

# Environmental Goals & Achievements

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Reducing carbon emissions and environmental responsibility is at the heart of our commitment to making a positive impact.

[Read more >>](#)



A background image of a seedling with two leaves growing out of dark soil. A vertical green line is positioned above the text, and another vertical green line is positioned below the text, both centered horizontally.

**To change the future  
of construction one  
modular at a time  
with**

**Integrity, Focus  
Excellence & Teamwork**



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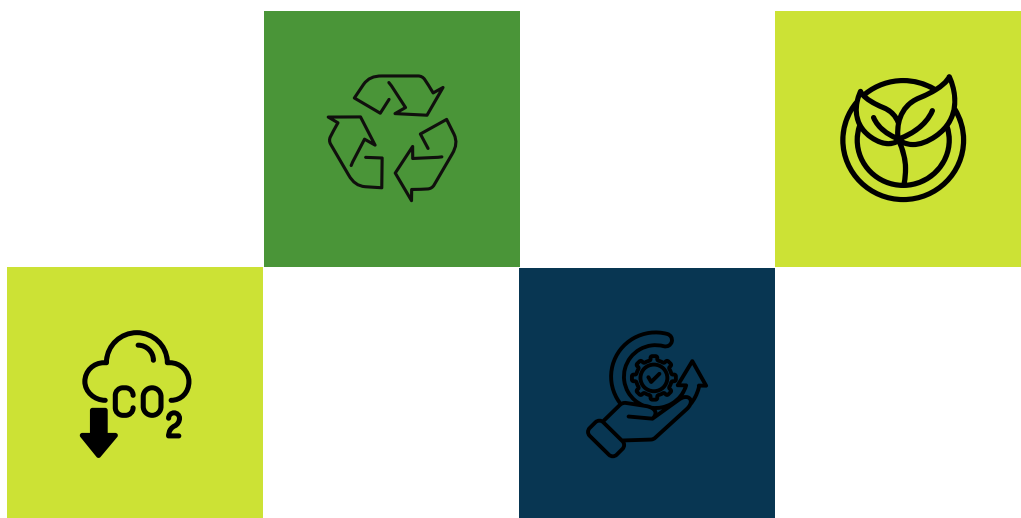
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# Environmental Sustainability

## P MCVEY BUILDING SYSTEMS IS COMMITTED TO BUILDING A SUSTAINABLE FUTURE

At P McVey Building Systems, environmental sustainability is at the core of everything we do. We are dedicated to reducing our carbon footprint, minimising waste, and conserving resources across all aspects of our operations. A key part of this commitment is our innovative offsite construction approach, where modular units are manufactured in a controlled factory environment. This method optimises resource use, streamlines timelines, and significantly reduces on-site disruption.

Our offsite solution not only cuts construction time and costs but also lowers carbon emissions. By limiting the use of heavy on-site machinery and reducing fuel consumption and energy demands, we make a meaningful impact on the environment. Continuous monitoring, strategic investments in energy-efficient technology, and a focus on sustainable transport and logistics further strengthen our efforts to build responsibly today and for the future.







## CO<sub>2</sub> EMISSIONS REDUCTION

Committed to building sustainably, with initiatives that reduce our environmental impact. By sourcing 100% renewable wind energy, planting one trees and installing solar panels.

## ENERGY USAGE REDUCTIONS

Implementing energy-efficient practices across all operations, including factories, offices, and project sites. Leading to a 25% reduction in post-construction energy consumption.



## THIRD-PARTY AUDIT RESULTS

Maintaining the highest standards of quality, environmental responsibility and safety P McVey Building Systems is verified through independent third-party audits.

A pair of hands, one from the left and one from the right, are gently holding a small, textured globe of the Earth. The globe shows the continents of North and South America in green and the oceans in blue. The hands are wearing light-colored, ribbed sleeves. The background is a solid teal color. Two thin, vertical green lines are positioned on either side of the globe, one above and one below the text.

# Key Initiatives

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# Renewable Energy Use

## POWERING OUR OPERATIONS WITH CLEAN, RENEWABLE ENERGY

P McVey Building Systems is committed to building a sustainable future by reducing our environmental impact. A key part of this commitment is our complete transition to 100% renewable wind energy across all offices and factories.

**By sourcing electricity from a local wind farm, we have:**

- Eliminated reliance on fossil fuels for our operations
- Significantly reduced our carbon emissions, helping combat climate change
- Aligned with our long-term sustainability goals to operate responsibly and efficiently





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# Renewable Energy Use

## POWERING OUR OPERATIONS WITH CLEAN, RENEWABLE ENERGY

P McVey Building Systems has installed a 132kW solar system on the roof of our factory. This investment in renewable energy reduces our carbon footprint and supports our commitment to sustainable operations.

We are proud to have partnered with MACDC Electrics for this project, whose expertise made the installation seamless and efficient. By embracing clean energy solutions, we are taking tangible steps toward a greener, more sustainable future.

### **By sourcing installing solar panels, we have:**

- Generated renewable energy to power the factory and offices onsite.
- Reduced carbon footprint by decreasing reliance on grid electricity.
- Supported sustainable operations and reinforced our commitment to environmental responsibility.





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# Carbon Footprint Reduction

Reducing our carbon footprint means cutting the greenhouse gas emissions tied to everything we do—from energy use in our facilities to fuel in our logistics—helping mitigate climate change and build long-term resilience. P McVey Building Systems is committed to achieving Net Zero emissions by 2050 in line with current government targets.

## **BASELINE & SCOPE**

Baseline emissions have been calculated for greenhouse gases that were produced by the company in the calendar year 2023. This is our new baseline year as we have moved into new office In Toome. These calculations will serve as the reference point against which emissions reductions for the company will be measured, helping to focus energy efficiency and overall carbon reductions strategies for the company.

## **EMISSIONS CALCULATIONS METHODOLOGY**

Emissions are calculated using conversion factors from the UK government Department for Business, Energy & Industrial Strategy published June 2022 with exception of Scope 2 where the conversion factor was obtained direct from the company's electricity supplier. Emissions from grid electricity generated on the island of Ireland are not currently equivalent to the UK-wide average. Reporting is based on the company's emissions over which it maintains operation control as detailed in the Technical Standard for Completion of Carbon Reduction Plans published by the Cabinet Office.

Scope 2 emissions for the baseline year were based on estimated supplier readings. Scope 2 emissions for current year are based on actual readings. Ongoing monitoring for 2024 will be based on actual figures as they are received. Productivity has increased in the current year compared to 2023. As such, emissions are higher when compared to the baseline year. The company's Scope 3 emissions have not yet been monitored in entirety. However, figures were accessible for waste tonnages and plasterboard material purchased and these emissions were included in calculations. As part of the company's carbon reduction plan, capturing Scope 3 emissions in more comprehensive detail has been identified as an improvement target.



# Carbon Footprint Reduction

BASELINE YEAR: 2021

| EMISSIONS   | TOTAL (tCO2e) |
|---|---------------|
| <div>Scope 1</div> <div>Forecourt Diesel<br/>Construction Site Diesel<br/>Heating Oil</div>           | 134.6 t       |
| <div>Scope 2</div> <div>Grid Electricity</div>  | 7.0 t         |
| <div>Scope 3</div> <div>Mixed construction &amp; manufacturing waste<br/>Plasterboard materials</div> | 5.5 t         |
| TOTAL EMISSIONS   | 147.1 t       |



# Carbon Footprint Reduction

FOLLOWING YEAR: 2022

| EMISSIONS   | TOTAL (tCO2e) |
|---|---------------|
| <div>Scope 1</div> <div>Forecourt Diesel<br/>Construction Site Diesel<br/>Heating Oil</div>           | 140.3 t       |
| <div>Scope 2</div> <div>Grid Electricity</div>  | 12.5 t        |
| <div>Scope 3</div> <div>Mixed construction &amp; manufacturing waste<br/>Plasterboard materials</div> | 4.2 t         |
| TOTAL EMISSIONS   | 157.0 t       |





# Carbon Footprint Reduction

CURRENT EMISSIONS REPORTING YEAR: 2023

| EMISSIONS   | TOTAL (tCO2e) |
|---|---------------|
| <div>Scope 1</div> <div>Forecourt Diesel<br/>Construction Site Diesel<br/>Heating Oil</div>           | 187.3 t       |
| <div>Scope 2</div> <div>Grid Electricity</div>  | 14.5 t        |
| <div>Scope 3</div> <div>Mixed construction &amp; manufacturing waste<br/>Plasterboard materials</div> | 6.2 t         |
| TOTAL EMISSIONS   | 208.0 t       |

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# Carbon Footprint Reduction

## EMISSIONS REDUCTION TARGETS

In order to start progress the journey towards achieving Net Zero, P McVey has adopted the following carbon reduction targets.

- A 3% annual reduction from baseline over the years 2023 – 2025
- A 4% annual reduction from baseline over the years 2026 – 2030
- After 2030 a minimum of 5% annual reduction from baseline will ensure P McVey Building Systems achieves net zero before 2050. This will be in part supported by the mandatory phasing out of diesel vehicles by 2030 as per government mandates.

A continuous detailed review of Scope 3 emissions within the company's operational control will allow for necessary adjustments to these targets and projections

## CARBON REDUCTION PROJECTS

P McVey Building Systems is ISO 14001 accredited since 2018 and maintains environmental improvement objectives and targets outlined below in line with the requirements of the standard. Such objectives will assist the company in managing its carbon emissions. The 3 main factors we are working on as a company are:

- Increase site waste segregation to reduce waste to landfill and improve recycling rates (Scope 3)
- Investigate options for sustainable management of timber and cardboard waste (Scope 3)
- Reduce road diesel consumption through monitoring and consider purchase of electric or hybrid vehicles (Scope 1)

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# Carbon Footprint Reduction

| EMISSIONS SOURCE   | SCOPE | ACTIONS  | PRIORITY LEVEL |
|--|-------|--|----------------|
| Direct transport/<br>diesel                              | 1     | <ul style="list-style-type: none"><li>• Monitor usage</li><li>• Deliver eco driver training to all operatives and refresh annually</li><li>• Develop a transport plan to ensure optimal efficiency with vehicle routes and loading</li><li>• Ensure regular routine servicing is carried out on vehicles for optimum efficiency and pollution reduction</li><li>• Upgrade vehicle fleet to LEVs, phasing out all diesel vehicles by 2030</li></ul> | High           |
| All scope 3 emissions with company's operational control | 3     | <ul style="list-style-type: none"><li>• Conduct a full assessment of Scope 3 emissions</li><li>• Review carbon reduction plan continuously as Scope 3 data capture improves</li><li>• Identify areas for Scope 3 emissions reductions to achieve Net Zero in line with existing targets</li></ul>  | Medium         |
| Heating Oil  | 1     | <ul style="list-style-type: none"><li>• Control heating oil use through use of engineered solutions such as thermostatic controls and timers</li><li>• Eliminate heating oil use by investigating &amp; installing low carbon heating solutions at new premises</li></ul>  | Medium         |



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# Carbon Footprint Reduction

| EMISSIONS SOURCE         | SCOPE | ACTIONS   | PRIORITY LEVEL |
|--------------------------|-------|---|----------------|
| Grid electricity         | 2     | <ul style="list-style-type: none"><li>• Reduce electricity use through active management &amp; switching off policy</li><li>• Deliver staff training on office and workshop energy efficiency</li><li>• Investigate suppliers who offer greener energy with lower emissions</li><li>• Install energy efficient lighting and electrical systems at new premises</li><li>• Install solar PV on new premises</li></ul> | High           |
| Construction site diesel | 1     | <ul style="list-style-type: none"><li>• Phase out red diesel use on work sites</li><li>• Investigate options for sourcing hybrid or electric plant on sites</li><li>• Consider solar PV on site huts where feasible</li></ul>   | Low            |

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# Waste Management & Recycling

## KEY PROGRAMS & PRACTICES

At P McVey Building Systems, sustainability is built into everything we do. Our comprehensive waste management strategy, implemented across all factories, offices, and project sites, ensures that resources are used responsibly and waste is minimised at every stage.

### Key initiatives include:

- Structured recycling systems with dedicated bins for paper, plastic, metal, and glass, supported by clear signage and employee training to ensure proper segregation and minimise contamination.
- Food waste reduction through a brown bin caddy system in canteens, enabling responsible organic waste disposal and diverting material from landfill.
- Material optimisation by reusing offcuts and selecting recyclable packaging, resulting in a 40% reduction in construction waste sent to landfills.
- Energy-efficient building practices, such as high-performance insulation and advanced glazing, delivering a 25% reduction in post-construction energy use and improving thermal efficiency.
- Smart facility upgrades including automated lighting systems, sensor taps, Quooker boiling water taps, and high-performance hand dryers, reducing electricity, water, and paper waste.

Our modular construction process further supports these efforts by optimising resource use in a controlled factory setting, reducing on-site disruption, and achieving up to a 30% reduction in carbon emissions per project.



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# Water Conservation

## KEY PROGRAMS & PRACTICES

At P McVey Building Systems, responsible water use is a vital part of our environmental stewardship. We apply a combination of smart technologies and behaviour-driven practices to minimise water consumption across our facilities and projects.

### Key initiatives include:

- Efficiency upgrades such as low-flow fixtures and sensor-controlled taps.
- Water-conscious design, incorporating modular building features that reduce demand during both construction and operation.
- Employee engagement through awareness programmes to encourage water-saving behaviours.
- Smart water-saving upgrades across our facilities include sensor taps that dispense only the necessary amount of water, reducing waste at the source.
- Quooker boiling water taps further support conservation by delivering instant hot water with minimal standby consumption.

Together with these technologies, our approach ensures efficient water use without compromising functionality. These innovations have already delivered measurable savings, reducing overall consumption and strengthening our long-term water resilience.





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# Sustainable Sourcing

## KEY PROGRAMS & PRACTICES

P McVey Building Systems sources materials and services with responsibility and integrity at the forefront. Our Sustainable Sourcing Strategy ensures every key input is evaluated not just for cost and quality, but also for its environmental and social footprint.

### Key initiatives include:

- Supplier Standards & Code of Conduct — setting clear expectations on labour rights, human rights, environmental impact, and ethics.
- Traceability & Transparency — tracking the origin of critical materials and working with suppliers to secure recognised certifications, such as ISO environmental standards.
- Preferred Procurement Practices — prioritising local suppliers to reduce transport emissions, selecting low-impact materials with recycled or responsibly harvested content, and avoiding high-risk inputs.
- Due Diligence & Risk Management — conducting supplier screening, risk assessments, audits, and ongoing performance reviews.

A growing share of our procurement spend is with verified sustainable suppliers, and we are committed to increasing this percentage year over year. Our focus includes expanding supplier audits, enhancing transparency, and aligning with recognised sustainability frameworks to ensure our supply chain upholds our values.



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# Green Building / Facilities

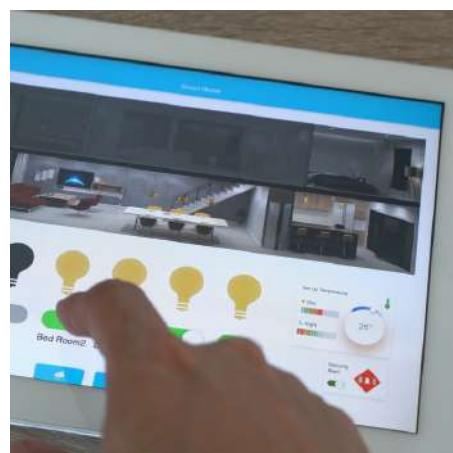
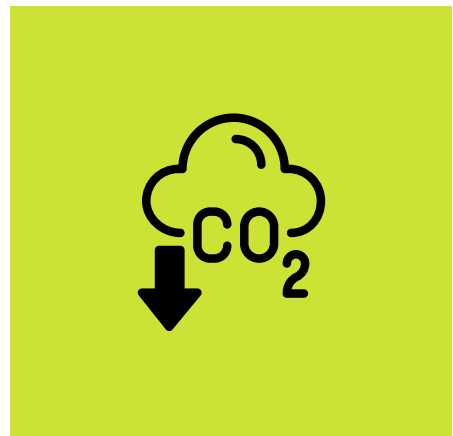
## KEY PROGRAMS & PRACTICES

At P McVey Building Systems, sustainability starts with the places we build and operate. Our green building strategy integrates thoughtful design, advanced systems, and responsible materials to minimise environmental impact while enhancing efficiency and occupant well-being.

From energy-efficient building, passive design elements like natural lighting and ventilation, to smart controls and low-impact construction materials, our facilities are optimised for performance throughout their lifecycle.

Operational efficiency is ensured through HVAC optimisation, automated lighting, and high-efficiency heating and cooling, maximising resource effectiveness.

Our ongoing targets include greening existing facilities and ensuring all new builds meet elevated sustainability standards—reflecting our commitment to building responsibly today and for the future.



# Making a Difference

## Summary report

### Summary

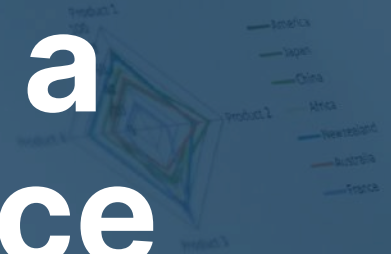


- America
- Japan
- China
- Africa
- New Zealand
- Australia
- France

### America



### Summary





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# Making a Difference

## CREATING LASTING IMPACT

At P McVey Building Systems, sustainability is embedded in every aspect of operations and construction. This approach combines innovative modular design, energy-efficient systems, and responsible material use to minimise environmental impact.



### PLANT A TREE INITIATIVE

P McVey Building Systems' environmental commitment is its tree-planting initiative, where a tree is planted for every modular unit delivered. This program goes beyond operational sustainability by actively supporting global reforestation efforts and helping to offset the carbon emissions generated by the company's activities.



### SUSTAINABLE FLEET MANAGEMENT

P McVey Building Systems is committed to proactively reducing its carbon footprint by transitioning to low-emission and electric vehicles. In alignment with government regulations to phase out diesel vehicles by 2030, the company is actively replacing diesel fleet vehicles with greener alternatives.



### WASTE REDUCTION & MODULAR REUSE

P McVey Building Systems reduces environmental impact by refurbishing and repurposing modular buildings that are no longer in use, extending their lifespan and preventing unnecessary waste. Alongside this, the company has reduced construction waste sent to landfill through structured recycling systems and reuse of materials.

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# Our Commitment

## OUR PATHWAY TO NET-ZERO AND BEYOND

At P McVey Building Systems, sustainability starts with the places we build and operate. Our green building strategy integrates thoughtful design, advanced systems, and responsible material.



### CURRENT COMMITMENTS

Focused on immediate actions that deliver measurable impact. These include reducing carbon emissions across all operations while maintaining 100% renewable energy usage company-wide and committed to fully phasing out diesel vehicles by 2030, in line with government targets, ensuring a cleaner and more sustainable fleet.



### FUTURE MILESTONES

Looking ahead to 2035, targets have been set to reduce emissions by at least 50% compared to current levels. Progress will be driven by expanding the use of electric vehicles across the fleet, further enhancing the energy efficiency of modular designs, and increasing the proportion of reused and refurbished modular buildings in its projects.

### Making a Difference



### NET-ZERO VISION

The ultimate ambition is to achieve net-zero carbon emissions by 2050. This vision underpins every aspect of the company's sustainability strategy. By embedding sustainability into every decision, the company is committed to creating buildings that serve communities today while safeguarding the planet for future generations.

A background image showing a close-up of two hands shaking in a firm grip, symbolizing a business agreement or partnership. The image is overlaid with a semi-transparent dark blue filter. Two thin, vertical green lines are positioned on either side of the central text.

# Partnerships & Compliance

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# Customer & Stakeholder Focus

## BUILDING TRUST THROUGH RESPONSIBILITY

At P McVey Building Systems, we recognise that our success is built on the trust and confidence of our customers and stakeholders. That is why we are committed to maintaining the highest standards of integrity, responsibility, and transparency in every interaction.

We promote our products and services with honesty and accuracy, ensuring that every communication is transparent and reflective of the quality we deliver. Protecting sensitive information is equally important to us, and we have robust data privacy measures in place to safeguard both customer and employee information in line with industry best practices and legal requirements. We also strive to make our products, services, and communications accessible to all, ensuring inclusivity for customers, employees, and stakeholders alike.

By embedding these principles into our culture, we build stronger relationships, foster long-term loyalty, and reinforce the trust that underpins every project we deliver.





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# Supply Chain Ethics

## ETHICS AND INTEGRITY ACROSS OUR SUPPLY CHAIN

At P McVey Building Systems, we believe that responsible business extends beyond our own operations and into our supply chain. We are committed to working with partners who share our values of integrity, fairness, and respect.

We uphold fair labour practices by ensuring that all suppliers meet legal and ethical standards, providing safe working conditions and fair treatment for their employees. Through our supplier code of conduct, we set clear expectations around labour rights, environmental responsibility, and ethical behaviour, ensuring transparency and accountability at every stage of the supply chain.

By fostering strong, responsible partnerships, we not only safeguard the quality of our projects but also contribute to a supply chain that is ethical, sustainable, and aligned with our commitment to building a better future.



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# Governance & Certifications

## COMMITMENT TO EXCELLENCE AND ACCOUNTABILITY

P McVey Building Systems upholds high standards of ethical leadership, transparency, and risk management. The company holds key certifications, including:

ISO 9001 for Quality Management

ISO 14001 for Environmental Management

ISO 45001 for Health and Safety

These certifications reinforce the company's commitment to operational excellence, environmental responsibility, and workforce safety, ensuring every aspect of the business aligns with sustainable and responsible practices.

In addition to these certifications, P McVey Building Systems operates within a range of recognised industry frameworks, further demonstrating its dedication to best practice, continuous improvement, and alignment with national and international standards.





An Roinn Oideachais  
Department of Education




# Get in Touch

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