

Jarvale Construction Ltd.



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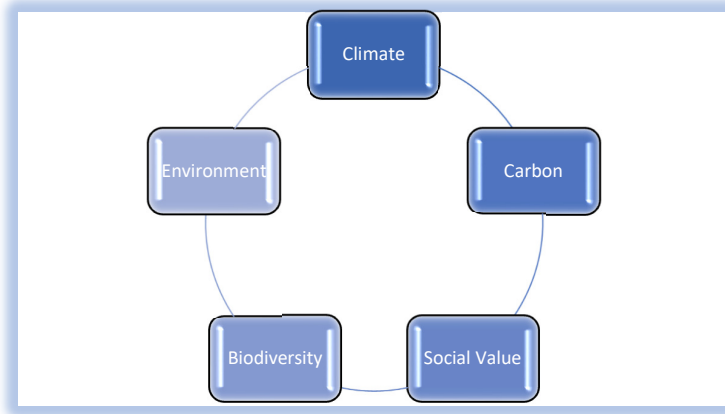
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Introduction.

Jarvale’s Sustainability plan has been developed holistically and addresses the challenges of Carbon reduction, Climate Change, Environmental protection, Biodiversity gain and Social Value.

Jarvale’s interconnected policies and strategies have been developed to target, and achieve, Net Zero Carbon, Biodiversity enhancements and deliver our Sustainability commitments.



Jarvale’s Holistic Sustainability Plan.

Our aim is to leave a positive lasting legacy wherever we work.

We support the Carbon Literacy Project, our staff undergo training and awareness on environmental/sustainability matters and support local conservation and community activities.

Our Carbon Reduction Plan (CRP) aligns with long-term UK strategy and is accessible via our website.



We implement environmentally sustainable delivery plans for projects commencing with design/pre-construction, throughout construction and ultimately for end-users, underpinned by our accredited to ISO14001 procedures and Policies.



At project commencement we agree specific activities with stakeholders targeting:

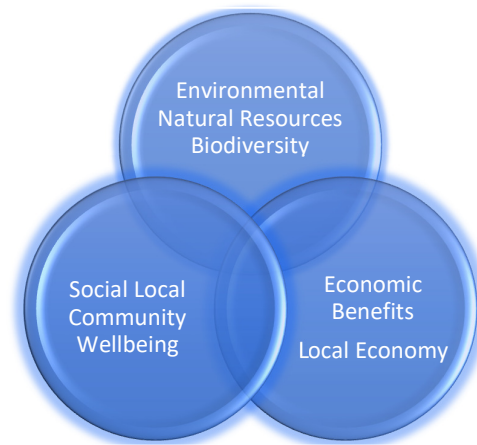
Re-Use/Recycling of materials
Waste Reduction at Source (where feasible)
Carbon Reduction
Employing Local Suppliers (over 90% of our supply-chain is based in South Yorkshire)
Education: Raising environmental awareness amongst supply partners
Collaboration with stakeholders; behaving considerately and responsibly
Eliminating/mitigating potentially adverse environmental impacts
Enhancing Biodiversity wherever possible
Identifying and supporting local community initiatives wherever possible

Decisions made early in the design phase mean environmentally sustainable construction methods, resource efficient material selection, low carbon solutions and technologies can be explored, implemented and carried through to completion.

Environmental/Sustainability Processes.

Our procedures are built around specific activities and follow a logical sequence.

- **Inception stage:** Engagement with stakeholders to gain understanding of specific issues and identifying appropriate solutions
- **Planning stage;** Construction involvement helps streamline planning applications
- **Planning stage;** Review of requirements with appropriate challenge
- **Outline Design development:** Sustainability workshops
- **Pre-Construction/design development:** Joint review of environmental/sustainability
- **Option Challenge through to handover:** Engage with key stakeholders; Consider long-term aims and potential sustainability benefits



Sustainability Integrated Approach.

Benefits of our approach:

Sustainability and environmental aspects are integrated from the outset
Collaboration: We adopt an open, honest approach to promote ideas and solution generation
Integrated team: focused on common goals and outcomes
Early design changes: incorporated to meet sustainability goals
Stakeholders/end users: understanding/agreement established from an early stage
Risks and opportunities: identified, mitigated and addressed more efficiently

Project Specific Environmental Management Plans (EMP’s) are established at project commencement and include:

Site Waste Management Plan: focused on waste reduction/elimination with performance measured against agreed targets. Target waste elimination at source.
Sustainable Procurement: all enquiries, documentation and pre-start agendas will include environmental and sustainability aims
Carbon Reduction Measures: mitigating project impacts and ensuring alignment with Jarvale’s commitments
Environmental Impact Assessments: identifying opportunities to enhance the project area including sustainable drainage solutions (SudS).
Operational Controls, arrangements, inspections, responsibilities and audits

Each EMP will also define Roles/Responsibilities relating to environmental and sustainability activities.

Environmental/Sustainability matters also feature in project progress meetings, inductions and briefings which address environmental aspects including:

- Waste Minimisation
- Project Recycling Requirements
- Carbon Impact/Reduction
- Community Impact/Considerate Constructors Scheme
- Toolbox Talks also include environmental/sustainability aspects



Jarvale Head office – Navigation Way.

Carbon Impact/Carbon Reduction Plan.

We have an ambitious Carbon Reduction Plan with defined targets to achieve Net Zero before 2050. We support the Carbon Literacy Project and are actively engaged in initiatives to target carbon impact.



Our Carbon Reduction Plan (CRP) is in accordance with Policy Note PPN-0621 and based on data collated over the period 2021/2022 during which time we relocated to new premises at Navigation Way.

Our CRP is a fundamental element of our current and future business strategy.

Before locating to our current facility, and as part of the development process, we established a series of measures, a roadmap, and long-term plans, to mitigate our carbon footprint. These steps are integral to our CRP.



Jarvale Head Quarters – Navigation Way.



JARVALE CONSTRUCTION LTD (NET ZERO ROAD MAP)

AIM: To Achieve Halving of Carbon Emissions by 2030 & all by 2050

By End of Year	OBJECTIVES	STATUS
2050	UK Government Net Zero Target	By 2050
2045	Aim to achieve Net Zero Carbon emissions	By 2045
2040	Aim for zero avoidable waste in construction (CLC Map)	By 2040
2028	Use only site welfare cabins with LED, sensors & efficient heating designs	By 2028
2028	Convert the gas central heating system to a heat pump system	By 2028
2028	Change 100% company vans to all electric (Renewable energy powered)	By 2028
2026	Change 50% company vans to all electric (Renewable energy powered)	By 2026
2026	Designers to use cost & carbon calculators measuring carbon in chosen materials	By 2026
2025	Implement ISO14068 & ISO14064/1 Standards	By 2025
2025	Change 100% of the company cars to all electric (Renewable energy powered)	By 2025
2024	Designers to include carbon assessments (ICE-the carbon project)	By 2024
2024	Support and select design teams who design low carbon project solutions	By 2024
2024	Change 50% of the company cars to all electric (Renewable energy powered)	By 2023
2023	Provide EV electric car charging points for a 50% electric car park	By 2023
2023	Change Forklift to fully electric model	By 2023

KEY: Action Recommended ■ Action being implemented ■ Action Complete ■

Please note. This plan is not finite. It will be developed in tandem with other Jarvale business planning tools and amended as new technologies and innovations become available

Jarvale Carbon Reduction – Net Zero Roadmap.

Construction methods using low carbon approaches - working collaborative with supply chain partners (e.g. Sustainable resources/local suppliers).

We work collaboratively with client representatives, stakeholders and end-users to identify environmental and carbon reduction aims.

Our Carbon Reduction Plan (CRP), which forms the basis of our approach, is based on data collated over the period 2021/2022 during which time we relocated to new premises. Our CRP is therefore relevant to our current and future business strategy.



Jarvale Head Office.

Our primary activity is construction which is reflected in the Scope 3 figures.

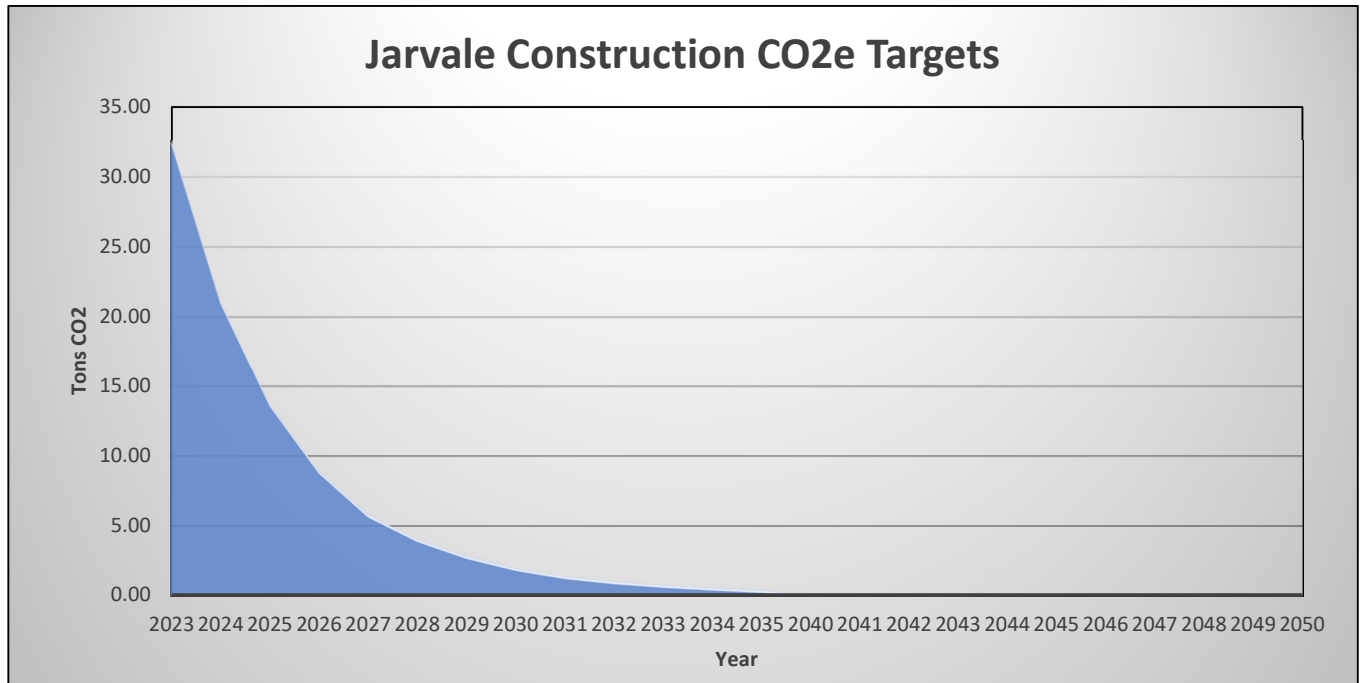
Emissions	Total (tCO₂e)
Scope 1	14.8
Scope 2	8.6
Scope 3	21.9
Total Emissions	45.3

Jarvale Carbon Reduction – Emissions Baseline.

Emission reduction targets

In order to continue our journey to Net Zero, we have adopted a number of key carbon reduction targets. We currently project that our carbon emissions will decrease over the next five years to 4.7tCO₂e by 2028. This equates to a reduction of 80% against our baseline measure.

Forecast progress against these targets can be seen in the graph below:



Jarvale Carbon Reduction – Net Zero Timeline.

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

As this is our initial CRP (due to recently relocating) our proposed measures and targets are aimed at enhancing our current activities. We have established an initial plan which will dramatically reduce our carbon footprint in the next five years. Thereafter we will be targeting specific areas of our business activities to build upon these achievements.

When constructing our new office facilities in 2021, we implemented energy saving activities including:

- LED/PIR Lighting
- Automated water systems (mitigating heating requirements)
- Instant hot water taps (reducing water and electricity use)
- EV charging points (which will be increased when our PV systems are installed)
- Increasing insulation in the building

These targets are reviewed on an annual basis (as a minimum). Whilst we are currently committed to achieving Net Zero by 2050, we are actively seeking measures that will support our aim to reach this goal earlier.

Biodiversity.

When constructing our new headquarters at Navigation Way we actively implemented measures to mitigate our carbon impact during construction and for the longer term.

We planted trees and landscaped the area to integrate with the surrounding woodland. We have also created gardens with plants beneficial to insects.

Throughout the planning and construction process, we were committed to minimising our impact on the environment and maximising our positive impact on the community.

We used energy-efficient systems to reduce our carbon footprint. We also worked with local businesses to create job opportunities and promote economic growth in the area.



Jarvale Headquarters.

Promoting Best Practice.

Jarvale, and our supply chain partners, disseminate information across project teams in order to educate employees about the importance of environmental protection and biodiversity enhancement. Processes include:

- Project EMP containing training/awareness schedules addressing specific issues to facilitate soft landings/long term sustainability
- Lessons Learned and Best Practice are shared through briefings, team meetings and communicated to supply chain partners
- Toolbox talks addressing environmental issues
- Engaging with specialists in ecology, SudS and natural processes

Our Business Development Manager is responsible for implementing our Carbon, Environmental and Biodiversity activities. He has achieved Carbon Literate Certification and volunteers for the RSPB.

Climate Impact.

Jarvale's aim is for all our projects to have minimal climate impact and an environmentally sustainable lifecycle. We aim to achieve these goals from project inception, through design, construction, for end-users and in our own day-to-day activities. Jarvale's approach encompasses:

- The Climate emergency
- Carbon reduction
- Minimising environmental impact
- Increasing Biodiversity
- Community engagement
- Local supply chain
- Energy use – reducing reliance on fossil fuels
- Natural resources

Jarvale's current plans include converting our entire fleet to EV by 2028.

We are also installing Photovoltaic (PV) panels on our head office facility to provide charging for the EV's – further mitigating the carbon impact of purchasing energy from external providers.



Jarvale offices garden detail.

Social Value.

Jarvale is committed to working positively, collaboratively, and constructively, with all parties including local communities and supply chain partners. This is essential to ensure understanding of aims and approaches for encouraging participation of diverse groups.

Award winning commitment to Social Value.

In 2023 we received an award in recognition of our commitment to support the local economy, and job opportunities, when building our new headquarters at Navigation Way. We worked with local businesses to create job opportunities, promote economic growth in the area and received this award for our commitment to the region.

We actively engage with clients, local charities, community associations, educational institutions and Not For Profit (NFP) organisations to identify potential Social Value opportunities.
We consider all options that are appropriate and proportionate to project needs including wellbeing, community benefits, work opportunities and education. Outcomes are assessed and agreed with all stakeholders.
We explore how we can support initiatives to encourage participation and provide information about career opportunities. Initial considerations include demographics, diversity and inclusivity of the community as well as the dynamic and economy of the local area.
We plan with clients, supply chain partners and key stakeholders how we can implement specific aims during project delivery.

We believe that Social Value needs, in the long term, to be multi-faceted and self-sustainable. Initial considerations enable us to identify specific outcomes for long-term benefits, understand challenges and aid establishment of self-sustaining progress as part of our commitment to leaving a lasting, positive legacy.

Our Business Development Manager has been actively involved in promoting and providing opportunities for inclusion and apprenticeships working with NFP Organisations. He shares his experience and knowledge to benefit projects, working with clients and key stakeholders to encourage engagement with target groups He is also a volunteer for the RSPB at Old Moor (Barnsley) supporting Community Engagement activities.

Social Value Engagement During Project Initiation

Our site teams and supply chain partners will be engaged at project initiation to ensure awareness of agreed Social Value/Environmental (SV/E) aims for each Project. Our primary aim is to establish a clearly defined and agreed plan, implement an appropriate, fully collaborative approach ensuring that we address and include, where feasible:

Social Value Aims and Objectives	Stakeholder needs and expectations
Potential community engagement	Community Legacy Benefits
Environmental needs and Climate Action Benefits	Social Value commitments through the supply chain
Added Value for the local economy	Appropriate Resources

We also jointly explore, with clients, during Pre-construction, appropriate project specific plans. These may include, for example, engaging with community groups and stakeholders to raise awareness of career opportunities.

Our Social Value Commitments include:

Support for improved community integration and equal opportunities
Promote an integrated community legacy outcome at project initiation
Engage, where possible, with those who support people from disadvantaged or minority groups and address inequality in employment to help them develop new skills.
Support ongoing initiatives, wellbeing and community engagement activities wherever feasible.
A Training and Development Policy that aims to increase skill levels and reduce inequality within the workforce.
Developing our staff, at all levels, on a continual basis, offering a range of training and development opportunities to improve knowledge, skills, competence and working practices.



Wellbeing Garden - NGH Chesterman and Vickers Corridor.

