keltbray

Our Capabilities

keltbray

Contents

Who we are	3
What We Do	6
Our People	10
Core Services	14
Core Sectors	36
Office Locations	46
Case Studies	48
Health, Safety & Wellbeing	76
Sustainability & ESG Commitments	80
Awards & Recognition	88

Who we are

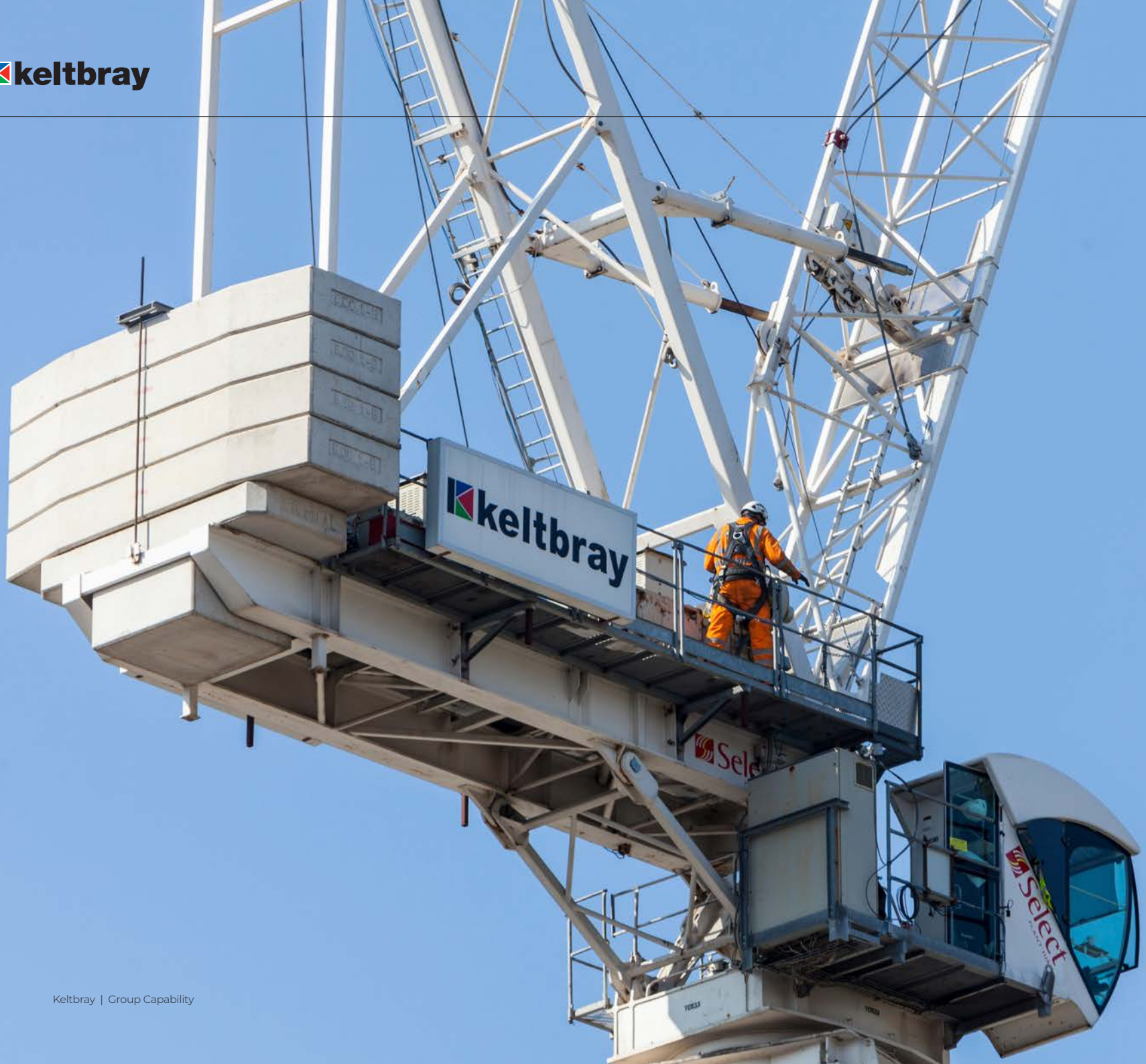
"We have built a reputation founded on engineering excellence, ownership and trusted partnerships. These principles remain at the heart of who we are and how we deliver every project."



Brendan Kerr
Executive Chairman & Owner

As a specialist engineering led construction group, Keltbray brings together technical know how and practical delivery to make complex projects feel achievable. Keeping our core capability in house allows us to stay focused, accountable and able to give clients real certainty from start to finish.

Engineering sits at the heart of who we are – driving us to deliver better, simpler and more reliable outcomes every time.


keltbray
Select

An Engineering Led Approach

For us, engineering isn't just a discipline – it's how we think, how we solve problems and how we bring clarity to complexity. It shapes the way we listen, question and understand what a project really needs before we start looking for solutions.

Early engagement lets us connect design and delivery from day one, so the ideas we develop are buildable, safe and realistic. By keeping our engineering and delivery teams closely aligned, we carry the technical intent all the way to site – maintaining control, avoiding rework and staying true to the original purpose of the design.

We invest in the tools, plant and methods that help our people do their best work. Modern construction techniques, specialist equipment and digital innovation aren't add ons for us – they're part of our commitment to delivering smarter, safer and more sustainable outcomes.

Above all, our engineering led approach is about responsibility. It's about owning the challenge, understanding the detail and using our collective expertise to deliver solutions that stand up to scrutiny in some of the most demanding environments.

OUR PURPOSE

Our purpose is to redefine how sustainable development is delivered. We use deep engineering insight to tackle complex challenges, improve performance and manage risk in a way that protects people, places and long term value.

By engaging early, working openly and keeping delivery in our own hands, we create outcomes that are safer, more efficient and genuinely sustainable – solutions that stand up today and continue to perform tomorrow.



A SUSTAINABLE BUSINESS MODEL

Our business model is built to stay resilient in demanding environments and to deliver results our clients can depend on. By self delivering key work packages, we manage risk where it matters most and keep control of quality, programme, safety and cost.

Backed by the commitment and agility of our people, we deliver consistent, reliable performance – creating value not just for clients, but for the communities and places our work supports.





What We Do


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keltbray.com
FINNING

Our Market Role

We operate at the centre of the UK's built environment – supporting critical infrastructure, energy transition, and complex urban development. Clients choose Keltbray when they need assured delivery across challenging programmes, live operations, or constrained city sites. Our integrated capability converts complexity into predictable outcomes that keep major projects moving.

DELIVERING CERTAINTY IN COMPLEX ENVIRONMENTS

Certainty is our benchmark. We bring the controls, discipline, and specialist expertise required to protect programmes and budgets in live, high risk settings. Early risk identification, buildability insight, and real time project intelligence help us maintain performance under pressure – so outcomes are delivered safely, on time, on budget, and to the required standard.



> "Our purpose is to deliver certainty in the most technically demanding construction and engineering environments by taking accountability for performance and outcomes."

Karl Goose
Chief Executive Officer



INNOVATION, R&D AND TECHNICAL INVESTMENT

Innovation is embedded in our delivery. We invest in digital design, advanced engineering analysis, modern construction methods, lower carbon materials, and bespoke plant to improve buildability, reduce carbon, and increase predictability. Our engineers and R&D teams test, refine, and deploy solutions that unlock commercial value – whether optimising temporary works, designing complex lifts, or streamlining site logistics.

WHY WE DO IT

We exist to help clients upgrade, enhance, and decarbonise critical assets. By integrating engineering, execution, and sustainability, we deliver solutions that meet evolving regulatory, operational, and commercial demands – supporting long term resilience and value.

HOW WE DO IT

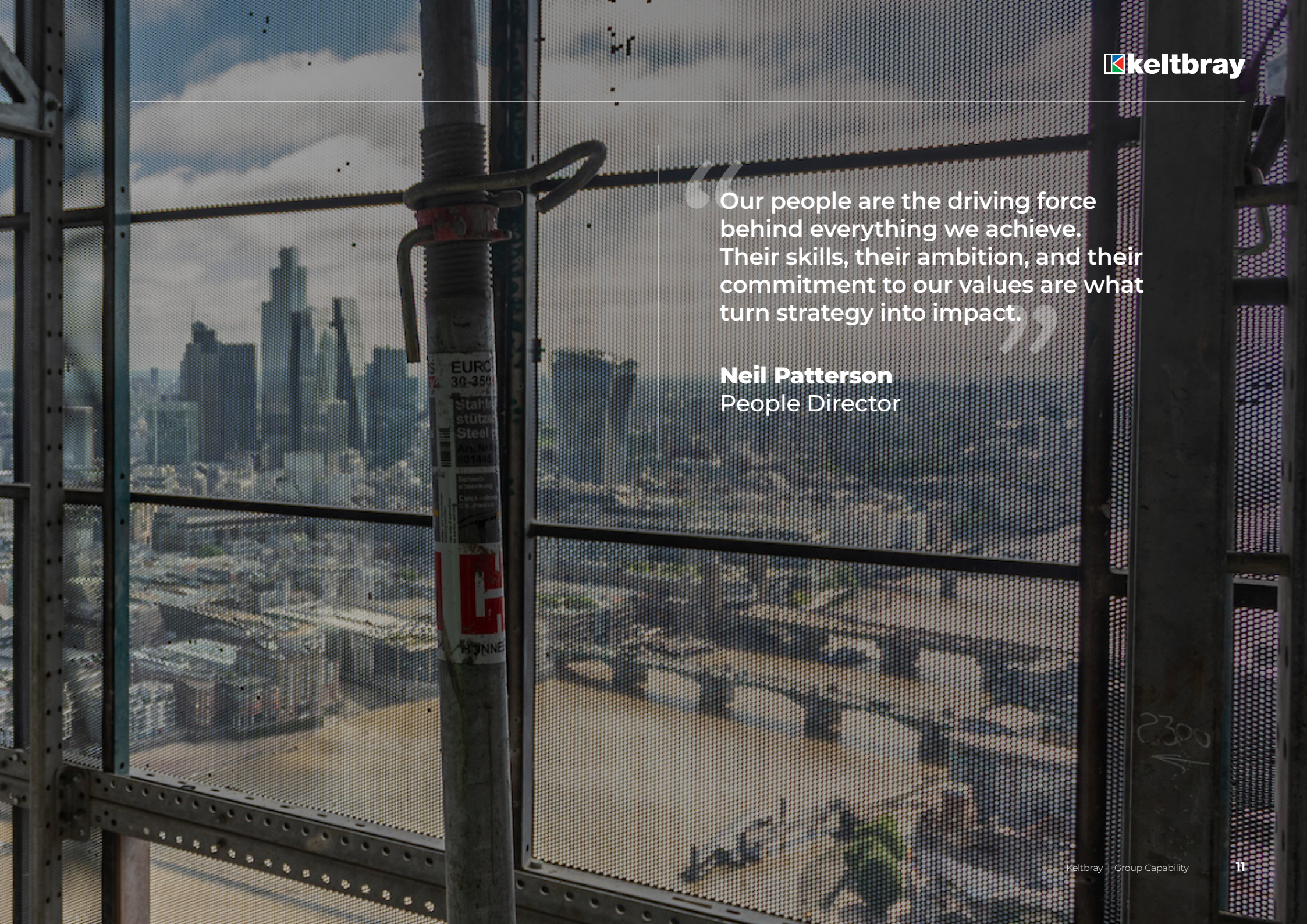
A distinctive delivery model underpins our approach:

- Early engineering engagement to optimise strategy and buildability
- Self delivery of key packages to reduce interfaces and manage risk at source
- Data driven controls to maintain safety, quality, and programme discipline
- Technical assurance to validate decisions and uphold standards throughout





Our People



> Our people are the driving force behind everything we achieve. Their skills, their ambition, and their commitment to our values are what turn strategy into impact.

Neil Patterson
People Director

keltbray

Engineering Expertise

Our people are the engine of our performance. Their specialist knowledge and practical capability enable us to improve buildability, control risk, and deliver predictable results – from early design through to commissioning.

MULTIDISCIPLINARY DELIVERY MODEL

We bring engineering, construction, design, safety, digital, commercial, and project controls together under one roof. This eliminates silos, speeds decision making, and ensures one accountable team focused on value, not handoffs.

Benefits: stronger risk management, better change control, consistent standards, and clearer commercial outcomes.









CULTURE, TRAINING AND DEVELOPMENT

Our culture is built on accountability, safety, technical excellence, and continuous improvement. We invest in accredited training, apprenticeships, leadership programmes, and specialist skills, supporting progression at every level. Wellbeing and inclusion are integral – creating a workplace where people perform at their best.

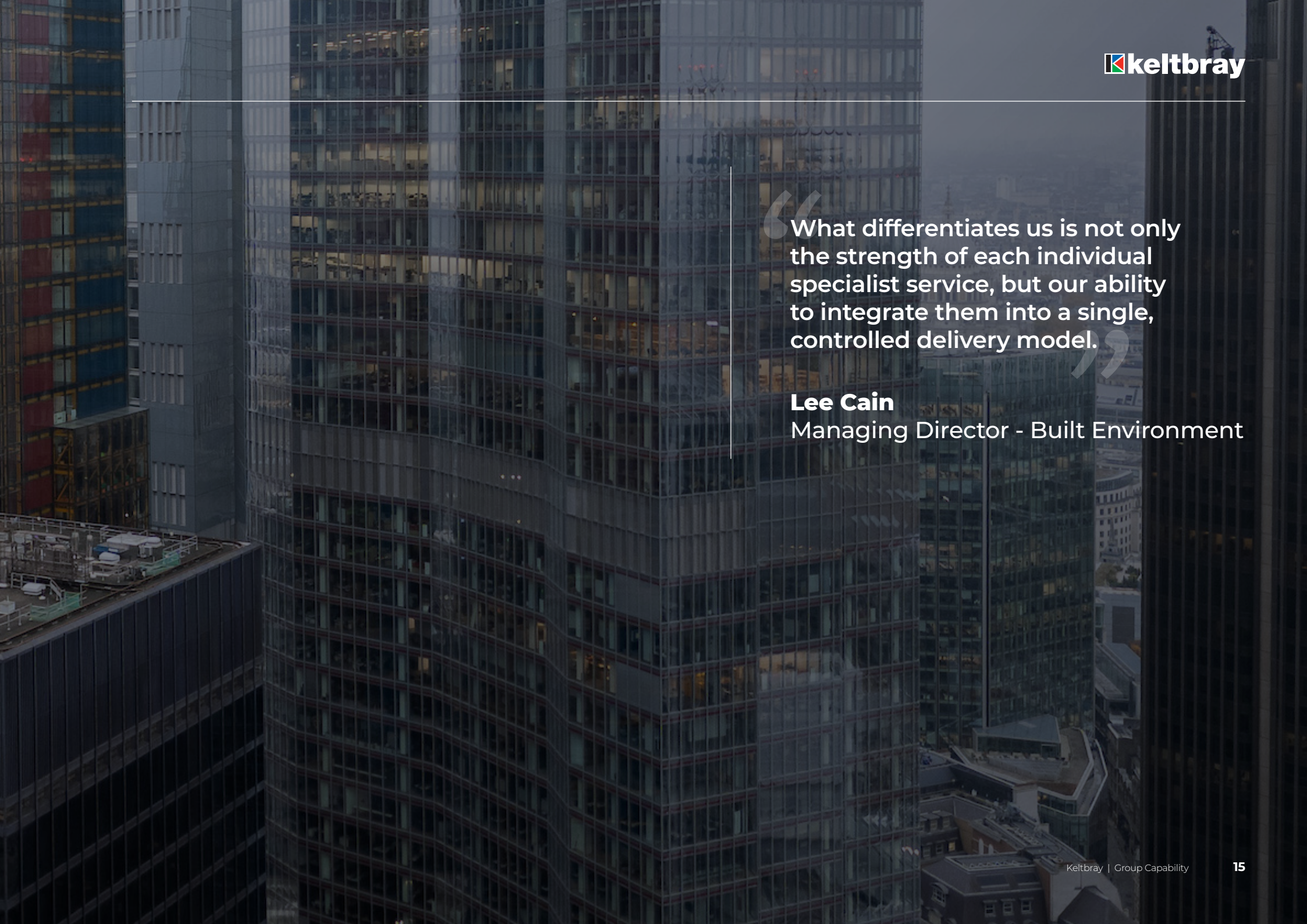
Mini MBA programme – Flex – CITB partnership

TECHNICAL ASSURANCE AND LEADERSHIP

Technical assurance safeguards quality and compliance. Our leaders set engineering direction, validate critical decisions, and mentor teams – embedding consistent standards from feasibility to final assurance. This governance gives clients confidence that solutions are buildable, compliant, and right first time.



Core Services



> **What differentiates us is not only the strength of each individual specialist service, but our ability to integrate them into a single, controlled delivery model.**

Lee Cain
Managing Director - Built Environment

Early Engagement & Pre-Construction

Keltbray engages early in the development of complex projects to shape practical, buildable and commercially robust delivery strategies. Through Early Contractor Involvement (ECI), Pre-Construction Services Agreements (PCSA) and Front-End Engineering and Design (FEED), we support clients in translating concept designs into safe and deliverable construction solutions.

Our engineering-led teams bring together expertise across demolition enabling works, civil engineering, ground engineering and structural construction. This breadth of capability allows us to provide informed input on construction methodology, sequencing, logistics and temporary works strategies from the earliest stages of project development.

This early engagement is particularly valuable on projects involving constrained urban environments, technically complex structures, large-scale infrastructure or ecologically significant energy-related developments. By integrating engineering thinking with practical delivery expertise and environmental stewardship, we help clients identify and manage risk early, optimise buildability and improve programme and cost certainty.

Through this collaborative approach, Keltbray helps ensure that projects move into construction with clarity, confidence and a clearly defined route to successful delivery.





NHS Nightingale Hospital Car Park, London



100 New Bridge Street, London



Demolition & Remodelling

With extensive experience across commercial, residential, industrial, city centre and complex urban environments throughout the UK, Keltbray is recognised as a leader in the demolition sector. We provide expert advice and deliver the most effective methodologies for demolition, deconstruction and complex remodelling projects, even in the most constrained and technically challenging settings.

Our capabilities range from full structural demolition to highly intricate remodelling and refurbishment schemes, including projects requiring the retention, temporary support or alteration of existing structures. This includes façade retention, partial demolition, structural alterations and works within live or occupied environments, where safety, precision and programme certainty are critical.

Keltbray offers an integrated approach, combining demolition expertise with associated civil engineering and enabling works. Our teams specialise in selecting the right strategy for each project, including sequencing, temporary works design and innovative construction methodologies, to unlock sites safely and efficiently while managing risk to surrounding assets and stakeholders.

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Specialist Engineering Sevices

For over 25 years, our in-house engineering consultancy, Wentworth, has delivered high quality, fully integrated solutions across permanent and temporary works, geotechnical engineering, testing, verification and design. Their depth of expertise spans some of the industry's most complex and technically demanding projects, consistently achieving exceptional standards and expert performance.

Having Wentworth embedded within Keltbray gives us a distinct advantage. It enables us to design and deliver truly seamless end to end solutions – aligning engineering strategy from early design through to construction. This integrated approach reduces interfaces, streamlines decision-making, and minimises the number of parties involved in the process, ultimately enhancing efficiency, certainty and project outcomes.





Salisbury Square, London



HS2 Curzon Street, Birmigham



Piling & Ground Engineering

Established in 2008, Keltbray's piling and ground engineering business delivers a comprehensive range of conventional and advanced solutions, working collaboratively with clients and project teams to engineer the most efficient, sustainable and buildable outcomes.

Our piling and ground engineering services can be delivered as a standalone specialist package or as a fully integrated part of Keltbray's end to end enabling works offering. This is particularly valuable on complex sites where piling works follow directly from demolition and site clearance activities, enabling a seamless transition into foundation, substructure and basement construction while maintaining programme certainty and reducing interface risk.

By integrating demolition, piling and ground engineering under a single delivery model, we support earlier engagement, improved sequencing and more effective coordination of temporary works, logistics and construction methodologies. This approach enhances safety, reduces disruption and accelerates progress on constrained urban sites.

Our technical capabilities include both standard and specialist piling techniques, alongside market leading innovations such as the patented, reusable, load bearing, extendable thermal energy generating HIPER® Pile. Through the adoption of modern methods of construction and off site manufacture, we have helped reduce embodied carbon in piled foundations by up to 90%, supporting clients' sustainability and net zero objectives.

Whether delivered independently or as part of a fully integrated solution, Keltbray's piling and ground engineering expertise provides a robust platform for successful project delivery from enabling works through to permanent construction.

Remediaton

Keltbray delivers a comprehensive range of remediation solutions for contaminated land and water, providing compliant, sustainable outcomes that support development on complex and constrained sites. We manage the full remediation process, securing the necessary regulatory approvals and working closely with stakeholders to ensure sites are remediated efficiently and to the highest standards.

Our remediation services can be delivered as a standalone specialist package or as an integral component of larger civil engineering, enabling and redevelopment schemes. This flexibility allows us to seamlessly integrate remediation works alongside demolition, earthworks, piling and foundation activities, reducing interfaces, improving programme certainty and accelerating the transition into subsequent phases of construction.

A key differentiator is our extensive in house plant, equipment and skilled workforce, enabling Keltbray to self deliver remediation works with greater control over quality, safety and programme. By minimising reliance on third party resources, we provide more resilient delivery models, improved cost certainty and rapid mobilisation on challenging sites.

We combine specialist technical expertise with strong relationships across client, consultant and regulatory teams to address complex remediation challenges, including legacy contamination, chemical hazards and geotechnical constraints. Our design and build solutions are tailored to site specific conditions, de risking development while meeting stringent environmental and regulatory requirements.

Whether delivered independently or as part of a fully integrated civils and enabling works package, Keltbray's remediation capability provides a robust foundation for safe, sustainable and successful development.





Doncaster Waterfront, Doncaster



40 Leadenhall, London



Asbestos Removal

Keltbray is recognised as one of the UK's most experienced asbestos removal contractors, with a strong reputation for innovation, reliability and safe delivery. Our environmental services team operates nationally and across all sectors, including commercial, residential, industrial, infrastructure and complex urban redevelopment projects.

We provide a fully compliant, practically led approach to asbestos removal and hazardous material management, ensuring safety, quality and regulatory compliance at every stage. Our services can be delivered as a standalone specialist package or as a critical preparatory phase supporting enabling works, demolition and remodelling projects, helping to de risk sites and enable subsequent construction activities to proceed safely and efficiently.

Early engagement of our asbestos removal specialists allows for effective planning, sequencing and coordination with demolition and remediation works, particularly on constrained or technically complex sites. This integrated approach reduces programme risk, minimises disruption and ensures a smooth transition into wider enabling and redevelopment phases.

Our experienced, directly employed workforce is dedicated to maintaining the highest standards of safety, environmental performance and quality. We work collaboratively with clients, consultants and regulators to resolve complex asbestos and hazardous materials challenges, turning potential constraints into well managed, value added solutions.

Environmental & Land Decontamination

Keltbray delivers targeted environmental and land decontamination solutions that address pollutants, legacy contamination and environmental risk, reducing liabilities and unlocking land for safe and sustainable future use. Our approach is technically robust, regulator focused and designed to support development on complex and constrained sites.

Our environmental and land decontamination services can be provided as a standalone specialist offering or as an integral part of Keltbray's engineering led enabling services provision. When delivered as part of a wider enabling works package, our teams work closely with demolition, remediation, earthworks and ground engineering disciplines to ensure effective sequencing, reduced interfaces and a smooth transition into subsequent phases of construction.

A key strength of our offering is our skilled, multidisciplinary environmental team, combining technical expertise with practical delivery experience. This enables us to assess site conditions holistically, develop proportionate remediation and decontamination strategies, and implement solutions that are both compliant and buildable.

By integrating environmental and land decontamination activities within an engineering led delivery model, we help de risk development programmes, improve cost certainty and accelerate progress on site. Our collaborative approach with clients, consultants and regulators ensures that environmental constraints are effectively managed while supporting wider project objectives.





Plaistow & Primose Wharf, London



HS2 C1 Shaft, Little Missenden



Major Civils & Earthworks

Keltbray delivers major civils and earthworks solutions that enable the safe, efficient preparation and delivery of complex infrastructure and development projects.

Our teams manage all aspects of bulk earthworks, ground engineering and enabling works to create stable, compliantplatforms for onward construction.

With integrated design capability and extensive in-house plant, equipment and specialist expertise, we provide predictable, high-quality outcomes across challengingsites and environments. From large-scale earthworks to complex civil engineering packages, Keltbray offers fully coordinated, cost-effective solutions that reduce programme risk and support the successful delivery of major projects.

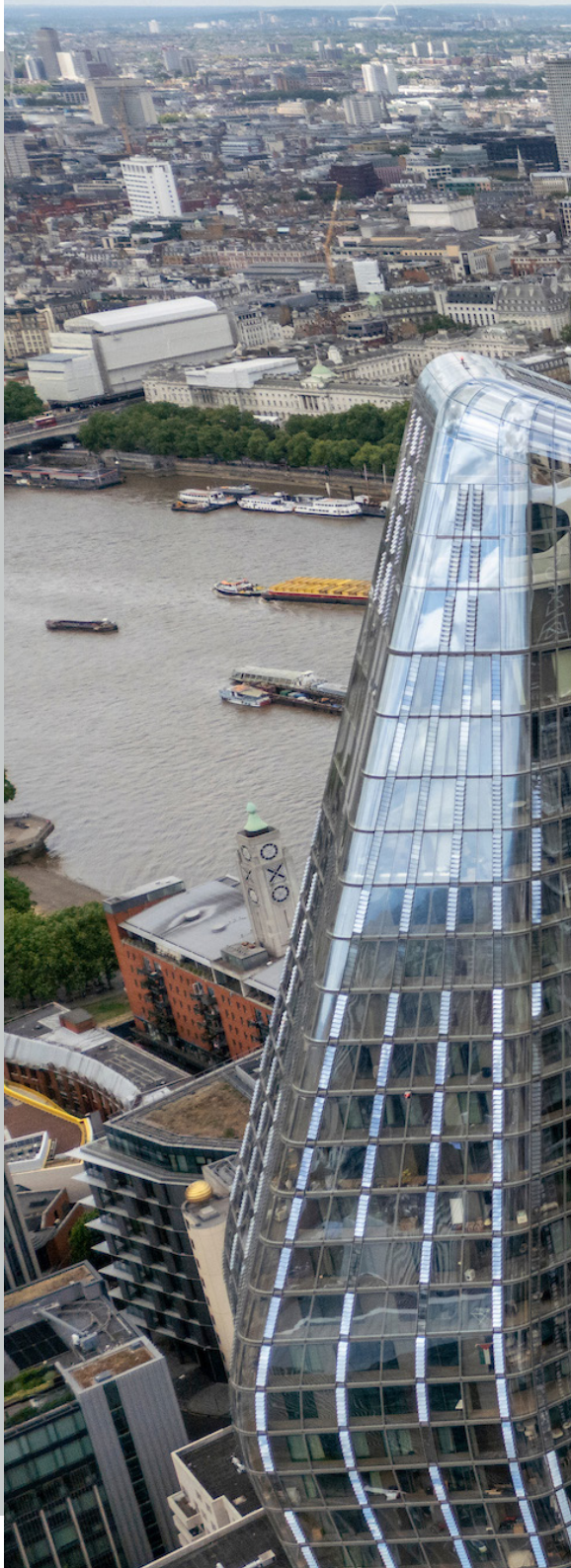
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Building & Structures

Keltbray delivers complex reinforced concrete frames and structural engineering solutions across a wide range of sectors, including deep basements, high rise cores and technically demanding construction environments. Our expertise spans the design and construction of hybrid structures using in situ concrete and post tensioned systems tailored to meet the specific demands of each project.

We adopt an integrated, engineering led approach, providing early design input, value engineering and buildability support to optimise structural solutions from the outset. This collaborative methodology enables us to manage risk, improve programme certainty and deliver efficient, high quality outcomes on complex sites.

Our in house capability is supported by a comprehensive range of specialist plant, formwork systems and experienced delivery teams, allowing us to self perform critical structural works with a high degree of control over safety, quality and programme. By aligning design, temporary works, sequencing and construction methodologies, we ensure seamless delivery throughout the entire structural phase.




OPUS
NATIVE LAND
NATIVE LAND
BANKSIDE YARDS
BANKSIDE YARDS

OPUS, London



Richborough, Kent



Heavy Lifting Services

Keltbray provides one of the UK's most capable heavy lifting solutions, supporting construction and infrastructure projects from concept through to completion. Our teams deliver fully managed, turnkey lifting operations – ranging from small-scale lifts to some of the heaviest crane lifts ever undertaken in the UK.

With extensive in-house expertise, specialist equipment and proven engineering capability, we plan and execute complex lifting activities safely, efficiently and to the highest industry standards. Safety is central to our approach, with every lift designed and delivered to minimise risk and environmental impact while ensuring predictable, high-quality outcomes.



Core Sectors


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Core Sectors

Keltbray operates across a broad range of sectors, delivering integrated engineering and construction solutions for complex, high profile projects throughout the UK. Our business is underpinned by two principal revenue streams: the delivery of complex building and civil projects within challenging urban environments, and a growing national infrastructure portfolio supporting the UK's critical assets.

Across both public and private markets, our engineering led approach enables us to support clients from early stage development and enabling works through to construction delivery. By retaining critical capabilities in house and managing interfaces proactively, we provide greater certainty over safety, quality, programme and outcomes in some of the industry's most demanding environments.

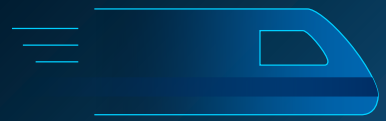




Commercial & Mixed Use



Aviation



Transport



Civils for Energy Infrastructure



Industrial & Nuclear Decommissioning



Nuclear

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Commercial & Mixed Use



Keltbray brings a strong and trusted brand to commercial and mixed use development, supporting complex city centre and regeneration projects through a proven track record in demolition, remodelling, remediation, enabling works and specialist civil engineering. Our integrated approach enables early involvement, reduces interface risk and improves buildability from the outset.

Working closely with clients and project partners, our teams carefully plan and sequence complex works, manage stakeholder and occupier constraints, and maintain strong control over safety, quality and environmental performance. This approach creates safe, reliable pathways into subsequent phases of construction, unlocking value and programme certainty in densely occupied and high profile urban environments.



Aviation

Keltbray has a proven track record in aviation infrastructure delivery, operating within established frameworks at both Heathrow and Gatwick airports. Our long standing relationships with airport operators reflect our ability to deliver safely and reliably within highly regulated, live operational environments.

We deliver high quality civil engineering, enabling and structural solutions that protect ongoing operations while maintaining programme certainty and environmental compliance.

By combining civil engineering, specialist enabling and structural capabilities through a coordinated delivery model, we manage risk effectively and maintain consistent delivery standards. Collaborating with clients, consultants and supply chain partners, we provide technically assured solutions that support the continued operation, enhancement and development of critical aviation infrastructure.

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Transport

Keltbray delivers transport infrastructure across a wide range of environments, from major national programmes such as HS2 to complex urban transport developments. Our experience spans works delivered outside urban centres as well as highly constrained, live settings associated with stations, rail property and over station development.

As a trusted Tier 1 delivery partner, we provide high quality civil engineering and enabling solutions through a collaborative delivery model that ensures accountability, safety and programme certainty. Our approach enables us to manage complex sites, control critical interfaces between enabling works, structures and temporary works, and respond effectively to operational and stakeholder requirements.

Through engineering led planning and practical delivery expertise, we deliver transport schemes safely and predictably while protecting surrounding assets, maintaining operational continuity and supporting a seamless transition into subsequent phases of construction.





Civils for Energy Infrastructure

Keltbray delivers specialist civil engineering works that support the development, expansion and resilience of the UK's energy infrastructure. This is a key growth service for the business, reflecting increasing demand for technically robust, safety critical and sustainably delivered civil solutions.

Our capability focuses on integrated enabling and civil works packages, supporting both public and private sector energy projects from early stage development through to construction interfaces. We work collaboratively with clients and principal contractors to manage interfaces, sequencing and buildability, providing certainty over safety, quality and programme.

Keltbray has particular strength within the renewables energy sector, including battery energy storage systems (BESS) and associated infrastructure. Our teams apply engineering led methodologies and strong planning to deliver civil works reliably within regulated and constrained environments.

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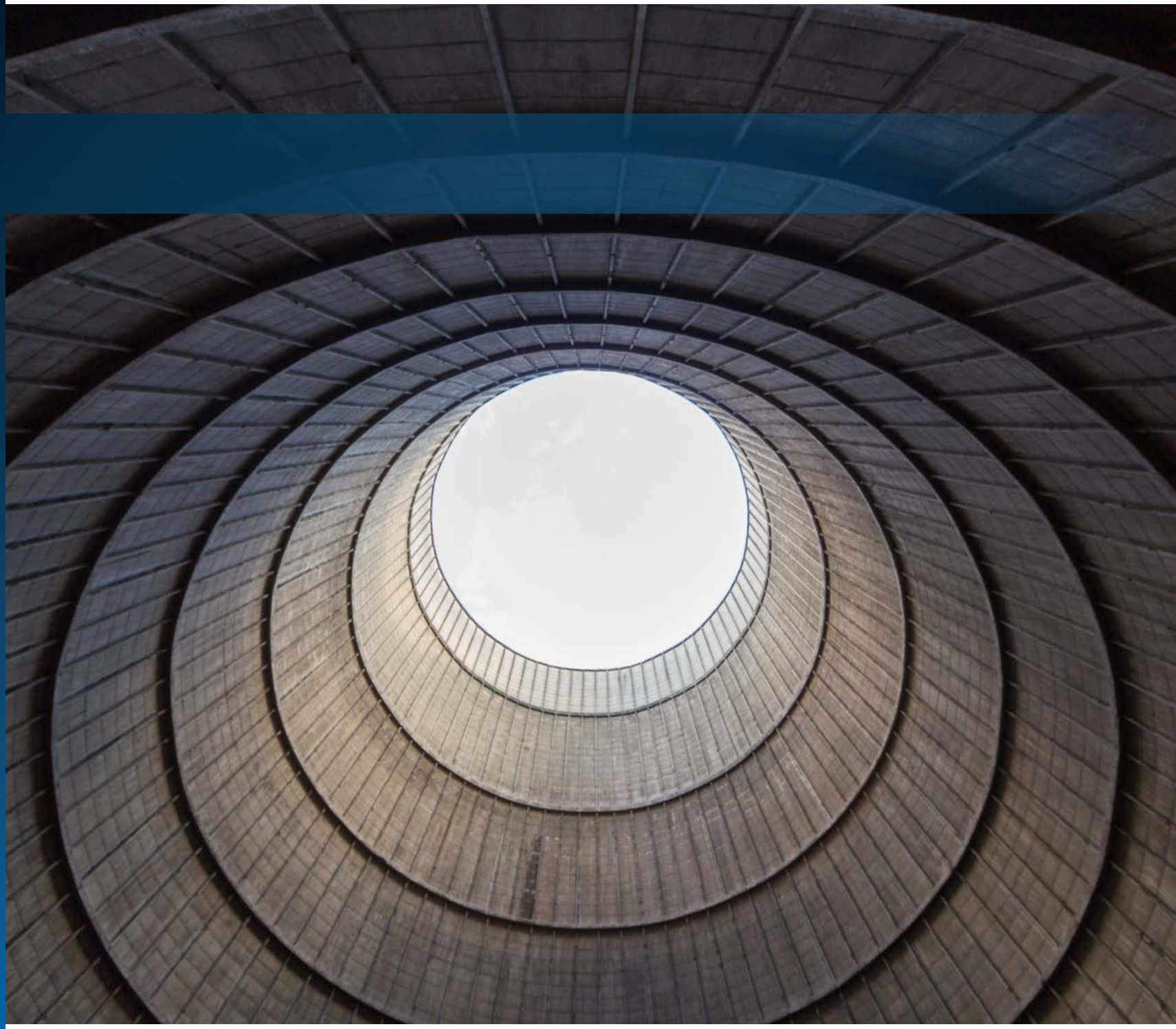
Nuclear



Keltbray brings proven capability to the nuclear sector, built on extensive experience delivering complex projects at Sellafield and within similarly regulated environments. Our track record reflects a deep understanding of the nuclear landscape, underpinned by rigorous safety standards, quality management systems and a mature approach to risk.

We apply disciplined planning, robust governance and engineering led methodologies to deliver specialist civils, complex structures, ground remediation and enabling works safely and efficiently, often within challenging live or constrained conditions.

Building on this established expertise, new build nuclear programmes — including Sizewell — represent a strategic target growth area for the business. We are actively positioning our civil engineering and enabling capabilities to support future nuclear infrastructure development, aligning our experience in high hazard environments with the demands of next generation nuclear projects.



Industrial & Nuclear Decommissioning



Keltbray delivers comprehensive, turnkey decommissioning solutions across complex industrial and nuclear environments, maintaining full control over safety, quality and programme. We are recognised leaders in controlled collapse demolition, using engineered mechanical or explosive techniques to significantly reduce workforce exposure and risk compared with traditional dismantling methods.

Within the nuclear sector, we have established a strong reputation for professionalism and delivery excellence, operating within highly regulated environments and applying robust governance, management systems and safety standards across all disciplines. Our experience spans high hazard sites where safe, efficient and compliant delivery is critical.

Our management and engineering teams bring deep expertise across all major decommissioning methodologies, from piece large dismantling through to controlled collapse. Through integrated engineering and close collaboration across Keltbray disciplines, we manage risk effectively and deliver predictable, high quality outcomes on some of the industry's most challenging projects.

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Office Locations

Keltbray operates across a broad range of sectors, delivering integrated engineering and construction solutions for complex, high profile projects throughout the UK. Our expertise spans both public and private sectors, enabling us to support clients from early stage development through to full project delivery.

Keltbray

Wentworth





Our Head Office
80 STRAND



Case Studies



> Our work speaks loudest when it's seen in action. Every project reflects our commitment to early collaboration, rigorous planning and delivering certainty for our clients. I'm proud to showcase the projects that demonstrate not only what we build, but how we think, partner and innovate.

Martin Hinde
Pre-Construction Director

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Case Study

Richborough

SCOPE:

- Design and build of the Battery Energy Storage System
- Procurement and installation of all equipment
- Construction of associated civil and electrical works
- Commissioning and testing of the full system
- Connection to the 400kV National Grid

CLIENT:

Pacific Green

Keltbray delivered the full Balance of Plant package for a new battery storage facility, designing and constructing all civil and electrical infrastructure required to bring the site into operation. This included foundations, drainage, access roads, extensive cabling networks, earthworks, and the creation of seven specialist equipment islands with reinforced bases, complex ducting and bespoke containment systems for long term reliability. Keltbray also delivered the complete electrical scope, from substation works and internal cabling to security systems and final National Grid connection, securing the necessary Environment Agency approvals to build the drainage outfall beside a tidal river. One of the project's key challenges – installing 30 tonne PCS and BESS units within a tightly constrained site – was overcome through a bespoke lifting solution engineered by Keltbray Lifting, enabling safe, efficient installation without disrupting ongoing works. The result is a fully integrated, safely delivered BoP solution that prepared the facility for operation on time and to the highest standards.







Civils for Energy Infrastructure

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Case Study

Fifty Fenchurch Street

Integrated Enabling & Substructure

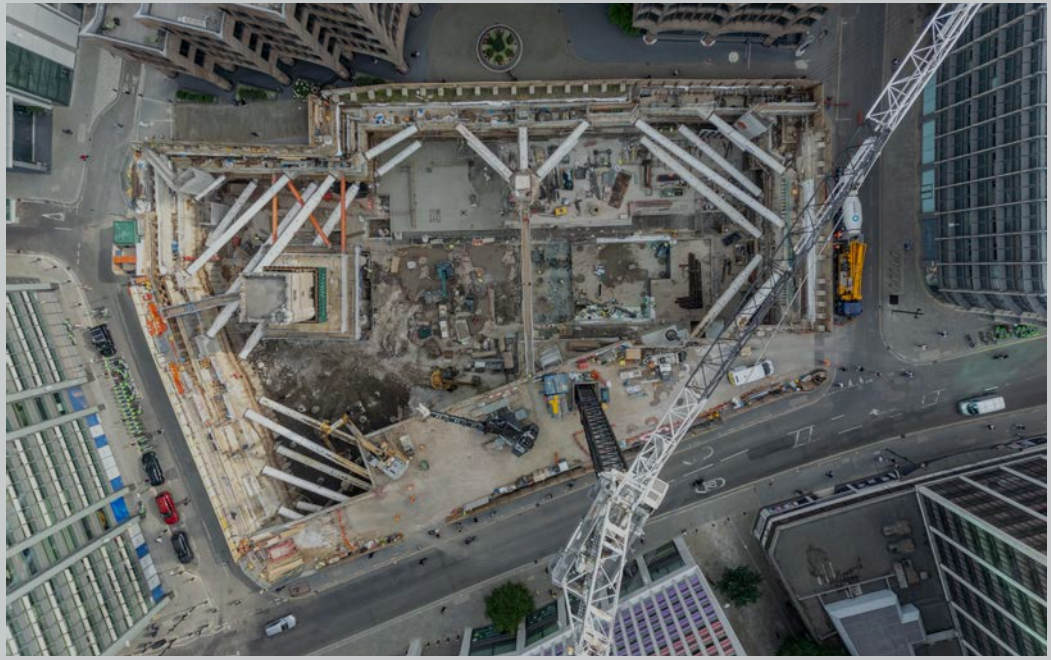
SCOPE:

- Enabling works
- Structural demolition
- Piling and CFA wall
- Bulk excavation and earthworks
- Basement construction
- Temporary works
- Substructure
- Concrete core construction

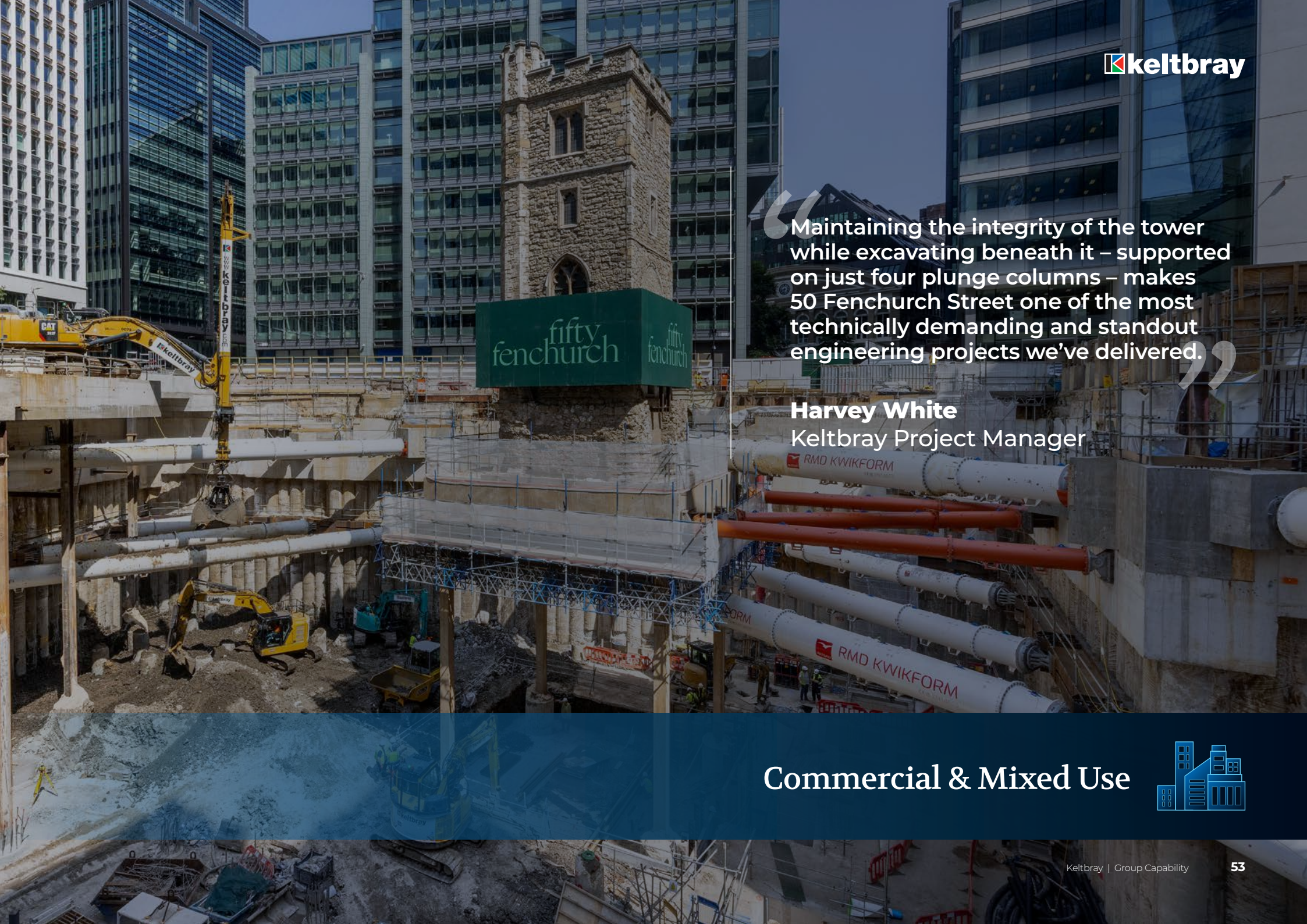
CLIENT:

AXA Investment Managers/Yard Nine

Keltbray is delivering a full package of enabling works, demolition, piling, excavation, basement construction, substructure and concrete core works on a highly constrained City of London site bordered by two protected historic structures. The project involves the safe removal of existing buildings with zero waste to landfill, followed by the excavation of an 81,000m³, 17 metre deep basement just metres from a 400 year old Grade I listed tower – completed without any movement to the heritage asset thanks to advanced modelling and real time monitoring. Our in house engineering team designed bespoke temporary works to maintain stability throughout demolition and excavation, while heritage elements such as the crypt were carefully removed for restoration and the tower was fully supported to allow construction beneath and around it. Keltbray is now progressing the new basement, drainage, waterproofing, substructure and concrete core, delivering complex city centre construction with precision, safety and complete protection of the surrounding historic fabric.







> Maintaining the integrity of the tower while excavating beneath it – supported on just four plunge columns – makes 50 Fenchurch Street one of the most technically demanding and standout engineering projects we've delivered.

Harvey White
Keltbray Project Manager

Commercial & Mixed Use

Case Study

1 Victoria Street

Sustainable Strip Out & Demolition

SCOPE:

- Asbestos removal
- Soft strip
- Structural demolition
- Drainage
- Site investigations
- Pile enabling
- Concrete frame and precast
- Basement construction

CLIENT:

Mitsubishi Estate Property London and Stanhope PLC

1 Victoria Street was ready for renewal, and Keltbray approached its remodelling with a clear focus: retain value, minimise waste and give the building a responsible second life. Guided by circular economy principles, we looked for reuse opportunities at every turn – recovering thousands of floor tiles, dismantling nearly 2,000 windows and diverting more than 110 tonnes of glass into high quality recycling streams.

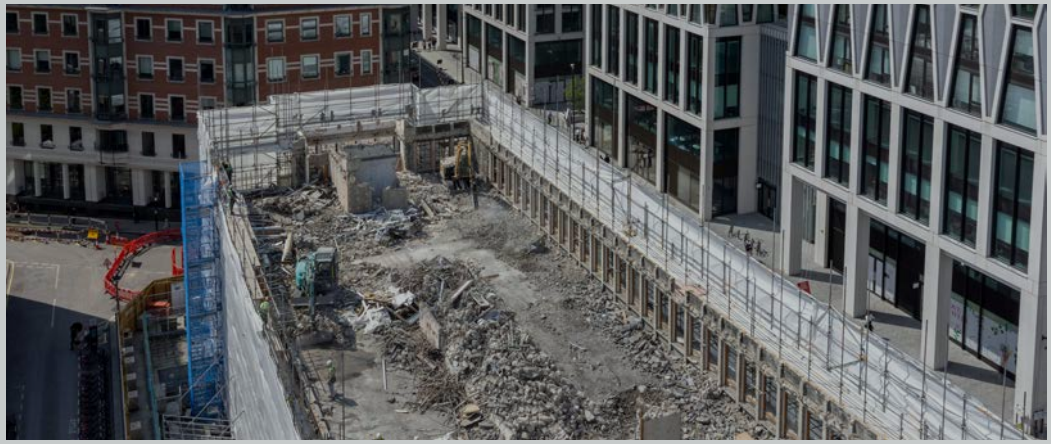
The structural transformation was carried out with the same care: lifts removed, floors taken down in sequence and the building sensitively opened for its next purpose.

Sustainability in Action

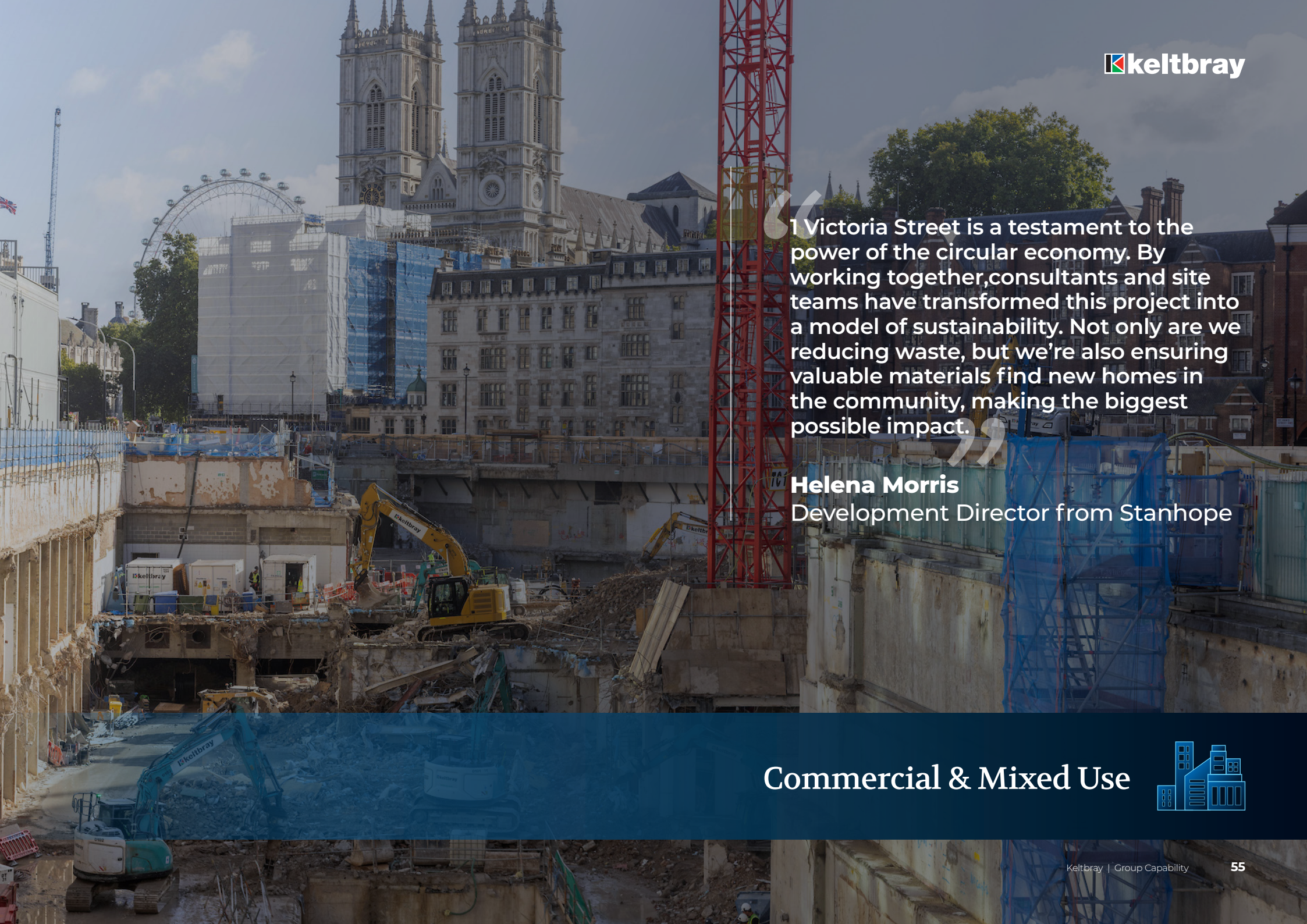
More than 50,000 items – from furniture to fixtures – were donated to local community groups, creating direct social value. Partnerships like our closed loop recycling initiative with Saint Gobain ensured reclaimed materials were not only diverted from waste, but turned into new products. Items and plants found new homes across local charities, community centres and schools.

A Building Shaped for the Future

This project shows how thoughtful engineering and circular thinking can revive a familiar landmark. By focusing on recovery, reuse and community benefit, 1 Victoria Street has been reshaped with purpose – ready for the next chapter of its life.







> 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

Commercial & Mixed Use

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Case Study

Salisbury Square

Delivering the New Home of the City of London Police

SCOPE:

- 18m deep basement
- Substructure and superstructure work
- Integrated delivery across multiple specialist disciplines

CLIENT:

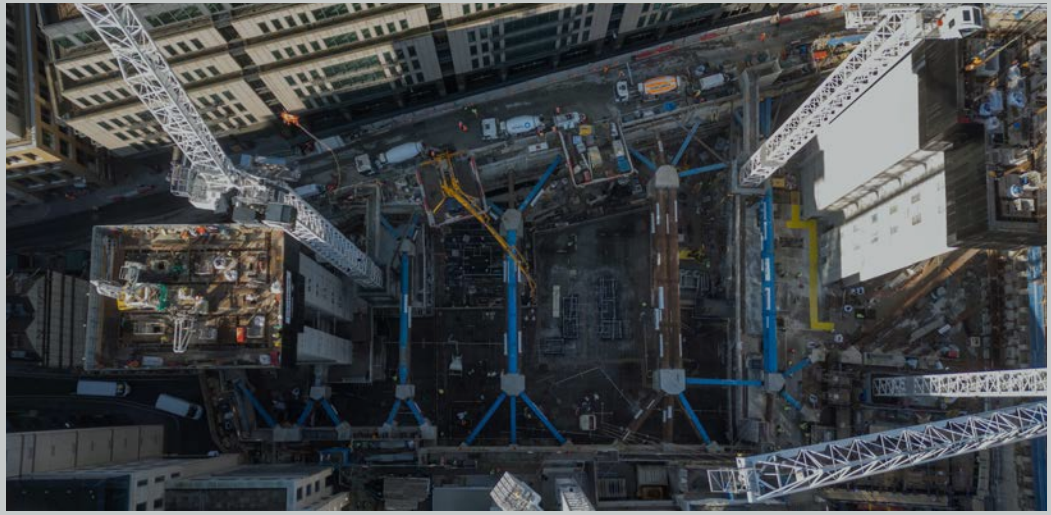
City of London Corporation

Keltbray delivered one of its largest schemes to date at Salisbury Square – the new headquarters for the City of London Police and a landmark £600 million development in the heart of the Square Mile. The project spans an area four times the size of St Paul's Cathedral and includes an 18 metre deep basement designed to accommodate specialist policing facilities.

The scale and complexity of the works demanded tight coordination and a fully integrated delivery approach. By combining our in house structural, temporary works, concrete, and logistics capabilities, we maintained programme certainty while embedding circular economy principles throughout delivery.

Key achievements included installing 9,000 tonnes of reinforcement, placing 40,000 m^3 of concrete, and achieving major carbon savings through the reuse of 785 tonnes of steel. These milestones, alongside an exemplary safety performance, reflect the strength of our engineering led model and disciplined project controls.

Scheduled for completion in early 2027, Salisbury Square will play a significant role in the future of policing and public service in the City of London. Keltbray is proud to have contributed to a project that showcases collaborative engineering excellence on a civic scale.







Commercial & Mixed Use

Case Study

Heathrow Airport

Delivering Critical Infrastructure in a Live Aviation Environment

SCOPE:

- Airside and landside civil engineering
- Pavement and taxiway upgrades
- Asset renewal and enabling works
- Night time and possession based delivery

CLIENT:

Heathrow

Keltbray has delivered a series of essential infrastructure packages at Heathrow Airport, supporting the operation of one of the world's busiest aviation hubs. Working across airside and landside environments, we completed pavement renewals, drainage upgrades, stand enhancements, and key enabling works that maintain airport resilience and capacity.

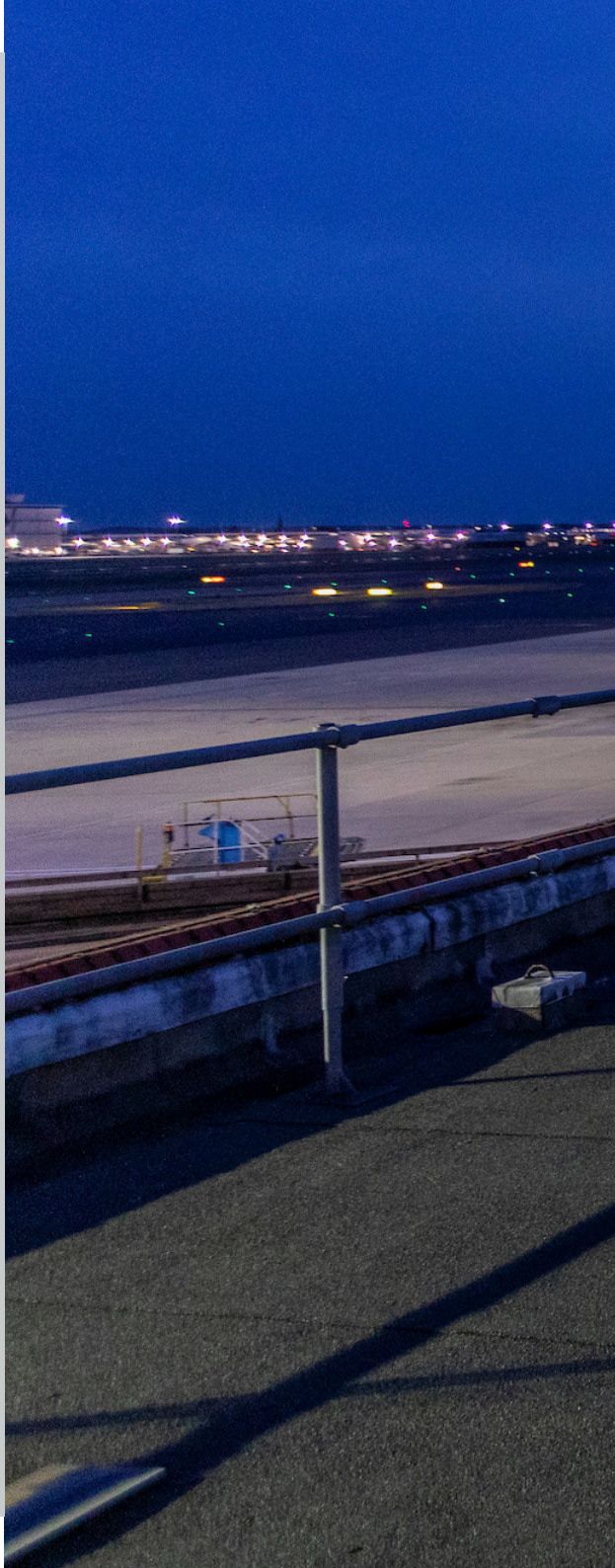
Operating within a live, high security environment required disciplined planning and precise execution. Our teams delivered the works within tight night time possession windows, coordinating closely with operational teams to ensure zero disruption to aircraft movements or passenger services.

By combining specialist engineering, digital controls and self delivery capability, we maintained programme certainty and upheld the stringent safety and quality standards required in an international aviation setting.

Strengthening Heathrow's Operational Performance

Our work has helped enhance the reliability, safety and long term performance of Heathrow's critical infrastructure. Through controlled delivery and robust engineering, Keltbray continues to support the airport's ambition to operate efficiently, sustainably and with the highest levels of operational continuity.







Aviation

Case Study

Sellafield

SCOPE:

- Enabling works
- Large-scale excavation to formation level
- Drainage works
- Road and ducting installation
- Temporary surface water management (SWM)
- Supporting infrastructure

CLIENT:

Sellafield Ltd

Keltbray delivered the Phase 1 enabling works within the ILW East Zone, laying the groundwork for major future developments including LSS1 and BEPPS2. The scope covered extensive excavation to formation level, installation of drainage, roads and ducting, temporary surface-water management, and associated supporting infrastructure.

Early works focused on establishing secure site boundaries, fencing, and wheel-wash facilities to meet strict safety and environmental requirements. This was followed by service clearance and top-scrape operations, carefully planned with stakeholders to minimise disruption to live services.

A defining challenge was operating within a High-Security Nuclear Environment. Working inside the secure perimeter of the Sellafield site meant every activity required meticulous planning, rigorous risk assessment, and authorisation to meet stringent nuclear safety and security protocols.

To meet these demands, the team embedded security considerations into every stage of delivery, from early planning and induction through to execution. Daily coordination with the client's security and health-physics teams ensured that plant, personnel, and deliveries complied with access controls, virtual lane systems, and radiological-clearance requirements. This approach enabled Keltbray to maintain strong safety performance, deliver high-quality work, and keep the programme on track.







> “Keltbray delivered an outstanding project at Sellafield, exceeding expectations through exemplary safety, quality, programme management and social value, and earning strong client endorsement for a complex and challenging scope of work.”

Andrew Haile
Senior Project Manager – Nuclear, Morgan Sindall

Nuclear

keltbray

Case Study

Chesham Data Centre

SCOPE:

- Construction of contiguous and sheet piled retaining walls
- Delivery of bulk excavation and earthworks
- Installation of propping systems, piling and foundations
- Delivery of permanent drainage, ducting and underground services

CLIENT:

Bucks DC Limited

Keltbray delivered the full enabling and foundation package for a new data centre on a complex brownfield site. Works included a 250 metre contiguous piled wall cantilevering to 12 metres and a 70 metre sheet piled perimeter, both completed with reinforced capping beams.

The team undertook 80,000m³ of bulk excavation, followed by a combined temporary/ permanent propping solution using MGF props, RC beams and CFA piles. Keltbray installed 1,200 CFA bearing piles, constructed around 150 pile caps and two tower crane bases, and delivered all permanent drainage, ducting and underground tanks.

These works provided a fully prepared, structurally robust platform for the data centre, delivered safely and to programme.







Civils for Energy Infrastructure

keltbray

Case Study

HS2 – Curzon Street Birmingham Train Station

SCOPE:

- Early enabling works across a 9 acre site
- Groundworks, utility diversions and remediation
- Construction of piling mat and contiguous piled wall
- Installation of 2,000 piles for station and basement structures

CLIENT:

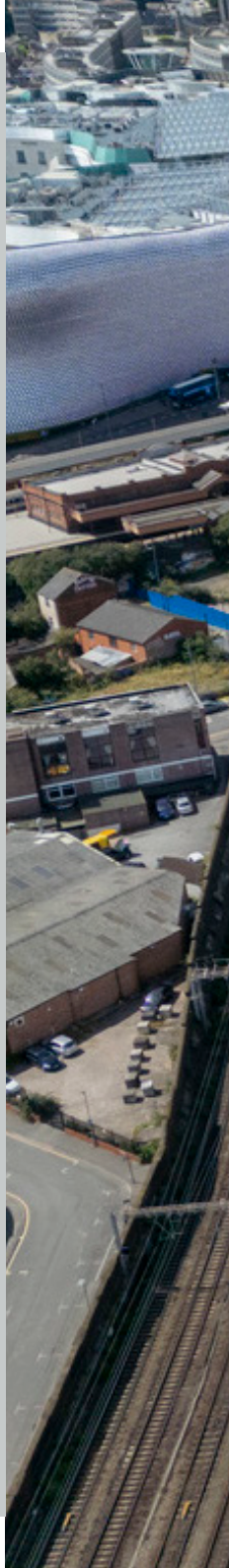
HS2

Keltbray is delivering the enabling, groundworks and piling package for the new HS2 Curzon Street Station for Mace Dragados JV. Early works include a full site strip, haul road construction, berm removal and reduced level excavation, along with extensive utilities investigations, diversions, drainage installations and protection of live services.

Keltbray constructed the piling mat and installed 86 m of contiguous rotary bored piles adjacent to live Network Rail assets, followed by the RC capping beam and bulk excavation.

Across the wider 100,000 m² site, Keltbray is preparing the platform for future station foundations, including remediation and service diversions. The team is also installing 2,000 piles to support the station building, platforms and the interlocking piled walls forming the station basement.







Transport

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Case Study

6-8 Bishopsgate

SCOPE:

- Demolition
- Enabling Works
- Piling
- Basement Excavation
- Slab Construction
- Concrete Works
- Temporary Works
- Asbestos Surveying

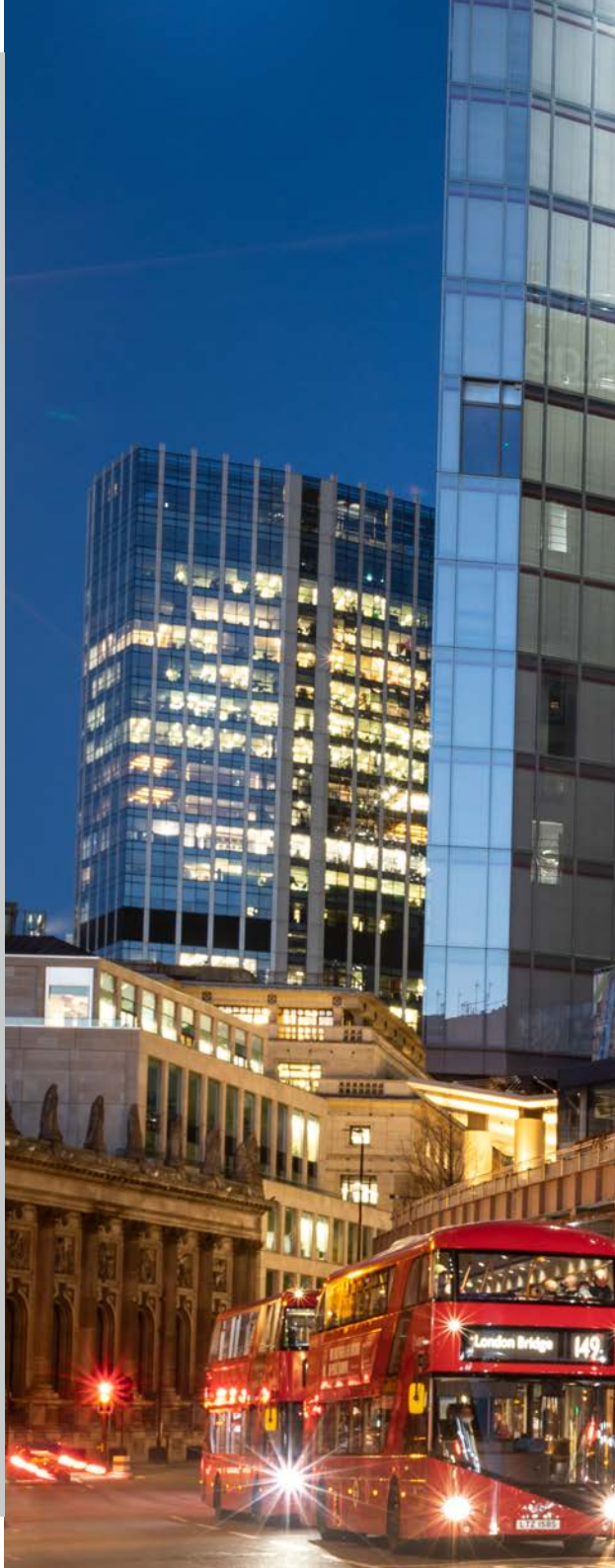
CLIENT:

Mitsubishi Estate Property London and Stanhope PLC

Keltbray delivered the full demolition, enabling works, piling, basement excavation and reinforced concrete construction for the redevelopment of 6–8 Bishopsgate and 150 Leadenhall, clearing the site for the new 50 storey 8 Bishopsgate tower. The works included asbestos removal, soft strip, full structural demolition to B1, complex temporary works design by Wentworth, and extensive pile probing and backfilling. Following demolition, Keltbray executed the piling strategy, secant wall installation, excavation, propping and construction of the new B2 slab, while maintaining the stability of neighbouring assets including 22 Bishopsgate. Subsequent concrete works included construction of new cores and slab structures, delivered in coordination with the wider project team.

Operating within a highly constrained City of London site, Keltbray managed significant logistical and stakeholder challenges – from shared access routes and heritage constraints to TfL interfaces, party wall agreements, live utility protection and archaeological findings. Innovative engineering solutions, including cantilevered scaffold designs, bespoke temporary works, phased dig zones and advanced formwork systems, ensured safe, efficient and uninterrupted delivery.







Commercial & Mixed Use

Case Study

76–78 Upper Ground

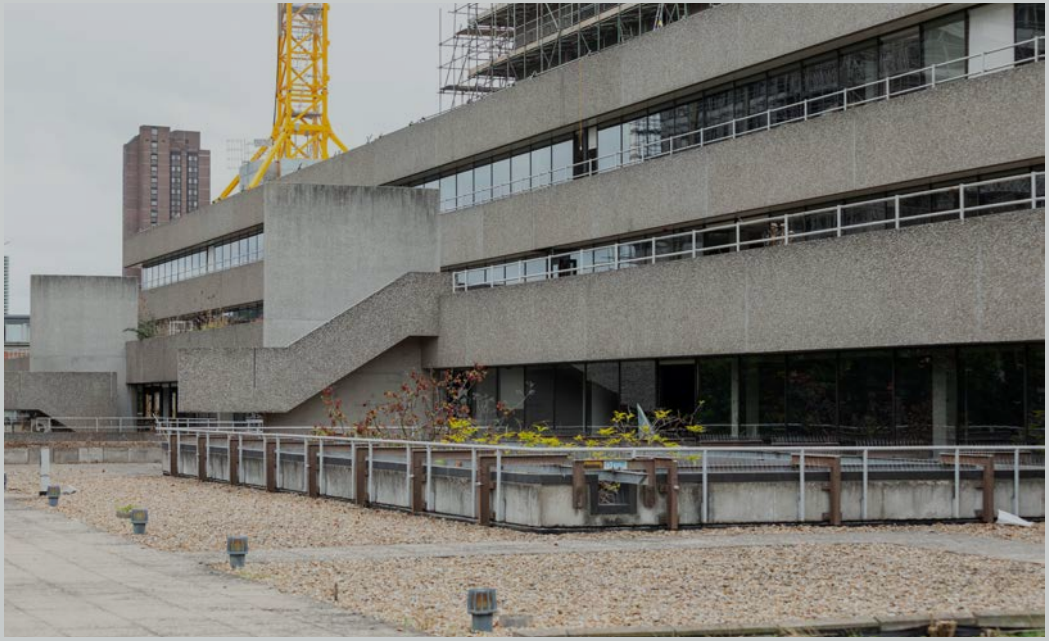
SCOPE:

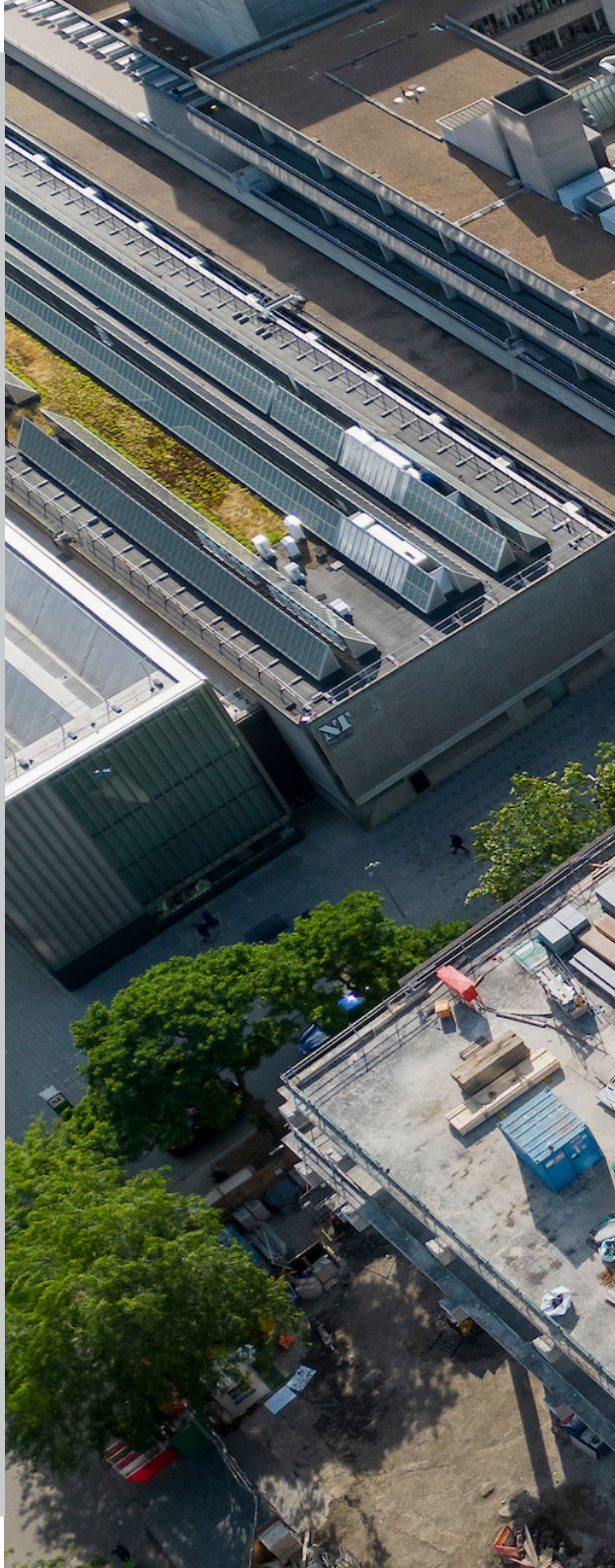
- Demolition
- Enabling Works
- Soft Strip
- Temporary Works
- Piling
- Substructure
- Superstructure

CLIENT:

Stanhope

Keltbray delivered the complex enabling, temporary works, substructure and superstructure phases for the redevelopment of the Grade II listed 76–78 Upper Ground building on London's South Bank. The scheme expanded the former IBM headquarters from 200,000 sq ft to around 300,000 sq ft, requiring major demolition works, removal of existing slabs and full deconstruction of the original structural cores. Our in house engineering consultancy, Wentworth, designed extensive temporary works to maintain stability while protecting exposed heritage elements. Working in a constrained, highly sensitive location adjacent to the National Theatre, we managed strict logistics, community liaison and performance based noise constraints throughout delivery. A major circular economy strategy saw significant materials – including listed granite panels, brickwork, paving blocks and raised access flooring – carefully salvaged and reused, preventing substantial carbon emissions. Follow on piling, substructure and superstructure works included over 300 mini piles, complex cut and lift demolition, heritage panel removal, and reinforced concrete construction.







Commercial & Mixed Use

Case Study

Ferrybridge Power Station

SCOPE:

- Decommissioning
- Controlled Collapse Demolition
- Blasting
- Asbestos Surveying and Removal

CLIENT:

SSE Renewable Energy

Keltbray delivered the decommissioning and controlled demolition of Ferrybridge Power Station in West Yorkshire, acting as Principal Contractor and Principal Designer across a highly complex, multi hazard site. The works involved large scale asbestos removal, mechanical and explosive demolition of the main steel boiler house structures, the controlled collapse of eight reinforced concrete cooling towers, and the demolition of two 198 metre chimneys, along with extensive ancillary structures including the original coal barge unloader on the River Aire. Operating in close proximity to a live National Grid substation, overhead HV lines, adjacent energy from waste facilities, major highways and neighbouring communities, Keltbray implemented rigorous environmental controls, continuous air and vibration monitoring, and best available technology dust and waste management systems. More than 250,000 tonnes of concrete and brick were processed and reused on site, with over 100,000 tonnes of scrap metal recycled. The project demonstrated Keltbray's capability to safely deliver large scale, high risk industrial decommissioning while managing sensitive environmental conditions and complex stakeholder interfaces.







Industrial & Nuclear Decommissioning

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Case Study

Museum of London

SCOPE:

- Demolition
- Groundworks and Excavation
- Engineering Solutions
- Temporary Works
- Structural Alterations

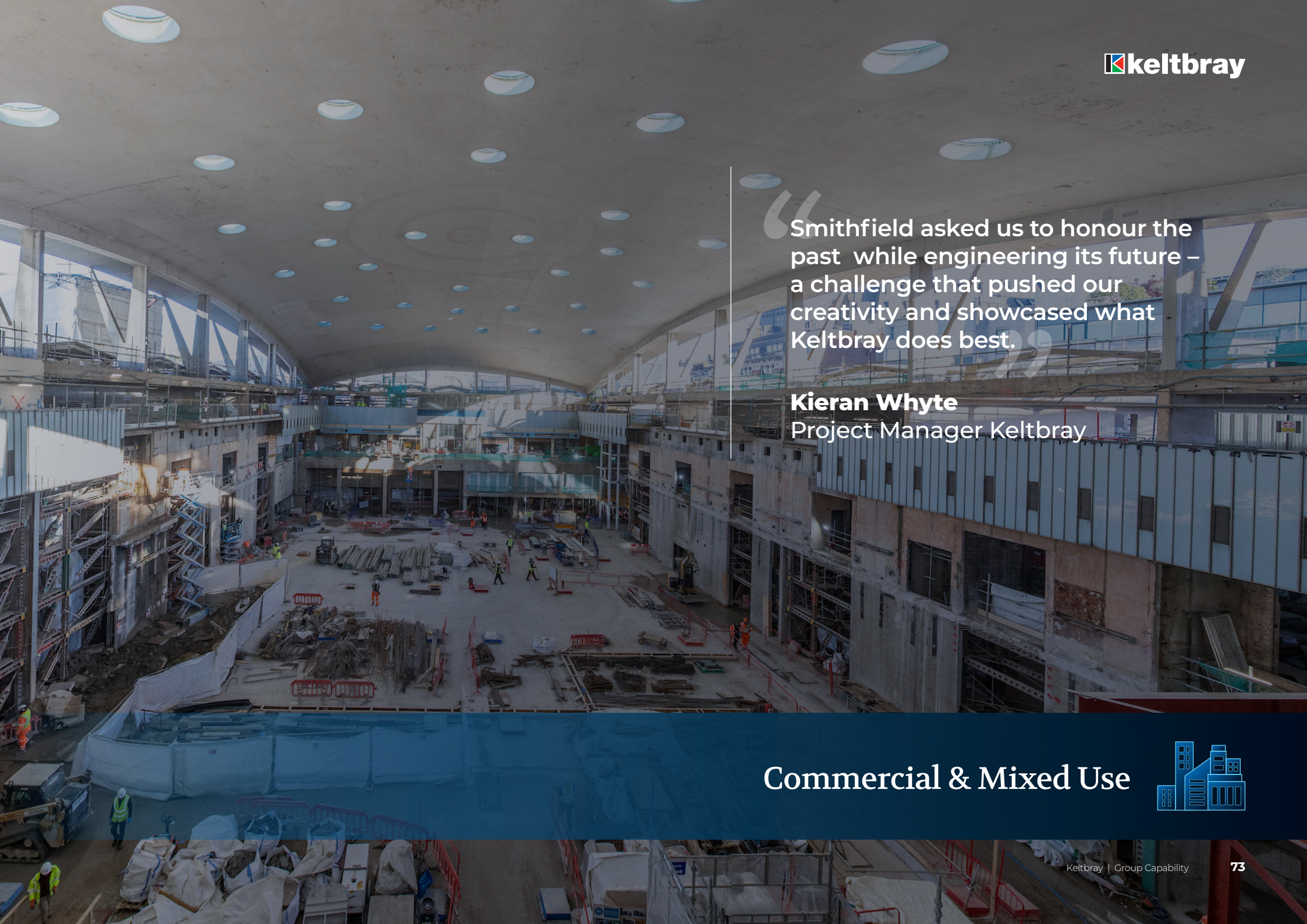
CLIENT:

London Museum

Keltbray delivered the complex transformation of the historic Smithfield Market buildings into the new London Museum, working alongside Wentworth to combine structural redevelopment with sensitive heritage preservation. The scheme revitalised two Grade II listed market halls – the General Market and the Poultry Market—and required extensive temporary works, structural alterations and careful conservation of original façades and historic features. Our integrated delivery model, covering demolition, groundworks, engineering solutions and temporary works, enabled the team to respond quickly to discoveries typical of buildings of this age, including hidden vaults and historic infrastructure. Operating within a constrained Central London location, we managed significant logistical challenges while prioritising the sustainable reuse of materials.







> Smithfield asked us to honour the past while engineering its future – a challenge that pushed our creativity and showcased what Keltbray does best.

Kieran Whyte
Project Manager Keltbray

Commercial & Mixed Use

keltbray

Case Study

HS2 – Sublot 2B Viaducts

CAPABILITY HIGHLIGHTS:

- Delivery of multiple major HS2 viaducts within a complex, multi asset rail programme
- Proven expertise in precast beam viaduct construction with in situ reinforced concrete decks
- Strong capability in managing complex interfaces, integrating piled foundations (by others), bearings and superstructure works
- Precision setting out and tolerance control to meet high speed rail performance standards
- Disciplined bottom up construction methodologies, ensuring programme certainty, quality and safety

CLIENT:

Balfour Beatty Vinci

Keltbray is delivering a portfolio of major viaduct structures as part of the HS2 Sublot 2B scheme, including Balsall Common Viaduct, Marsh Farm Viaduct and River Blythe Viaduct. Collectively, these structures form a critical section of the HS2 route, carrying two high speed rail tracks across watercourses, flood plains and local transport corridors.

The viaducts are predominantly constructed using precast concrete beam solutions with in situ reinforced concrete decks, supported on reinforced concrete piers and abutments founded on deep piled foundations. Beam spans typically range from approximately 20m to 25m, with structures configured as continuous bridge units separated by expansion joints and incorporating complex bearing strategies to accommodate structural movement and load transfer.

A key delivery challenge across the Sublot 2B works is the integration of multiple structural interfaces, including piled foundations (installed by others), bearings, precast superstructure elements and extensive in situ concrete works. Each structure requires precise setting out, sequencing and tolerance control to meet the demanding standards associated with high speed rail infrastructure, often within constrained and environmentally sensitive environments.

Keltbray is delivering the viaducts using carefully planned, bottom up construction methodologies, combining disciplined programme management with technical expertise in temporary works, precast installation and structural concrete delivery. This approach ensures safety, quality and programme certainty across a complex, multi asset rail scheme.

Through effective interface management and a consistent focus on buildability and performance, Keltbray is successfully delivering a suite of technically demanding viaducts, demonstrating its capability to manage large scale infrastructure projects from substructure through to completion.







River Blythe Viaduct

Transport

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Marsh Farm Viaduct







Balsall Common Viaduct





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Case Study

HS2 – C1 Shafts

SCOPE:

- Construction of reinforced concrete works for five HS2 ventilation and access shafts
- Concrete works carried out up to 65 metres below ground
- Installation of base slabs and tunnel interface structures
- Construction of main shaft structures using slipform construction
- Delivery of basements, ground floors and all above ground concrete works

CLIENT:

Align JV

Keltbray delivered the reinforced concrete works for five HS2 C1 ventilation and access shafts in Buckinghamshire, overcoming the significant challenge of constructing complex structures up to 65 metres below ground in tightly constrained conditions. The project required the installation of deep base plugs and large scale tunnel interface collars that stabilised diaphragm walls and enabled TBMs to safely pass through the shafts, while allowing for future tunnel breakthrough. To manage programme and logistical risk, Keltbray deployed slipform construction for the main shafts, operating 24/7 to maintain momentum and certainty. This approach, combined with careful coordination with tunnelling teams and a phased transition from deep below ground works to above ground construction, ensured safe, efficient delivery of a technically demanding scope on a nationally significant infrastructure project.







Chalfont St Peter

Transport



Health, Safety & Wellbeing



Our Health & Safety Philosophy

At Keltbray, health, safety and wellbeing are fundamental to how we plan and deliver work. Our Promote Health, Prevent Harm (PH²) strategy integrates physical safety, occupational health and mental wellbeing into a single, embedded framework that informs leadership decisions and site level behaviours alike.

We focus on making safety simple, practical and relevant, using clear communication tools, including Visual Standards, to ensure expectations are consistently understood and applied across all projects.

Assurance Systems & Digital Reporting

Our assurance framework provides transparency, accountability and continuous improvement across all activities. Statutory and best practice requirements are translated into usable procedures, supported by Back to Basics summaries and Visual Standards that clearly show what good looks like at the point of work.

Digital inspection, audit and incident management systems, managed by live project dashboards, provide real time performance insight to project teams, directors and clients, enabling early intervention and proactive risk management.

Industry Recognition

Our approach is reinforced through independent industry recognition and benchmarking, reflecting the strength of our leadership, culture and assurance systems, including our innovative use of visual communication tools to improve understanding, compliance and safe delivery in complex, high risk environments.





KML OCCUPATIONAL HEALTH

We are proud of our in-house occupational health provider, KML Occupational Health. KML delivers on its mission statement of "helping to maintain a healthy workforce" by providing a comprehensive range of phys-ical and non-physical occupational health services including those around mental health and wellbeing.

kml occupational health

STICK TO THE PLAN

Stick to the Plan defines how we turn health and safety strategy into everyday behaviour. It provides a clear, shared framework that empowers our people to follow agreed safe systems of work and stop activities where conditions change or a plan is unclear.

By setting consistent expectations around awareness, ownership and speaking up, this approach reinforces a culture where people feel confident and supported to challenge unsafe acts or conditions.

STICK 2 THE PLAN

PH² – PROMOTE HEALTH, PREVENT HARM

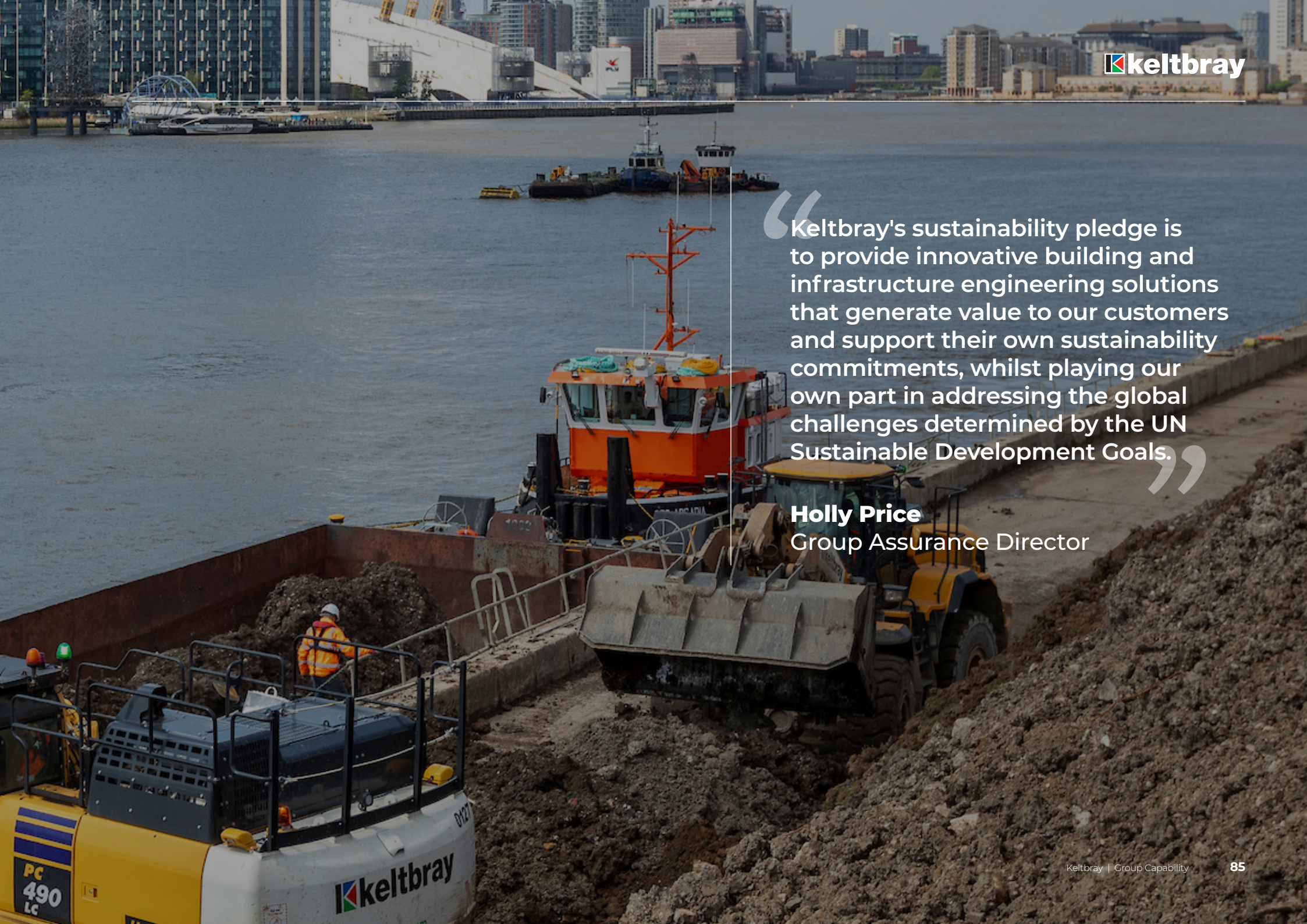
Keltbray takes a holistic approach to occupational health and wellbeing through an equal focus on physical and mental health, managing health risks with the same rigour as safety risks. Our framework integrates occupational health surveillance, exposure monitoring, mental health support and wellbeing initiatives, delivered through strong in house capability and embedded into how work is planned and delivered.

By integrating health and wellbeing into our operations, we create environments where people can perform safely, sustainably and at their best.

ph² Promote Health Prevent Harm



Sustainability & ESG Commitments



> 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 Assurance Director

keltbray

Our Purpose-Led Approach

As a self delivery engineering business, we own our impacts. Sustainability informs how we design, procure, and deliver – balancing environmental, social, and commercial priorities to create long term value.

Embedding Sustainability in Engineering Decisions

Environmental performance is built in, not bolted on. Material choices, methodologies, sequencing, logistics, and temporary works are engineered to reduce carbon, waste, and disruption from the outset.

Long Term Resilience & Responsible Delivery

We enable national resilience through low carbon energy, modern transport, and sustainable regeneration. Responsible procurement, transparent reporting, and strong governance protect ecosystems and communities.

Carbon Reduction & Whole Life Performance

We help clients meet net zero ambitions through design efficiency, low carbon materials, digital optimisation, and modern methods – improving whole life outcomes, not just construction phase metrics.

Community, Social Value & Environmental Stewardship

We create local opportunity – jobs, skills, and supply chain development – while protecting biodiversity and minimising disruption. Social value is measurable and lasting.







keltbray

TOTAL SOCIAL VALUE GENERATED

£54,013,342

COMMUNITY INVESTMENT

£1,270,807

WORK EXPERIENCE

£32,133

VOLUNTEERING

£18,096

JOB CREATION

£19,370,446

WORKFORCE WELLBEING

£149,700

PRE-EMPLOYMENT AND EDUCATIONAL ENGAGEMENT

£31,694

APPRENTICESHIP

£1,691,595

SUPPLY CHAIN RESILIANCE

£30,324,292

TRAINING AND UPSKILLING

£900,101

ENVIRONMENTAL STEWARDSHIP

£224,478

hiperenergy™

Hiperpile

A dual-use, low carbon foundation system incorporating thermal energy storage and exchange within its hollow core.

Our Hiperpile was awarded the 2025 ICE Brunel, recognising its transformative impact on low carbon foundation engineering. In addition to dramatically cutting embodied carbon in deep piled foundations, the Hiperpile turns foundation systems into energy enabled assets, reducing whole-life cost and carbon for our clients.

Tangible benefits include:

- Improved safety through reduced vehicle movements and pile breaking activity Improved quality through the adoption of off-site manufacturing
- Reduction in materials in piled foundations of up to 50%
- Reduction in embodied carbon of up to 40%
- Geothermal energy potential of up to 100kW per pile, reducing peak and annual operation costs by up to 50% for space heating and cooling and district hot water
- Up to 50,000 litres of underground thermal storage per pile, enabling operational efficiency through load shifting - reducing grid demand and electricity costs
- Operation benefits include reduced electricity costs, maintenance costs and additional roof space which would otherwise be taken up by large air source plant

The Hiperpile has already been deployed on major schemes including HS2, Manchester Airport Terminal 2, Tottenham Hotspur hotel development and The Line, NEOM in Saudi Arabia, demonstrating its applicability and value across sectors and regions.

Visit our website for technical information on the product, sector specific case studies and funding models:

Hiperenergy.com



WENTWORTH

Over	2000	Projects delivered to date
	20%	Graduate/Apprentices
	3x	BCIA Award Winner

For over 25 years, our in-house engineering consultancy, Wentworth, has delivered high quality, fully integrated solutions across permanent and temporary works, geotechnical engineering, testing, verification and design. Their depth of expertise spans some of the industry's most complex and technically demanding projects, consistently achieving exceptional standards and expert performance.



Rising Star Award – Construction News

A testament to our talent pipeline and leadership development, celebrating the emerging professionals who drive our performance and innovation.









5% Club – Platinum Award winner

Worshipful Company of Constructors Royal Charter Award for Excellence in Construction – Tower of All Hallows Staining/50 Fenchurch

HiperPile Brunel Award – 2025

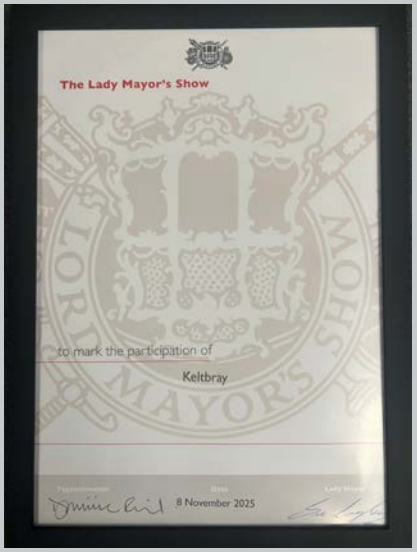
Recognising innovation and excellence in piling and ground engineering – evidence of our commitment to technical advancement in complex ground conditions.



The Lady Mayor Show

At the Lady Mayor's Show 2025, our float turned heads with a striking globe, crafted entirely from reclaimed materials by the talented students of The Grey Coat Hospital School.





keltbray

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