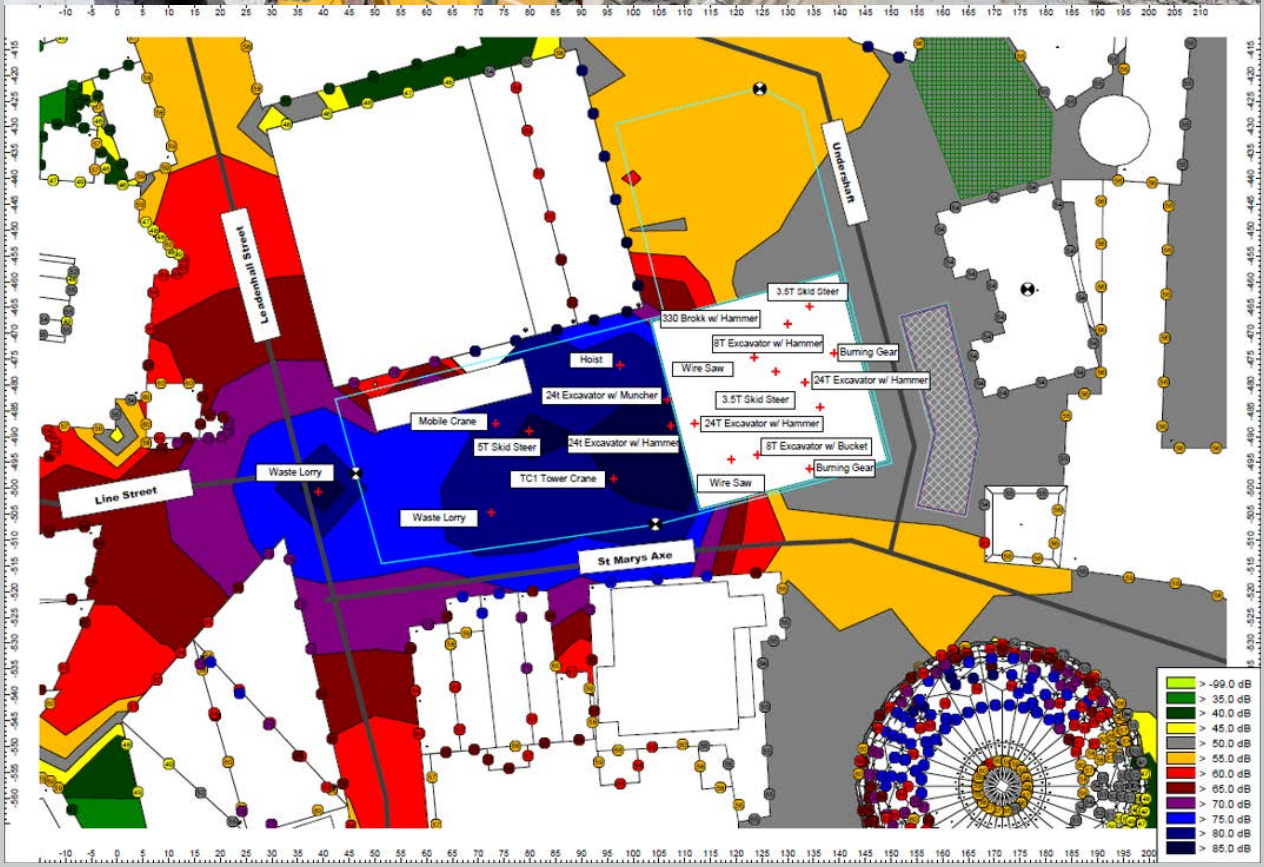
Case Study - Noise Monitoring

1 CADNAA

Noise Monitoring Software

In 2024, Keltbray implemented a new process to enable the early identification of noise impacts and mitigation measures. As part of planning requirements, the sustainability team assess and present predicted noise impacts using CadnaA noise modelling. Initially, these assessments were carried out solely during the pre-construction phase to define and agree on limits with local authorities. We now have implemented standardised, comprehensive noise impact assessments at the tender stage. This proactive approach enables us to better understand potential impacts on nearby stakeholders and to determine the most appropriate construction methodology with targeted, evidence-based mitigation measures and calculated analysis.





keltbray

Redefining sustainable development

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