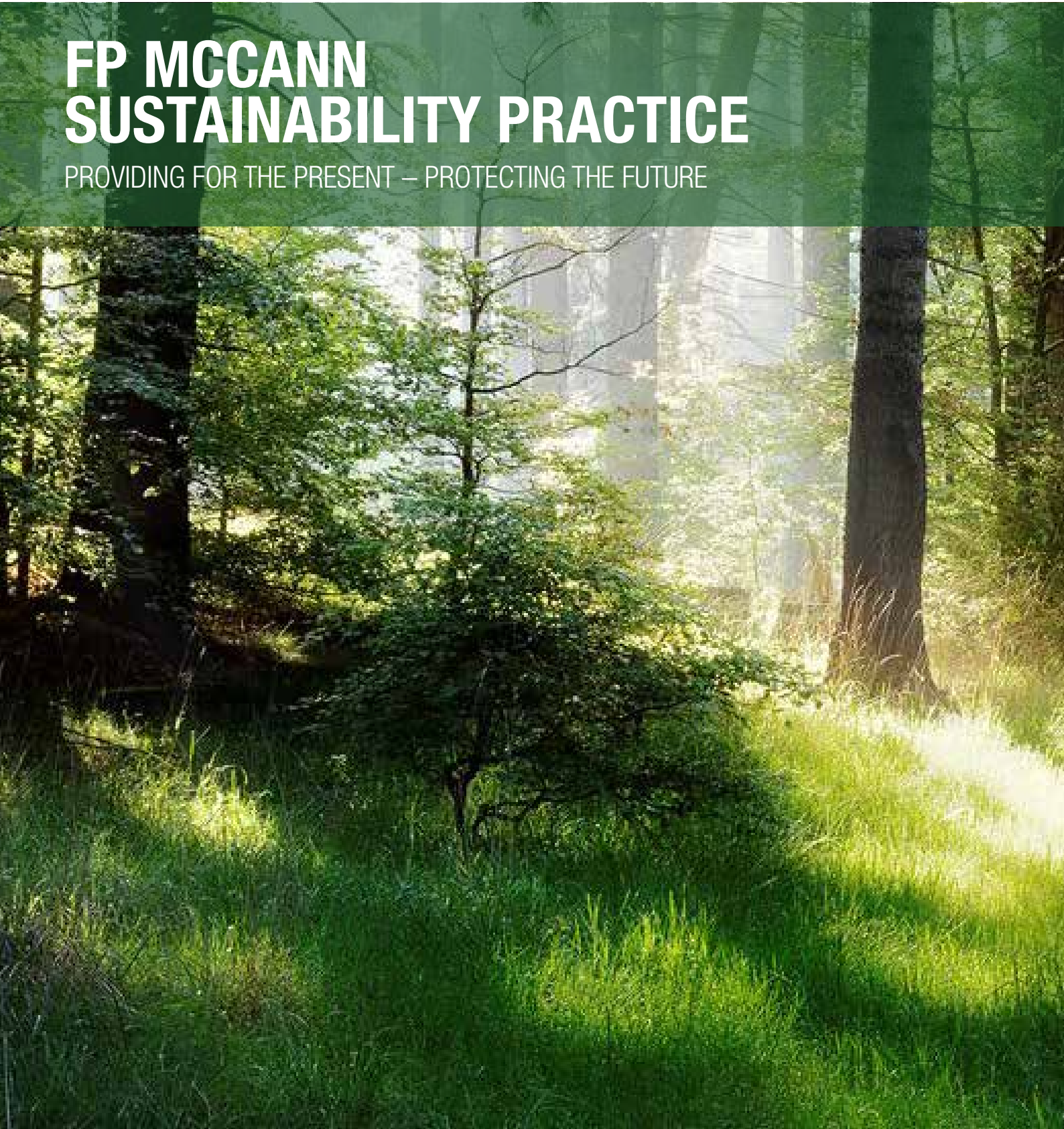




# FP MCCANN SUSTAINABILITY PRACTICE

PROVIDING FOR THE PRESENT – PROTECTING THE FUTURE



# INTRODUCTION



There is a widespread global awareness of the impacts of climate change and the effects of ever increasing levels of CO<sub>2</sub> in our atmosphere. As a global population, it is our collective responsibility to ensure that our CO<sub>2</sub> emissions are significantly reduced. This is not an issue unique to our industry; however, we have the ability to make a significant positive impact by reducing our energy use. This can be achieved through increased monitoring and mindful sourcing of materials and suppliers. Indeed, technologies are also being developed to capture and store CO<sub>2</sub> as part of the manufacturing process, thus removing it from the atmosphere entirely.

Whilst levels of CO<sub>2</sub> in our atmosphere are at an all-time high and need to be reduced, it is also important to understand that CO<sub>2</sub> is an essential part of our atmosphere which stabilises the temperature of our planet and supports all plant life on earth.

## WHAT IS CARBON DIOXIDE?

The negative connotations of Carbon Dioxide (CO<sub>2</sub>) often lead to the misconception of it being harmful. However, a natural amount of CO<sub>2</sub> actually plays a crucial part in maintaining our ecosystem. It only causes damage to the environment when there is an excess of CO<sub>2</sub>, usually generated by man-made activities.

## WHY IS CARBON DIOXIDE HARMFUL?

Although there are high levels of atmospheric CO<sub>2</sub>, it isn't enough to cause detrimental damage to the human body or any other living organisms. So why is it deemed to be bad for us?

Like other greenhouse gases, CO<sub>2</sub> absorbs radiation and prevents heat from escaping from our atmosphere. The high amounts of atmospheric CO<sub>2</sub> collect and store heat in turn, disrupting weather patterns and causing global temperatures to increase, along with other climate changes. There are many gases that trap heat as well, like methane and water vapour, but CO<sub>2</sub> puts us at the greatest risk of irreversible changes if it continues to accumulate unabated in the atmosphere.

## HUMAN CO<sub>2</sub>

Human activities like extracting, refining, transporting and burning fossil fuels emit too much greenhouse gases, including CO<sub>2</sub>, for the ecosystem to remove accordingly. The CO<sub>2</sub> generated by us relies on the same ecosystem to be removed, however, with mass amounts of deforestation happening at the same time, the imbalance is becoming more apparent and is causing damage to our environment.

## NATURAL CO<sub>2</sub>

Life on earth relies on a constant carbon cycle through the air, water and land. Living things like animals and plants release CO<sub>2</sub> when they respire (i.e.) breathing in oxygen and exhaling CO<sub>2</sub> and nature maintains a balance by absorbing and therefore removing the CO<sub>2</sub> via plants and the ocean.

# COMPANY SUSTAINABILITY POLICY



## OUR COMMITMENT RENEWED: UPDATED POLICY STATEMENTS FOR 2026

FP McCann's approach to sustainability, energy management, and environmental responsibility is underpinned by a suite of formal company policy statements, each reviewed and signed annually by our Managing Director, Hugh McCann. In January 2026, all three core policies were reviewed and reaffirmed, reinforcing the commitments that guide our operations across all sites and business disciplines.

Our Energy Policy Statement (CPS009) commits FP McCann to responsible energy management throughout all its premises, plant, and equipment. The policy sets out long-term objectives to reduce water consumption, improve operational efficiency, reduce CO<sub>2</sub> emissions, and reduce our dependence on fossil fuels by using ambient and renewable energy sources. Accountability for delivery rests with our Safety, Health and Environmental Committee, which liaises with Senior Management to ensure that energy targets are set, monitored, and reported annually.

Our Environmental Policy Statement (CPS010) affirms that FP McCann will conduct all its operations — as a construction works contractor, quarry operator, aggregate supplier, and precast concrete producer — in a manner that is least detrimental to the environment. We are committed to the continual reduction of pollution and waste, and to recovery and recycling in preference to disposal wherever feasible. We maintain a formal Environmental Management System (EMS) and apply Best Available Technology (BAT) wherever our work has the potential to affect the environment.

Our Sustainability Policy Statement (CPS020) sets out the principles and practical actions that govern the embedding of sustainability across FP McCann's professional activities. These include integrating sustainability considerations into all business decisions, making clients and suppliers aware of our policy and encouraging them to adopt sound sustainable management practices, and committing to annual reporting and continuous improvement. The policy also sets out our approach to sustainable aggregates procurement, with a preference for recycled or secondary aggregates and a requirement for BES 6001 accreditation wherever practicable.

All three policies were signed by Hugh McCann, Managing Director, on 12 January 2026, and are due for review in January 2027. They are available in full on the FP McCann website and are communicated to all staff across the organisation.

**OUR TARGET IS TO REDUCE  
OUR CARBON EMISSIONS BY 50%  
IN THE NEXT 5 YEARS**

IN LINE WITH NEW GOVERNMENT GUIDANCE, FP MCCANN PLEDGE TO ACHIEVE NET ZERO BY 2050

# OUR CONTRIBUTIONS TO DATE



Planting trees is a great way to help sequester carbon emissions. Through photosynthesis trees absorb carbon dioxide to produce oxygen and wood. To aid our energy management plans we will ensure that the trees planted are native broad leaf species, in doing so, we can help to preserve the UK's environment and biodiversity.

Tree planting and habitat creation are an integral part of responsible mineral restoration. Significant areas at our quarry locations have already been planted to enhance bio-diversity and to provide visual screening. Most importantly, these initiatives also offset the carbon emissions which result from our manufacturing activities and energy use.

FP McCann have a considerable land portfolio, extending far beyond the boundaries of its manufacturing sites. To help reduce carbon emissions we have already planted a significant number of new trees in all depots and quarries. We have also planted many trees on our residential development sites, creating new habitats and providing essential outdoor amenity space. This year alone, we have planted almost 18 acres of native woodland, equating to more than 8,000 individual new broad-leaved trees. In this current planting season we have also created nearly 90 acres of new, sustainably grown commercial forestry. In the future FP McCann plan to embark on further tree planting and replanting programmes on lands & embankments within all our properties.

## TREE PLANTING AND HABITAT CREATION

We have already planted thousands of trees at our operational sites across the UK. Conservatively, we estimate that this initiative equates to more than 50 acres of mature and semi-mature woodland.

Additional tree planting schemes are currently underway and significant opportunities for further planting schemes are being actively investigated at present.

## BIOMASS HEATING PROJECTS

Biomass heating facilities have been installed at our Knockloughrim, Lisnaskea, Weston Underwood, Lydney and Uddingston sites.

The heat produced from these installations is fed directly into our manufacturing processes. It contributes to the product curing process and significantly reduces our demand for electricity and fossil fuel heat sources thus greatly reducing our energy use.

## NEW LED LIGHTING

LED lights use 90% less energy than a typical incandescent bulb, which will greatly decrease your primary footprint, as less fossil fuel needs to be burned in order to produce it.

Across all our depots, FP McCann have installed energy efficient LED lighting which is coupled to motion sensors and other automated controls. LED light bulbs have a life-expectancy 20 times longer than a traditional incandescent bulb, they will also help you reduce our energy use as they only have to be replaced once every 50,000 hours, or 17.12 years in simpler terms. Over the course of a year it is projected that FP McCann will save 71,776kWh of energy with a total cost saving of approximately £11,276. The simple payback of transitioning to motion sensor LED lighting will take approximately 1 year.

## SOLAR PANELS

Installing solar panels to lower our carbon footprint. Solar energy is a natural, renewable source because it can be replenished unlike fossil fuels which are finite. Solar energy produces little or no emissions when it's converted to electricity.

We have now began to install solar panels around various locations and sites in our company to use alongside our current energy supply. As we use more electricity throughout the day solar panels are a very effective solution to reducing our carbon footprint and energy use.

- Solar panel installation at Kilrea Facility
- Solar panels used at various construction site locations
- Mini solar panels installed to power remote storage buildings / containers
- Test systems have already been installed at some of our largest manufacturing facilities.
- These test systems will allow us to optimise the design of solar arrays, ensuring that maximise the potential benefits of this green energy resource.
- FP McCann are committed to installing a minimum of 500kWp of solar generation capacity by the end of 2022.
- Solar panel installation at Cadeby factory.
- More installations at other factories are currently underway.



# OUR CONTRIBUTIONS TO DATE



## REDUCING THE IMPACT ON THE ENVIRONMENT DURING PRECAST PRODUCTION

Across all our business disciplines we have implemented improvements to reduce embodied carbon in precast concrete. The use of a nominal 30% cement replacement using Pulverised Fuel Ash is adopted; a by-product from coal-fuelled power stations. Where this is not practicable, a 20% replacement of limestone fines is used as a cement replacement.

FP McCann are active members of the British Precast trade association; where objectives and key performance indicators are regularly set for carbon footprint and sustainability. The manufacturing process and energy sourcing for precast concrete products is becoming more efficient with a number key ingredients:

- 40% reduction in water use
- 26% drop in usage of fossil fuels
- 95% reduction in waste to landfill since 2008;

Carbon emissions have been significantly reduced by 30% since 2012 (See section on 'Existing Achievements by our Industry' for further information on low carbon production).

During its lifetime precast concrete will effectively re-absorb much of the carbon dioxide that was used to create it; a process called carbonation that accelerates when products are crushed for recycling at end of life.

## RECYCLED MATERIALS IN PRODUCTION

Many of our precast products use recycled materials such as plastics and recycled aggregates. Our energy management plans include actively investigating the use of other recycled materials in our production processes.

We operate a number of recycling facilities which process construction and demolition waste to produce a recycled aggregate product. These facilities also process waste concrete material from our precast production processes, ensuring that virtually all of the concrete we manufacture is used either within our precast products or as a recycled aggregate material. Where possible, we recycle surface water runoff for use in production processes, cleaning and for dust suppression within our depots. Plans have recently been submitted for a significant rainwater harvesting system at our largest precast depot, Ellistown.

Non-concrete waste materials such as steel, wood and plastics are sorted, separated and sent to licenced recycling centres.

## PROCESS IMPROVEMENTS

Over the past 3 years, our Company has embraced the concept of LEAN manufacturing and has incorporated hundreds of process improvements as a result. The principles of LEAN manufacturing focus on a number of key aspects which include:-

- Increased process efficiency
- Increased productivity
- Reduced waste
- Continuous improvement

These continual LEAN improvements are now an integral part of our production processes and they are completely aligned with our targets to reduce carbon emissions and production waste over the next 5 years and beyond.

## INVESTMENT IN SMARTER, MORE EFFICIENT TECHNOLOGY

All compatible precast machines have been fitted with Programmable Logic Controllers (PLC). These controllers have a variety of benefits and they improve process efficiency in our precast manufacturing. Most importantly, these smart controllers replace electromechanical relays. This aspect alone results in a significant reduction in our electrical energy demands.

Takt time monitors have been installed to provide constant monitoring of our precast machines. This provides a measurement of Overall Equipment Effectiveness (OEE) and identifies areas where energy efficiency may be improved.

Aging control systems have been upgraded and replaced to reduce energy demands. New material storage and handling systems have been installed which significantly reduced fossil fuel usage in the production process. FP McCann has also invested in new, more efficient, mixing technology and control systems. We have invested heavily in new/improved insulation, thus ensuring that the energy required to cure our products is significantly reduced.

Inverter drive motors have been installed throughout the precast division. These motors allow variable drive speeds, reducing electrical energy consumption and extending the life of equipment.

Acoustic sensors have been installed to detect machine faults/inefficiencies. Shut-off sensors have also been fitted to a number of precast machines. These sensors automatically shut down production machinery when not in use. These sensors ensure that our demand for electrical energy is closely monitored and controlled.

**ALL PRODUCTS WE MANUFACTURE ARE 100% RECYCLABLE**

# OUR CONTRIBUTIONS TO DATE



## TREMENDOUS ACHIEVEMENT FOR FP MCCANN ON THE ROAD TO NET ZERO

FP McCann has undertaken the planting of almost 30,000 native trees across six locations in Northern Ireland as part of the company's ongoing sustainability strategy and pledge to meet net zero by 2050.

The total includes over 13,600 Sitka Spruce trees, as well as Norway Spruce, Whitethorn, Alder, Rowan, Crab Apple, and varieties of Pine, Birch, and Oak.

Almost 50 acres new woodlands have been planted since 2022. These new woodlands will also be the subject of a 5 year monitoring and maintenance program to ensure successful establishment.



## ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

The Company has embarked on an important journey to integrate Artificial Intelligence (AI) and Machine Learning (ML) into its existing manufacturing operations. This process will promote the expansion of smarter factories and digital twins, increasing automation within both production activities and information management. Whilst many residual benefits are expected from these rapidly developing technologies, improvements in resource/material efficiency and the reduction of waste are both key elements of this project.

The deployment of this technology will further improve the sustainability of our Company by building upon the existing LEAN manufacturing processes and smart process control measures which are already occur within our production facilities. FP McCann has already committed significant investment and in-house resources to develop bespoke technological solutions and this process will now be accelerated through the use of AI to further reduce waste streams and other operational inefficiencies.



# OUR CONTRIBUTIONS TO DATE



## FP MCCANN DRIVING CARBON REDUCTION WITH ELECTRIC & GAS POWERED VEHICLES

As part of FP McCann's ongoing sustainability strategy to achieve net zero, we continue to take steps to replace our fleet of diesel fuel vehicles with more environmentally friendly, low-polluting alternatives.

We have recently purchased several new forklift trucks to add to the existing fleet of low emission vehicles. Electric forklift trucks for our Byley depot in Cheshire and for our Knockloughrim facility in Magherafelt, as well as gas forklift trucks for our Weston Underwood manufacturing facility in Derbyshire and for our Cadeby site in Warwickshire.

As well as significantly reduced running costs, LPG produces up to 45% less CO2 than diesel. The electric truck omits zero emissions and noise pollution is significantly lower in comparison to diesel engines. Electric trucks also have fewer moving parts that can break or get damaged, reducing downtime and maintenance costs.



We have recently purchased two new electric sideloaders to add to the existing fleet of low emission vehicles at our Weston Underwood facility. The electric sideloaders omit zero emissions and noise pollution is significantly lower in comparison to diesel engines.



# OUR CONTRIBUTIONS TO DATE



## FP MCCANN TRIALS START ON PRECAST EARTH FRIENDLY CONCRETE PIPES AND MANHOLES

FP McCann has manufactured the UK's first cement-free precast manhole rings and pipes at the company's Knockloughrim precast factory using Earth Friendly Concrete (EFC) from Wagners. Instead of Portland cement, FP McCann worked with international partners to introduce a geopolymer low-carbon binder that is formed from the chemical activation of Fly Ash and Ground Granulated Blast-furnace Slag.

It is claimed that replacing the Portland cement with this geopolymer binder, made using the materials from recycling streams, can reduce the overall environmental impact and the CO<sub>2</sub> emissions of the concrete by up to 80%.

In addition to its low carbon credentials, high performance concrete made with this novel material is achieving similar strengths to traditional concrete while, due to the chemistry of the geopolymer binder, providing improved durability in many aggressive environments.

After extensive research and use in the UK's ready-mix industry, the next step will be an introduction of the geopolymer concrete in the precast sector. Here, the low carbon alternatives can combine with modern manufacturing methods to provide a truly innovative solution for the construction sector.

This work is carried out in conjunction with FP McCann's wider low carbon initiative, working closely with suppliers and customers to provide economical, high-quality, and sustainable products.



# OUR CONTRIBUTIONS TO DATE



## CADEBY SOLAR ARRAY SURPASSES 1GWH GENERATION MILESTONE

### Powering Sustainable Manufacturing: A 1GWh Milestone

FP McCann is proud to announce a landmark achievement in our renewable energy journey: the large-scale solar array at our Cadeby manufacturing facility has officially generated more than 1 gigawatt-hour (1GWh) of clean electricity. This milestone, reached in August 2025, is a powerful demonstration of what is possible when industrial manufacturing commits to integrating renewable energy at scale.

The Cadeby facility is one of FP McCann's flagship production sites, manufacturing a wide range of concrete products, including roof tiles, fencing, tunnels, and shafts. It is also home to our state-of-the-art, solar-powered roof tile factory. This facility exemplifies the company's ambition to make sustainable manufacturing the norm rather than the exception.

### The Numbers Behind the Milestone

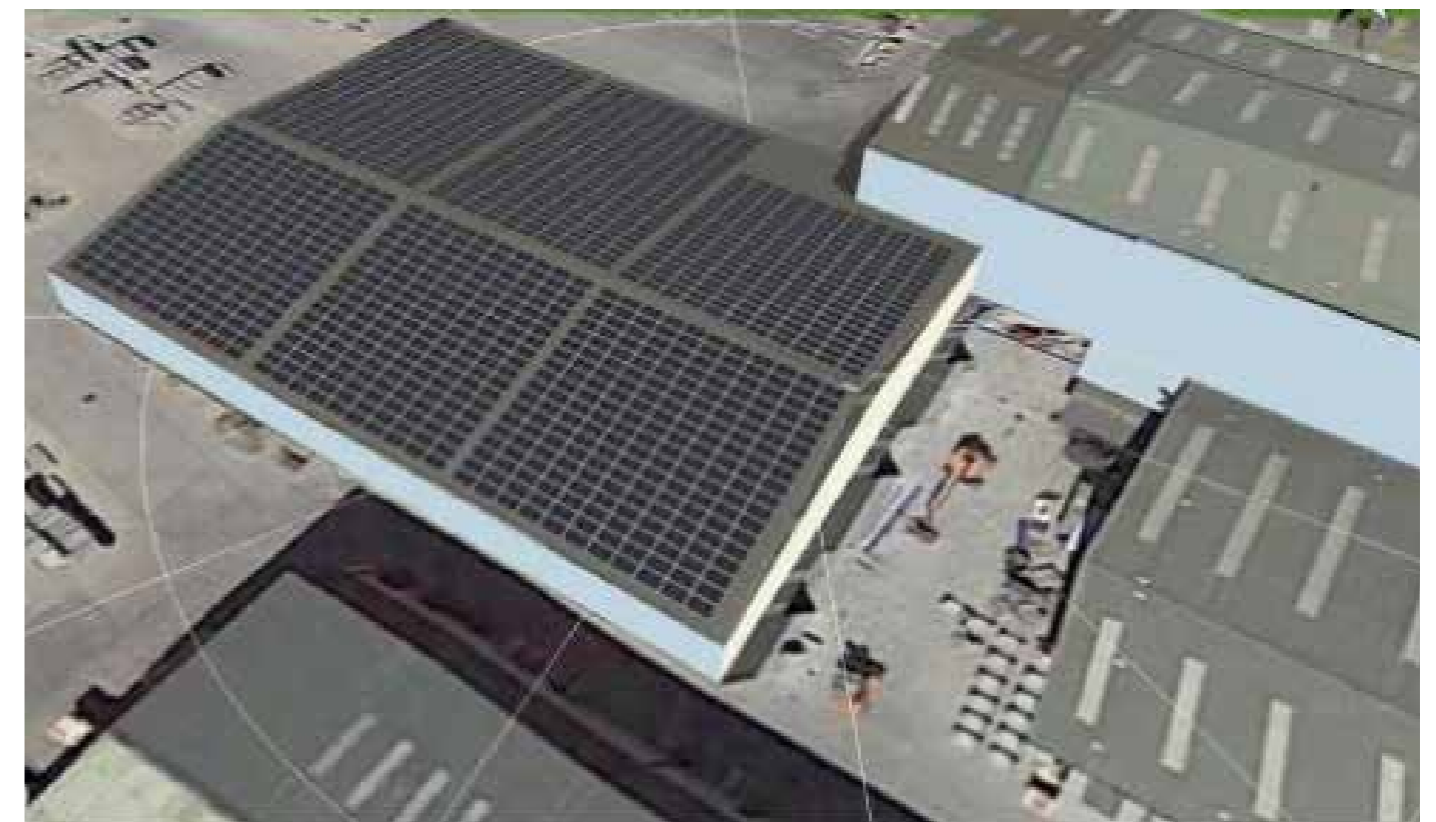
The Cadeby solar array comprises 1,041 individual solar panels covering 2,263 square metres of roof space, with a generating capacity of 468.45 kWp. The system produces an estimated 418,229 kWh of electricity per year, delivering an annual carbon saving of 97.51 tonnes of CO<sub>2</sub>. Over the 25-year lifetime of the installation, this equates to a projected saving of 2,438 tonnes of CO<sub>2</sub> — a contribution that will compound year on year as the facility continues to operate.

More than 80% of the electricity generated by the array is consumed directly on-site, reducing the facility's reliance on the national grid and providing a stable, cost-effective power supply for energy-intensive manufacturing processes. The remaining clean electricity is exported back to the grid, contributing to a greener energy supply for the wider community.

### A Company-Wide Commitment

The Cadeby milestone is part of a broader picture of renewable energy investment across FP McCann's operations. Across all of our solar-equipped manufacturing facilities, we have now generated more than 2GWh of clean electricity. This figure reflects the cumulative impact of strategic investment in solar infrastructure across multiple sites. Our total installed solar generation capacity now stands at approximately 2.5 MWp, with further systems on order that will add an additional 800 kWp before the end of 2025.

This achievement is more than a number. It represents our unwavering commitment to innovative, sustainable manufacturing — and our belief that the construction materials industry has both the responsibility and the capability to lead the transition to a low-carbon economy.



# OUR CONTRIBUTIONS TO DATE



## FP MCCANN INSTALLS EV CHARGERS ACROSS SITES IN THE UK & IRELAND

FP McCann has recently installed 16 22kw EV chargers throughout its sites in the UK and Ireland as part of the company's continued drive to lower carbon emissions. Chargers are available for staff and also for visitors to site.

The company has also embarked on the installation of solar panels at a number of sites, including the new Concrete Roof Tile manufacturing facility in Cadeby, Leicestershire; much of the electricity used by the electric chargers will be generated from these solar panels or other renewable energy sources.

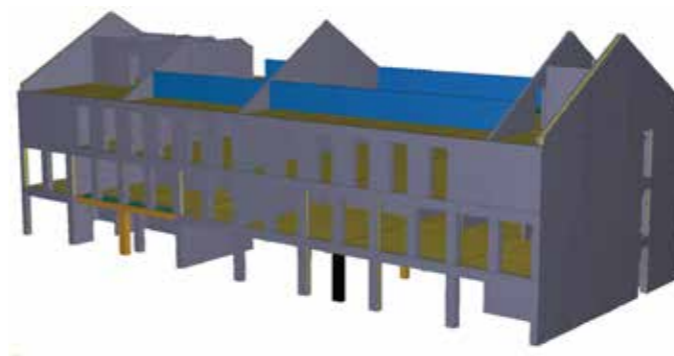


# OUR CONTRIBUTIONS TO DATE



## FP MCCANN'S ONGOING WORKS IN PROGRESS

- A recent solar panel install at our Byley Factory (802kW) brings our company wide output up to just under 2MW of renewable generation at present. Future planned installs at Weston Underwood and Cadeby factories will add a further 800kW when commissioned.
- Investment in the Bruce Thickening Plant at Knockloughrim to enhance material efficiencies and reduce waste.
- Installation of variable speed drives to improve energy efficiencies in the manufacture of bagged products.
- Granular level energy monitoring of production equipment. This is currently being trialled at Uddingston, in partnership with CENSIS.
- From 1<sup>st</sup> October, we will be starting a new electricity contract and more than 90% of our electricity in our England locations will be supplied from renewable sources including wind, solar and biomass.
- As part of the new factory development at Littleport we will be planting almost 10,000 new plants over the next 6 months.
- Development of AAC/lightweight/thermally efficient concrete products



# OUR CONTRIBUTIONS TO DATE



## FP MCCANN'S ONGOING WORKS IN PROGRESS

FP McCann has recently completed a new solar installation at our site in Weston Underwood, bringing our total generation capacity to just under 2.5MWp. Further systems are on order and an additional 800kWp of generation is due to be added before the end of 2025.

## FP MCCANN JOINS THE ALL-IRELAND POLLINATOR PLAN

This all-Ireland framework brings together a wide range of business supporters and local community groups to raise awareness on biodiversity action and to set evidence based actions, ensuring that pollinators will survive and thrive on our landscape.



## FP MCCANN SIGNS UP TO INDUSTRIAL DECARBONISATION NORTHERN IRELAND

The scheme is supported by the Industrial Energy Transformation Fund, Invest NI and the Minerals Product Association. The IDNI project involves wide variety of energy users and seeks to promote efficiency and carbon reduction, in an effort to achieve Net Zero. The scheme promotes and enables clustering and shared learning, providing benefits for all industrial energy users, large and small.

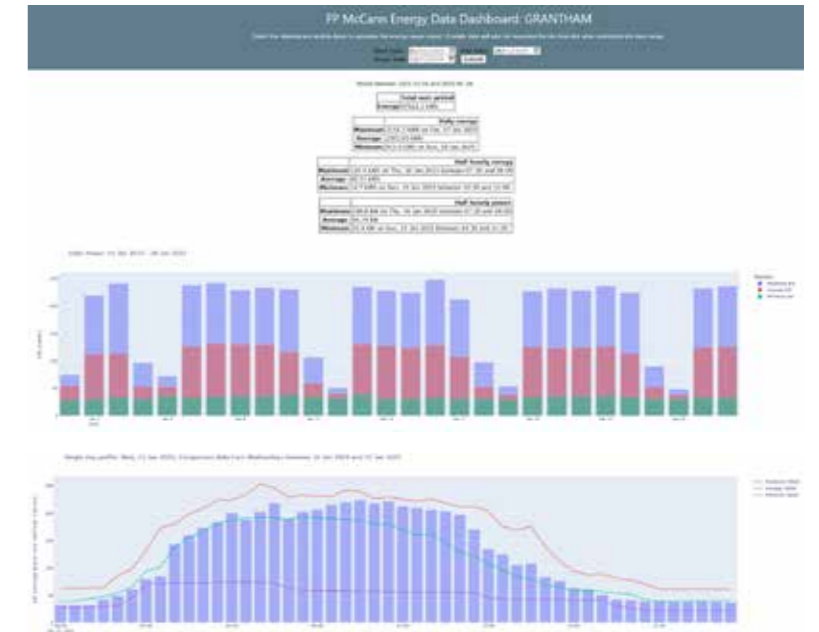


# OUR CONTRIBUTIONS TO DATE



## FP MCCANN'S ROAD TO NET ZERO

FP McCann's R&D Department has created a bespoke energy monitoring platform. This platform measures electricity consumption at all Company locations and it uses defined data points to review historical usage and to identify trends. The platform uses bespoke software which is integrated with existing FPM systems, allowing for real-time data collection and analysis. The system will include Key Performance Indicators (KPIs), these will enable accurate reporting and will allow us to track progress on our roadmap to Net Zero.



## FP MCCANN'S MORTAR PRODUCTION IMPROVEMENTS

Through a sizeable capital investment, this project will see the replacement of an aging dryer facility with a state-of-the-art fluidised bed dryer with a combined cooling facility. This project is predicted to reduce process fuel consumption by approximately 50%, providing an overall energy saving of more than 4MWh per annum (equivalent to approximately 1,500T CO<sub>2</sub>e per annum).

## FP MCCANN'S NEW PLANT & PROCESSING SYSTEM

Through a sizeable investment, our Craigall facility has been upgraded with a new asphalt plant with efficient processing system.



# OUR CONTRIBUTIONS TO DATE



## REVOLUTIONISING ROOFING — GRAPHENE-ENHANCED CONCRETE TILES

### REVOLUTIONISING ROOFING: HOW GRAPHENE IS PAVING THE WAY FOR LOW-CARBON HOUSING

The UK is facing a critical housing shortage, with the government pledging to build 1.5 million new homes to meet growing demand. Yet this ambition carries with it an equally pressing responsibility: to ensure that the homes we build today do not compromise the planet we leave for tomorrow. FP McCann is meeting this challenge head-on through a groundbreaking research and development project set to transform the concrete roofing industry.

In collaboration with First Graphene Ltd. and the National Composites Centre (NCC), and funded through the government's Contracts for Innovation programme — administered by the Department for Energy Security and Net Zero (DESNZ) and Defra — FP McCann is developing scalable production of graphene-enhanced concrete roof tiles for low-carbon housing. This project represents one of the most significant material innovations in our product portfolio to date.

### The Innovation: Graphene-Enhanced Cement

At the heart of this project is graphene-enhanced cement (GEC), a novel binder based on CEM II/A-L that incorporates graphene nanoplatelets developed by First Graphene Ltd. Graphene — a single-atom-thick layer of carbon — is one of the strongest and most conductive materials known to science. When incorporated into a concrete mix, it significantly improves cement performance, enabling a meaningful reduction in clinker content without loss of strength or durability. Concrete mixes made with GEC achieve strength levels comparable to those based on traditional CEM I, while delivering a carbon footprint reduction of between 15% and 20%.

Critically, the use of GEC requires no changes to existing production methods or schedules. This means the transition to a more sustainable tile can be achieved without disruption to manufacturing output — a vital consideration given that our Cadeby facility's three fully automated production lines produce in excess of 120,000 tiles per day. Full-scale production trials of GEC are currently underway at Breedon's Hope Works, with a rigorous validation process encompassing laboratory optimisation, factory upscaling, in-house quality control, and independent third-party testing.



### A Commitment to Verified Sustainability

FP McCann is committed to ensuring that the environmental claims associated with this innovation are fully substantiated. A comprehensive Life Cycle Assessment (LCA) will be conducted to obtain an Environmental Product Declaration (EPD) for the graphene-enhanced roof tile. This will provide clients, specifiers, and housebuilders with independently verified data on the product's carbon performance, supporting informed decision-making in low-carbon construction projects.

This project builds upon FP McCann's existing track record of innovation at Cadeby. In 2024, the facility became the first in the industry to deploy an AI-driven, vision-based quality control system that uses deep learning to detect surface anomalies in real time and automatically remove defective tiles from the production line for recycling — ensuring that quality and sustainability go hand in hand. The development of graphene-enhanced concrete roof tiles is a testament to FP McCann's belief that the construction industry can and must play a central role in the UK's journey to net zero. By embedding low-carbon solutions into the very fabric of the nation's new housing stock, we are not simply building homes — we are building a greener future.

# OUR CONTRIBUTIONS TO DATE



## NEW INITIATIVES — QUEEN'S UNIVERSITY BELFAST PARTNERSHIP, SMALL WOODLAND SCHEME & LITTLEPORT SOLAR

### NEW INITIATIVES: RESEARCH, NATURE, AND RENEWABLE ENERGY

FP McCann's sustainability strategy is built on 3 interlocking pillars: reducing emissions at source, investing in renewable energy, and supporting nature-based solutions that sequester carbon and enhance biodiversity. Three new initiatives announced in 2025 reflect each pillar in turn.

#### Queen's University Belfast — R&D Partnership

FP McCann has strengthened its long-standing collaboration with Queen's University Belfast, one of the UK and Ireland's leading research institutions, to advance the development of low-carbon concrete solutions. This partnership supports ongoing research and development across FP McCann's product portfolio, with a particular focus on alternative binders, supplementary cementitious materials, and innovative mix designs that reduce the embedded carbon of our precast products. The collaboration is central to FP McCann's long-term innovation strategy. It complements the company's participation in government-funded research programmes, including the Industrial Energy Transformation Fund, the Industrial Energy Efficiency Accelerator, and the Artificial Intelligence for Decarbonisation Innovation Programme.



#### Small Woodland Scheme

In 2025, FP McCann continued its participation in the Small Woodland Scheme. This accredited programme supports the creation of new native woodland to enhance long-term carbon sequestration and biodiversity. This initiative complements our existing tree-planting programmes, through which we have planted almost 30,000 native trees across six locations in Northern Ireland since 2022, covering approximately 50 acres of new woodland. The Small Woodland Scheme provides an additional, independently verified mechanism for offsetting residual emissions that cannot yet be eliminated through operational improvements alone, and it sits alongside our participation in the All-Ireland Pollinator Plan as part of a broader commitment to nature-based solutions.

#### Solar PV Installation at Littleport

Our newest manufacturing facility at Littleport, Cambridgeshire, has now completed the energisation of its solar photovoltaic array. This 200kW installation represents the latest addition to FP McCann's growing portfolio of on-site renewable energy generation. With this system now live, our total installed solar capacity across the company has reached 2.6MW, a significant milestone in our ongoing programme of renewable energy investment. The Littleport array supplements the facility's existing energy supply. It increases the proportion of renewable electricity used in its operations, in line with our company-wide target of sourcing more than 90% of electricity at our England locations from renewable sources. As part of the wider development of the Littleport site, we have also committed to planting almost 10,000 new plants across the facility over the coming months, creating new green infrastructure and contributing to local biodiversity.



# OUR FUTURE PLANS

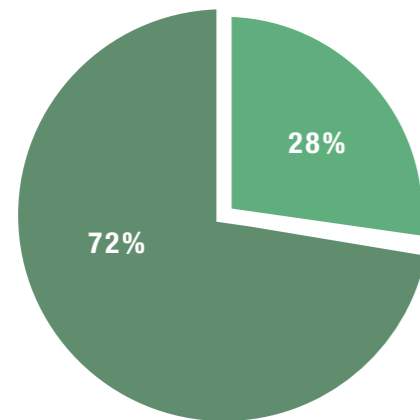


## TRANSPORT OWNED

With the potential area of change in transport carbon emissions FP McCann have put in place a plan that all new vehicles now must obtain the following;

- All vehicles must have Euro 6 engines
- HGV driver training to reduce fuel consumption
- Low engine emissions
- New lorries must now be fitted with a GPS system and have trackers to help eliminate unnecessary millage on deliveries
- New vehicles have a potential 30% reduction in fuel saving from the vehicles that they will be replacing
- Precast operations using electric trucks were possible as opposed to diesel. 6no. New electric forklifts have been purchased in the past year, replacing existing diesel machines.
- New pavers fitted with electric heated screeds as opposed to gas burners

## EURO 6 VEHICLE ENGINES



■ Vehicles with Euro 6 Engines ■ Vehicles without Euro 6 Engines

## SMART SYSTEMS / CONTROLS

FP McCann views the use of smart technology as playing a pivotal part in our energy management efforts to measure resource usage.

The company's strategy is to continue searching for new technology and where applicable, make the investment to ensure our company is doing all we can to reduce carbon output and minimise our environmental impact.

## ELLISTOWN POWER SWITCH TO GREEN SOURCES

Total Gas & Power, FP McCann's Ellistown energy supplier, says that its Pure Green energy tariff guarantees electricity only from solar, wind or hydro sources. The generation mix of Total's Pure Green power is typically 75% wind, 24.7% solar and 0.3% hydro/wave power.

FP McCann's largest precast depot in Ellistown uses electricity which is generated by 100% renewable sources. Notably, our Ellistown depot has the greatest energy usage within our Company. Similarly, our Lydney depot, which is supplied by Haven Power Ltd, uses electricity which is also supplied from 100% renewable sources.

At present, a high percentage of our total electricity usage is provided by renewable sources. With the electricity matched to Renewable Energy Guarantee of Origin (REGO) certificates, this enables our Ellistown and Lydney depots to report zero emissions for electricity under the Greenhouse Gas Protocol Corporate Standards, Scope 2.

## ADDITIONAL IMPROVEMENTS

- Reuse of recycled materials in our products
- Recycling waste timber
- Return loads – loaded v empty miles
- Power Factor Correction
- Improved insulation in curing chambers & bitumen storage tanks

## FUTURE INNOVATIONS

Work is continually being undertaken by the research and development team at FP McCann in order to identify innovative new materials and methods that can further improve the effect precast concrete has on the ecology.

FP McCann are currently engaging with a UK leading university and a third party company on the development of an innovative technology that will facilitate the adding of carbon dioxide (CO<sub>2</sub>) into the concrete during mixing.) This causes the CO<sub>2</sub> to react with the calcium ions from the cement content to form a nano-sized mineral called Calcium Carbonate, which becomes embedded in the concrete. Injected CO<sub>2</sub> improves the compressive strength of precast concrete, which allows us to further optimise mix designs and dramatically reduces the carbon footprint of the precast products being produced.

# WHAT MAKES OUR PRODUCTS SUSTAINABLE

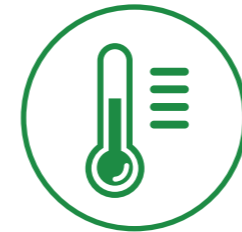


Concrete is a friend of the environment in all stages of its life span, from raw material production to demolition, making it a natural choice for sustainable home construction. Here are some of the reasons why, according to the Portland Cement Association and the Environmental Council of Concrete Organisations:



## RESOURCE EFFICIENCY

The predominant raw material for the cement in concrete is limestone, the most abundant mineral on earth. Concrete can also be made with fly ash, slag cement, and silica fume, all waste by-products from power plants, steel mills, and other manufacturing facilities.



## THERMAL MASS

Homes built with concrete walls, foundations, and floors are highly energy efficient because they take advantage of concrete's inherent thermal mass or ability to absorb and retain heat. This means homeowners can significantly cut their heating and cooling bills and install smaller-capacity HVAC equipment.



## DURABILITY

Concrete builds durable, long-lasting structures that will not rust, rot, or burn. Life spans for concrete building products can be double or triple those of other common building materials.



## REFLECTIVITY

Concrete minimises the effects that produce urban heat islands. Light-coloured concrete pavements and roofs absorb less heat and reflect more solar radiation than dark-coloured materials, such as asphalt, reducing air conditioning demands in the summer.



## MINIMAL WASTE

Concrete can be produced in the quantities needed for each project, reducing waste. After a concrete structure has served its original purpose, the concrete can be crushed and recycled into aggregate for use in new concrete pavements or as backfill or road base.



## STORMWATER RETENTION

Pervious concrete is a special type of structural concrete with a sponge-like network of voids that water passes through readily. When used for driveways, footpaths, carparks, and other pavements, pervious concrete can help to retain storm water runoff and replenish local water supplies.

# EXISTING ACHIEVEMENTS BY OUR INDUSTRY



## LOW CARBON PRODUCTION

The precast concrete sector, and the UK concrete industry, has targets to reduce the carbon emissions of production, or embedded carbon, from its products. The manufacturing carbon emissions of the UK precast concrete sector has dropped by 30% since 2012 and 43% since 2008. Factory carbon emissions equate to 10kgCO<sub>2</sub>/t. The rapid reductions over the last decade have been achieved from efficiency improvements and the use of low carbon energy switching from fossil fuels.

## LOW CARBON CONCRETE

Ground granulated blast-furnace slag (GGBS), fly ash and powdered limestone can reduce the carbon footprint of concrete. In the precast concrete sector, over 20% of cement has been replaced with alternative cementitious materials. The precast sector has also published a number of generic Environmental Product Declarations (EPD) and 70% of British Precast members have their products covered by valid third party certified EPDs. These EPDs support the use of Building Information Modelling (BIM) and manufacturers can also provide further information to support BIM.

## POTENTIAL AREAS OF CHANGE

INDIRECT EMISSIONS FROM DECARBONISED ELECTRICITY	TRANSPORT	THERMAL MASS	LOW CARBON CEMENTS AND CONCRETES	CARBON CAPTURE, USAGE AND STORAGE (CCUS)	CARBONATION	FUEL SWITCHING
<b>-4%</b> CO <sub>2</sub> reduction	<b>-7%</b> CO <sub>2</sub> reduction	<b>-44%</b> CO <sub>2</sub> reduction	<b>-12%</b> CO <sub>2</sub> reduction	<b>-61%</b> CO <sub>2</sub> reduction	<b>-12%</b> CO <sub>2</sub> reduction	<b>-16%</b> CO <sub>2</sub> reduction
Decarbonising the electricity grid encourages the electrification of the industry. Decarbonising technologies that require electricity include plasma energy and CCUS. Using technologies such as these could increase electricity use by 80% to 130%.  Advanced manufacturing techniques, such as artificial intelligence (AI) and automation, will deliver efficiencies in the operation of concrete and cement plants.	Decarbonising delivery transport is realised through a move away from petrol and diesel. Investment in new fleet and reducing road transport miles reduces carbon emissions.  Through investment in infrastructure, the industry has increased its use of rail freight, supporting a modal shift from road to rail and a reduction in transport emissions.	Thermal mass is a property of heavyweight materials like concrete and masonry where heat can be absorbed, stored and released, reducing the energy needed to heat and cool buildings. The use of lifecycle assessment and post-occupancy evaluations demonstrate the carbon and energy savings from smart thermal mass contributing to the demand side response to climate change.  The cumulative deployment of concrete's thermal mass produces a building stock which has an estimated 14% saving of 2050 UK electricity consumption from avoided heating and cooling. This equates to 44% of 2018 concrete and cement emissions levels.	Innovations in concrete mix design, to utilise lower emission constituents, are enabled by revisions to product and building standards. These low carbon products are adopted and used increasingly in our built environment.  Research and development in clinker content, alternative binders and cement formulations reduce carbon emissions.	UK investment in infrastructure and successful industry research enables the use of CCUS technologies. This transformative technology represents the most significant and technically disruptive investment in the roadmap.  The CO <sub>2</sub> reduction of 61% will enable the industry to achieve net zero manufacture by 2050. The use of CCUS and biomass have the potential to make a greater contribution to the roadmap and achieve net negative emissions.	Carbonation, the process where concrete absorbs CO <sub>2</sub> from the atmosphere throughout its lifetime, is recognised in UK accounting of greenhouse gases.  When the global average carbonation rate of 23% is applied to the UK this means that it can contribute to a further 12% CO <sub>2</sub> reduction. By 2050, techniques to optimise and accelerate carbonation could be used to increase its contribution.	The availability of biomass wastes is sufficient to generate over 70% of the heat used for cement production.  UK investment in hydrogen production, delivery networks and successful industry research enables the use of hydrogen, plasma or other new heating technologies.

# EXISTING ACHIEVEMENTS BY OUR INDUSTRY

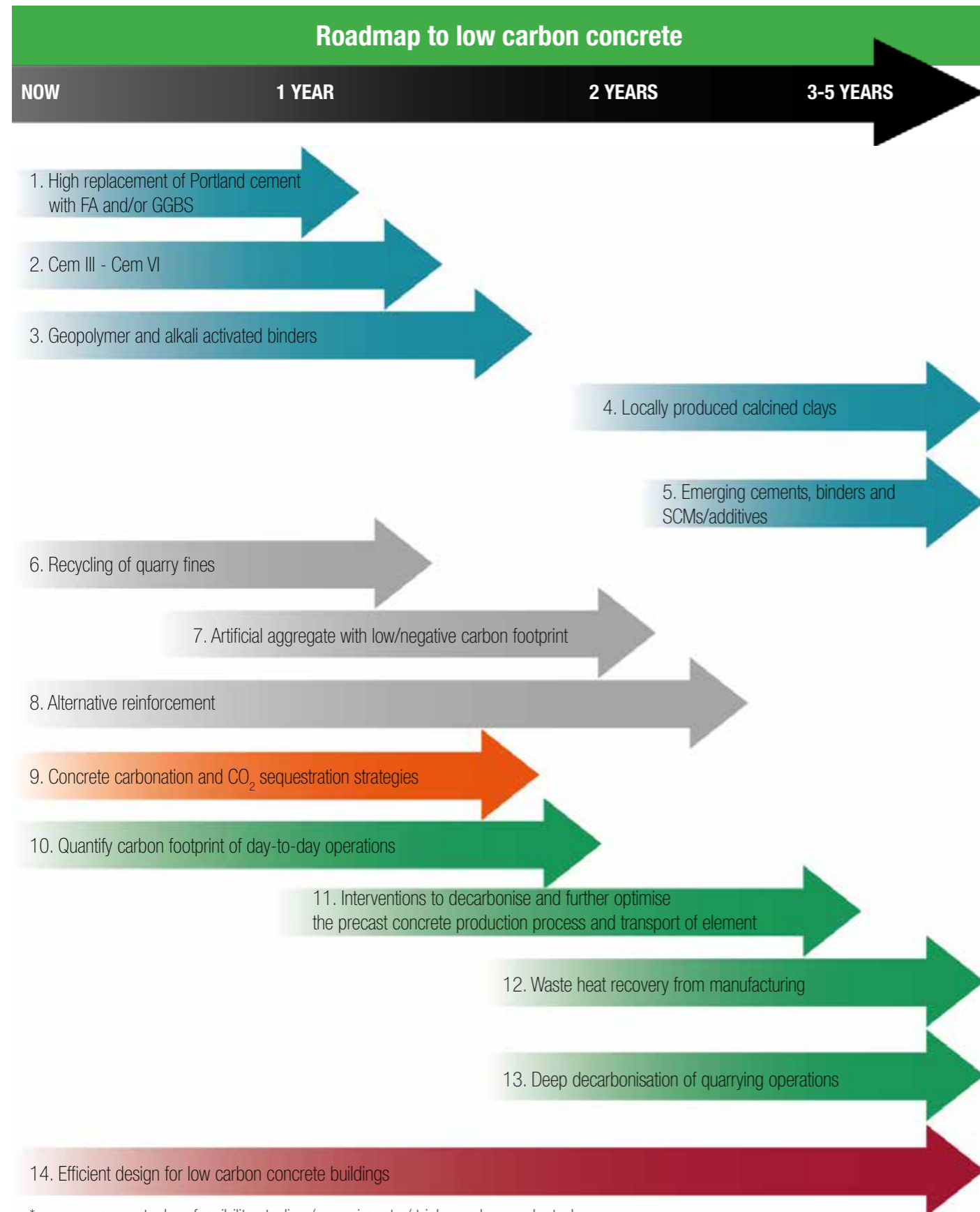


## RESPONSIBLY SOURCED TO BES 6001

FP McCann are currently working towards obtaining accreditation for BES 6001 due in early 2021. The concrete industry adopted independent certification to the responsible sourcing standard BES 6001 from its launch in 2008. Constituent materials such as cement and aggregates are now 100% responsibly sourced to BES 6001 (see [www.sustainableconcrete.org.uk](http://www.sustainableconcrete.org.uk)). The latest published data from British Precast shows that 76% of all concrete produced by their members is certified to responsible sourcing standard BES 6001. This standard gives confidence of the ethical sourcing and traceability of concrete products, another advantage of a UK supply chain.

## MATERIAL EFFICIENT PRODUCTION

The manufacturing process for precast concrete products is becoming more efficient with a 40% reduction in water use and a 95% reduction in waste to landfill since 2008, now down to 0.25 kg/t. As well as ensuring that any production concrete waste is recycled on site, precast concrete also utilises secondary and recycled aggregates with this representing around a fifth of the aggregates used. Concrete waste is minimised during manufacture due to efficient processes in the factory and the control of materials. As precast concrete elements and systems are typically made to order this reduces waste in production.



\*arrows represent when feasibility studies / experiments / trials can be conducted.

## OUR LOW CARBON JOURNEY

1. FP McCann plans to build upon the successful introduction of alternative materials with a lower carbon footprint than CEM I by further utilising Supplementary Cementitious Materials (SCM's) in the manufacturing of precast concrete including Fly Ash (FA) and Ground Granulated Blast Furnace Slag (GGBS).
2. New multi-component cements including CEM III – VI will be trialled providing increased dosages of SCM's further replacing Portland cement and therefore significantly reduce the carbon footprint.
3. Geopolymer and Alkali Activated Binders (AABs) offer an alternative approach by removing cement from the concrete mix design. Binder is formed by reacting an alumino-silicate precursor, often a waste or a by-product material (typically comprising FA, GGBS and/or calcined clay), with a chemical activator.
4. The introduction of Calcined Clays to partially replace clinker in cement production is widely believed to represent the best long term solution for the concrete industry. As stockpiles of FA and GGBS continue to diminish, Calcined Clays may represent a more reliable and sustainable SCM source for use in both Portland cement-based binders and the alternative binders (geopolymer/AABs).
5. It is expected that as various industries alter their operations and collectively move towards a greener future that new by-products providing a cementitious behaviour may become more widely available. These emerging materials can then be incorporated into concrete mix designs.
6. The recycling of quarry fines has been broadly adopted in the concrete industry significantly reducing the dependency on virgin materials. The proportion of these materials can be optimised to further enhance the performance of concrete.
7. Low carbon aggregates offer another pathway to sequester carbon permanently. A variety of companies are currently developing technologies where a carbonation process is utilised to treat waste materials to form artificial aggregate and permanently store carbon dioxide.
8. Steel reinforcement contributes significantly to the carbon footprint of reinforced concrete structures. Alternative reinforcing materials can be considered including Fibre Reinforced Polymers (FRP) and a wide range of fibre reinforcement. These materials have the additional benefit of prolonging the life of a structure and requiring less concrete cover as they are non-corrosive unlike steel.
9. A range of options for carbon sequestration are becoming available to the market enabling carbon dioxide to enhance the mechanical properties of concrete. Some solutions involve the use of emissions from the cement industry to be reused in the production of concrete.
10. Critical to assessing performance is quantifying the associated emissions of our daily operations and the materials used. This information will contribute to the creation of Environmental Product Declarations while also highlighting key areas for further reductions.
11. Interventions to decarbonise and further optimise the precast concrete production process and transport of element including fuel switching and alternative curing methods. These innovations must ensure that current rates of production are not compromised to ensure the long term success of low carbon concrete.
12. Waste heat from manufacturing can be recovered with a variety of possible applications in the daily operations of factories including drying aggregates or heating buildings.
13. Deep decarbonisation of quarry operations will involve exploring alternative energy sources including renewables across multiple sites.
14. Introducing optimisation techniques in design will play an important role in providing the most efficient combination of material type, deployed concrete structural systems, element thickness and reinforcement content, reducing material consumption and minimising the associated emissions while providing more economically viable solutions.

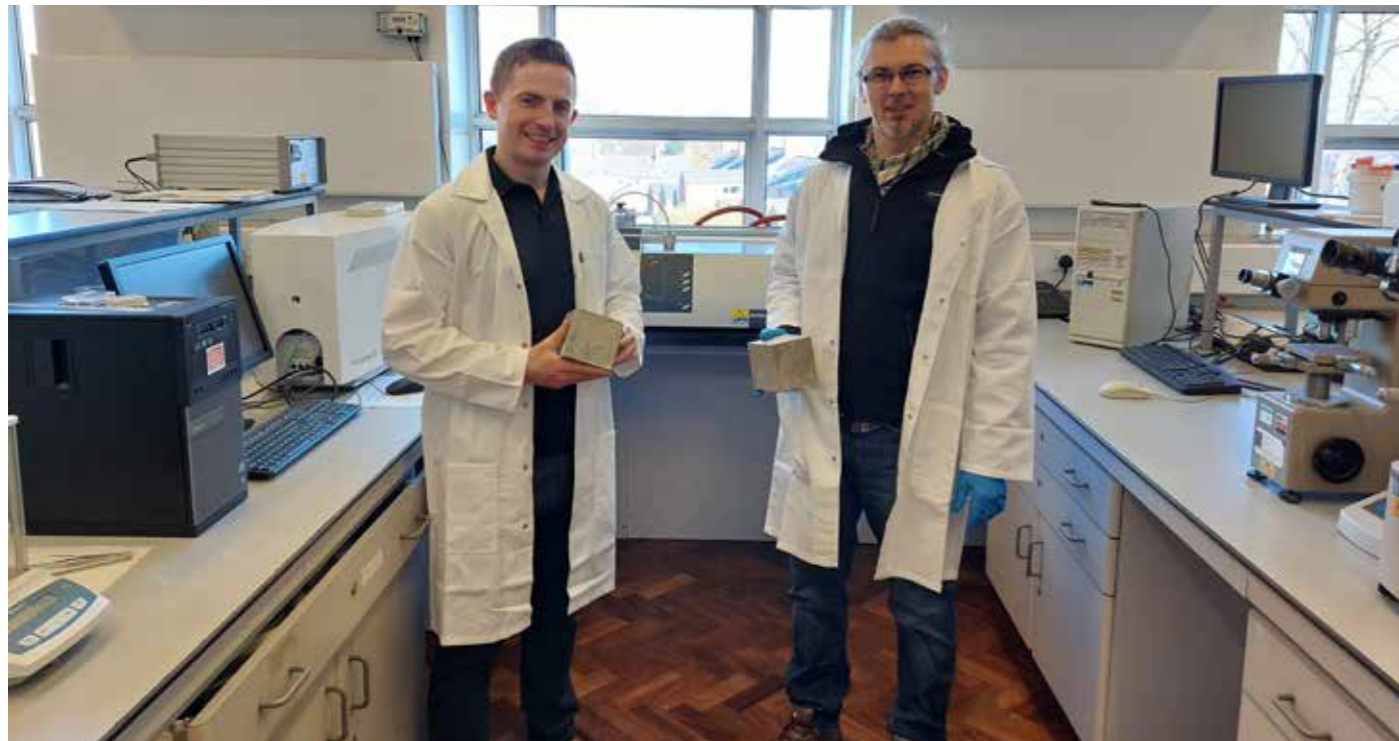


# ROADMAP TO NET ZERO



## OUR LOW CARBON JOURNEY

With an industry wide focus on reducing carbon emissions, FP McCann has begun its low carbon journey assessing the state of the art research. A multifaceted approach is to be applied as the various materials, technologies and required manufacturing standards continue to develop over the coming years. Key areas to be investigated are the use of higher dosages of supplementary cementitious materials to partially replace Portland cement, trialling newly developed cement blends, alternative binders, concrete carbonation and sequestration, carbon negative aggregates, and alternative reinforcement. This research will assess the feasibility of moving away from traditional reinforced concrete design and manufacturing processes while reviewing the solutions required to overcome technical issues currently impeding their introduction. Changes to existing practices will impact the carbon footprint of FP McCann's extensive product portfolio and will be reflected in updated Environmental Product Declarations (EPDs) as suitable innovations are introduced into daily manufacturing operations.



# CURRENT CARBON EMISSIONS FROM OUR INDUSTRY



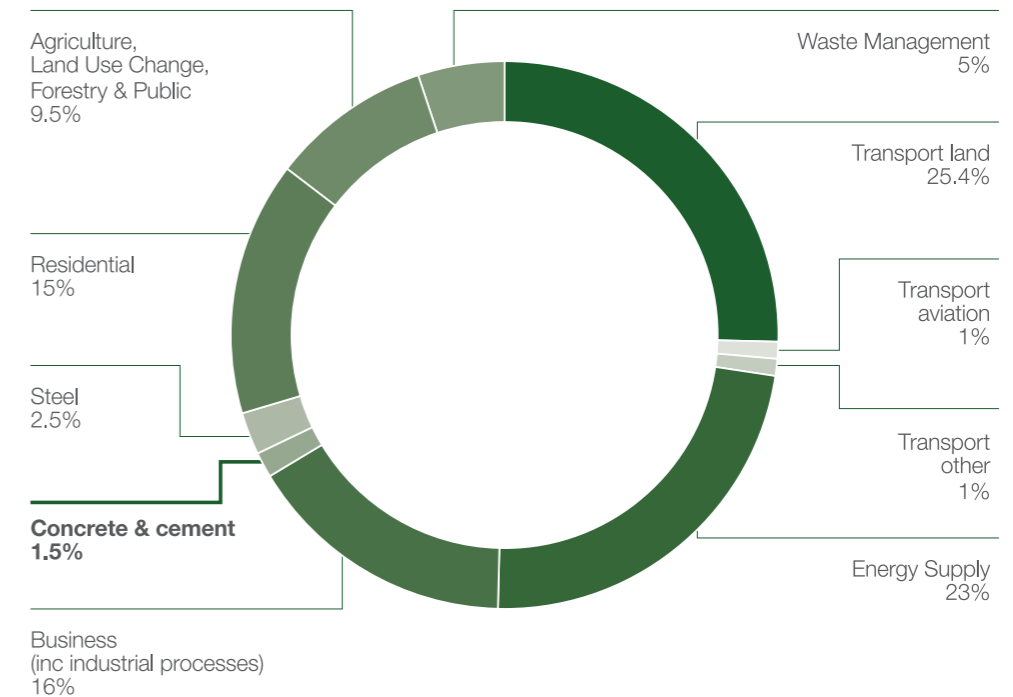
UK concrete and cement currently account for around 1.5% of UK carbon dioxide emissions, five times lower than the global average where cement accounts for around 7% of emissions. Early action by the UK concrete and cement industry has resulted in emissions already being 53% lower than 1990.

UK carbon dioxide emissions from concrete and cement were 7.3 million tonnes in 2018; around 4.4 million tonnes of this was 'process emissions' from clinker production, 2.2 million tonnes from fuel combustion and the remainder from electricity use and transport. Concrete is a mix of aggregates, cement and water.

The principal ingredient in cement is clinker. Clinker production is the main source of carbon dioxide emissions. These arise from the combustion of fuels in the kiln and from 'process emissions' which are a by-product of the chemical reaction that makes clinker. This makes decarbonisation more challenging than simply switching fuel sources, which is the only option for many other industries.

The industry has taken considerable early action and due to investment in fuel switching, changes in product formulation, and energy efficiency including plant rationalisation, direct and indirect emissions are 53% lower than 1990.

## SECTOR CONTRIBUTIONS TO 2018 UK GREENHOUSE GAS EMISSIONS



UK cement manufacturers have already invested hundreds of millions of pounds in decarbonising by:

- Adopting the latest available technology
- Developing lower carbon cements and concretes, for example, by replacing clinker with lower carbon cementitious materials
- Switching from traditional fossil fuels such as coal and petrol to the use of waste, waste biomass and waste partbiomass fuels. These alternative fuels now account for 43 per cent of the fuel used, replacing the equivalent of half a million tonnes of coal every year.

# CURRENT CARBON EMISSIONS FROM OUR INDUSTRY



In addition to the significant efforts to reduce carbon emissions, the concrete and cement industry has made significant progress in other areas to enhance its sustainability credentials:

- Concrete is a locally produced material with an established, national supply chain – the average delivery distance for ready-mixed concrete is only 12km
- Over 95% of UK concrete is produced in the UK. By comparison, 67% of timber and 60% of steel is imported from around the world.
- Over 90% of UK concrete is certified as 'very good' or 'excellent' by the 'BES 6001 Responsible Sourcing of Construction Products' framework.
- Concrete is 100 per cent recyclable. Almost none goes to landfill and 90% of hard construction and demolition waste is recycled as aggregates.
- The industry is a responsible landowner, working closely with bodies including Natural England, the Wildlife Trusts and the RSPB to enhance biodiversity. Between 2009 and 2019 MPA members planted 1.5 million trees and 100km of hedgerows and have created 8,000 hectares of priority habitats.
- The concrete industry is a net consumer of waste, using over 200 times more waste and by-products from other industries than the waste it sends to landfill.

## CONCRETE AND CEMENT MANUFACTURE, TRANSPORT AND USE TODAY

### QUARRYING RAW MATERIALS

Limestone and other raw materials are quarried onsite or nearby. Emissions arise mainly from fuel and electricity for transport, quarry machinery, crushing and processing.

### CLINKER FORMATION IN THE KILN

Clinker is produced by further heating the raw materials to 1,450°C. The main emissions arise from fuel combustion and electricity needed for fans and motors.

### CEMENT DESPATCH

Cement is stored in silos then despatched in bulk tankers or in bags by road or rail. Emissions arise mainly from transport fuel.

### RAW MATERIAL CO<sub>2</sub> PREPARATION

The raw materials are combined by grinding. Emissions arise mainly from electricity for grinding and conveying.

### CLINKER COOLING AND STORAGE

Air is used to cool the clinker. Recovered heat is used for preheating, avoiding additional emissions.

### CONCRETE PRODUCTION AND DELIVERY

Cement and other cementitious materials are combined with water and aggregates to produce a range of concrete products. Emissions mainly arise from electricity and transport fuel.

### PREHEATING AND CALCINATION

The raw materials are preheated to around 900°C using recovered heat and fuel. The main emissions are from fuel combustion and the calcination process when CO<sub>2</sub> separates from the limestone.

### MILLING AND BLENDING

Clinker is ground with gypsum and other materials to produce cement. Emissions arise from electricity needed to grind and blend the hard clinker and cementitious materials.

### CONCRETE USE, END OF LIFE AND RECYCLABILITY

Concrete is 100% recyclable and naturally absorbs atmospheric CO<sub>2</sub> throughout its lifetime, a process called carbonation. Carbonation is increased when concrete is crushed for reuse at the end of its life and during any secondary use but can also be accelerated during concrete production.

### BUILT ENVIRONMENT

Concrete's thermal performance properties are helping construct highly energy efficient buildings and infrastructure. Thermal mass is a property of concrete and masonry, where heat can be absorbed, stored and released slowly. Concrete buildings with high thermal mass generally have lower energy requirements and emissions from heating and cooling.

All of the information provided within this document is based on manufacturer/supplier data and is presented to the best of our knowledge/belief.

# GREEN ENERGY CERTIFICATION



## Green Energy Certificate

Power NI certifies that

**FP McCann Limited**

**is currently supplied with 100% Green Energy.  
These premises are powered by local, renewable electricity  
with zero carbon emissions.**

**Valid Period**

01/09/2025 to 31/08/2027

*L Hughes*

**Power NI  
Business Energy**



# OUR PROGRESS IN NUMBERS



## FP MCCANN RECOGNISED FOR SIGNIFICANT CARBON REDUCTIONS IN PARTNERSHIP WITH ECOCEM

As a large company operating under the UK's Streamlined Energy and Carbon Reporting (SECR) framework, FP McCann is required to report annually on its energy use and greenhouse gas emissions. We are pleased to share the headline findings from our FY2025 SECR submission, which demonstrates the meaningful progress we have made since our baseline year of 2020.

### WHAT IS SECR?

The Streamlined Energy and Carbon Reporting framework requires qualifying UK businesses to disclose their energy consumption and carbon emissions in their annual Directors' Report. FP McCann reports in accordance with the Greenhouse Gas (GHG) Protocol, using the Financial Control boundary approach and the UK Government's conversion factors for the relevant reporting year. Our fixed base year is 1 January 2020 to 31 December 2020, against which all subsequent performance is measured.

### OUR HEADLINE RESULTS

The table below summarises FP McCann's greenhouse gas emissions for FY2025 compared to our 2020 baseline, expressed in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e).

SCOPE	EMISSION SOURCE	2020 BASELINE (tCO <sub>2</sub> E)	FY2025 (tCO <sub>2</sub> E)	CHANGE vs BASELINE
Scope 1 - Direct	Fossil Fuels	16,262.67	8,525.36	-47.6%
Scope 1 - Direct	Bio-energy	104.79	121.87	+16.3%
Scope 1 - Direct	Transport	7,251.95	11,810.81	+62.9%
<b>Scope 1 Total</b>		<b>23,619.41</b>	<b>20,458.04</b>	<b>-13.4%</b>
Scope 2 - Indirect	Electricity (Market-based)	2,736.01	1,855.12	-32.2%
<b>Scope 1 &amp; 2 Combined</b>		<b>25,019.10</b>	<b>22,065.59</b>	<b>-11.8%</b>
Scope 3 - Indirect	Fuel-Related Activities	5,494.52	5,086.13	-7.4%
Scope 3 - Indirect	Business Travel	517.12	590.67	+14.2%
Scope 3 - Indirect	Energy-related Activities	355.67	815.43	+129.3%
<b>Scope 3 - Total</b>		<b>6,367.31</b>	<b>815.43</b>	<b>+2.0%</b>
<b>Scope 1,2,3 - Total</b>		<b>32,722.73</b>	<b>28,557.80</b>	<b>-12.7%</b>

Our total greenhouse gas emissions across Scopes 1, 2 and 3 have fallen by 12.7% since our 2020 baseline, from 32,722.73 tCO<sub>2</sub>e to 28,557.80 tCO<sub>2</sub>e. The most significant reductions have been achieved in Scope 1 fossil fuel consumption, which has fallen by 47.6% — a direct result of our sustained investment in biomass heating, renewable energy, and process efficiency improvements across our manufacturing sites.



# OUR PROGRESS IN NUMBERS



## CARBON INTENSITY: THE TRUE MEASURE OF PROGRESS

Because FP McCann has grown significantly since 2020, absolute emission figures alone do not tell the full story. Our carbon intensity metric - which measures emissions per million pounds of turnover - provides a more accurate reflection of the efficiency improvements we have achieved.

SCOPE	FY2020 INTENSITY (tCO <sub>2</sub> E)	FY2025 INTENSITY (tCO <sub>2</sub> E)	IMPROVEMENT
Scopes 1 & 2	101.63	45.50	-55.2%
Scope 3	24.55	13.39	-45.5%
Scopes 1,2 & 3	126.19	58.88	-53.3%

Our carbon intensity across all scopes has more than halved since 2020, falling by 53.3%. This means that for every million pounds of turnover, FP McCann now generates less than half the greenhouse gas emissions it did in our baseline year — a remarkable achievement that reflects the depth of our commitment to decarbonisation.

## ENERGY USE: SHIFTING AWAY FROM FOSSIL FUELS

Our total energy consumption across Scopes 1 and 2 has fallen by 6.4% in absolute terms since 2020, from 122.4 million kWh to 114.5 million kWh. More significantly, the composition of that energy use has changed substantially. Fossil fuel consumption has fallen by 46.9%, while bio-energy use has increased by 56.2%, reflecting the successful roll-out of our biomass heating installations. Transport energy has increased in line with business growth, but this is being actively addressed through our fleet electrification programme and driver efficiency training.

ENERGY SOURCE	FY2020 (kWh)	FY2025 (kWh)	CHANGE
Fossil Fuels	67,731,836	35,957,716	-46.9%
Bio-Energy	6,782,714	10,597,771	+56.2%
Transport	30,144,861	48,396,605	+60.5%
Electricity (Grid)	17,739,139	19,563,033	+10.3%
<b>Total</b>	<b>122,398,550</b>	<b>114,515,124</b>	<b>-6.4%</b>

## UNDERSTANDING THE INCREASES

It is important to be transparent about the areas where emissions have increased. Transport emissions under Scope 1 have risen by 62.9% since 2020, primarily reflecting business growth and increased delivery activity. FP McCann is actively addressing this through the progressive electrification of its forklift fleet, investment in Euro 6 HGV engines, GPS load optimisation via our LoadTracker system, and HGV driver training programmes designed to reduce fuel consumption. The increase in Scope 3 energy-related activities reflects greater transparency in reporting rather than an underlying increase in impact.

## LOOKING AHEAD

FP McCann's FY2025 SECR results demonstrate that our multi-year investment in renewable energy, process efficiency, and low-carbon manufacturing is delivering measurable results. We remain committed to our target of achieving net zero by 2050, and we will continue to invest in the technologies, partnerships, and operational improvements needed to drive further progress. Our bespoke energy monitoring platform, developed by our in-house R&D team, will play an increasingly important role in identifying further reduction opportunities at a granular level across all our sites.

# ECOCEM CARBON SAVINGS CERTIFICATE 2025



## FP MCCANN RECOGNISED FOR SIGNIFICANT CARBON REDUCTIONS IN PARTNERSHIP WITH ECOCEM

As part of FP McCann's ongoing sustainability strategy and our pledge to achieve net zero by 2050, we continually seek innovative ways to reduce the embodied carbon in our precast concrete products. Our commitment to sustainable manufacturing has recently been recognised with the award of a 2025 Carbon Savings Certificate from Ecocem.

This certification confirms that through our strategic procurement and use of low-carbon cement alternatives, FP McCann has successfully saved 2,592 tonnes of CO<sub>2</sub>. This substantial reduction was calculated using a market-based comparison of avoided emissions against the CMI's Environmental Product Declaration (EPD) for CEM II/A-L.

The use of supplementary cementitious materials is a key pillar of our roadmap to low-carbon concrete. By replacing traditional Portland cement with more sustainable alternatives, we can significantly reduce the carbon footprint of our products without compromising quality, strength, or durability.

This achievement highlights the tangible impact of our sustainable procurement choices and reinforces our dedication to providing for the present while protecting the future. We will continue to work closely with our supply chain partners, like Ecocem, to drive further carbon reductions across all our manufacturing operations.

**"2,592 TONNES OF CO<sub>2</sub> SAVED THROUGH SUSTAINABLE CEMENT ALTERNATIVES"**



## 2025 Carbon Savings Certificate

This is to certify that

FPMcCann

Have Saved

2,592

Tonnes of CO<sub>2</sub>

*Paul Roos*

Paul Roos  
Managing Director,  
Ecocem Ireland & UK



10.02.2026

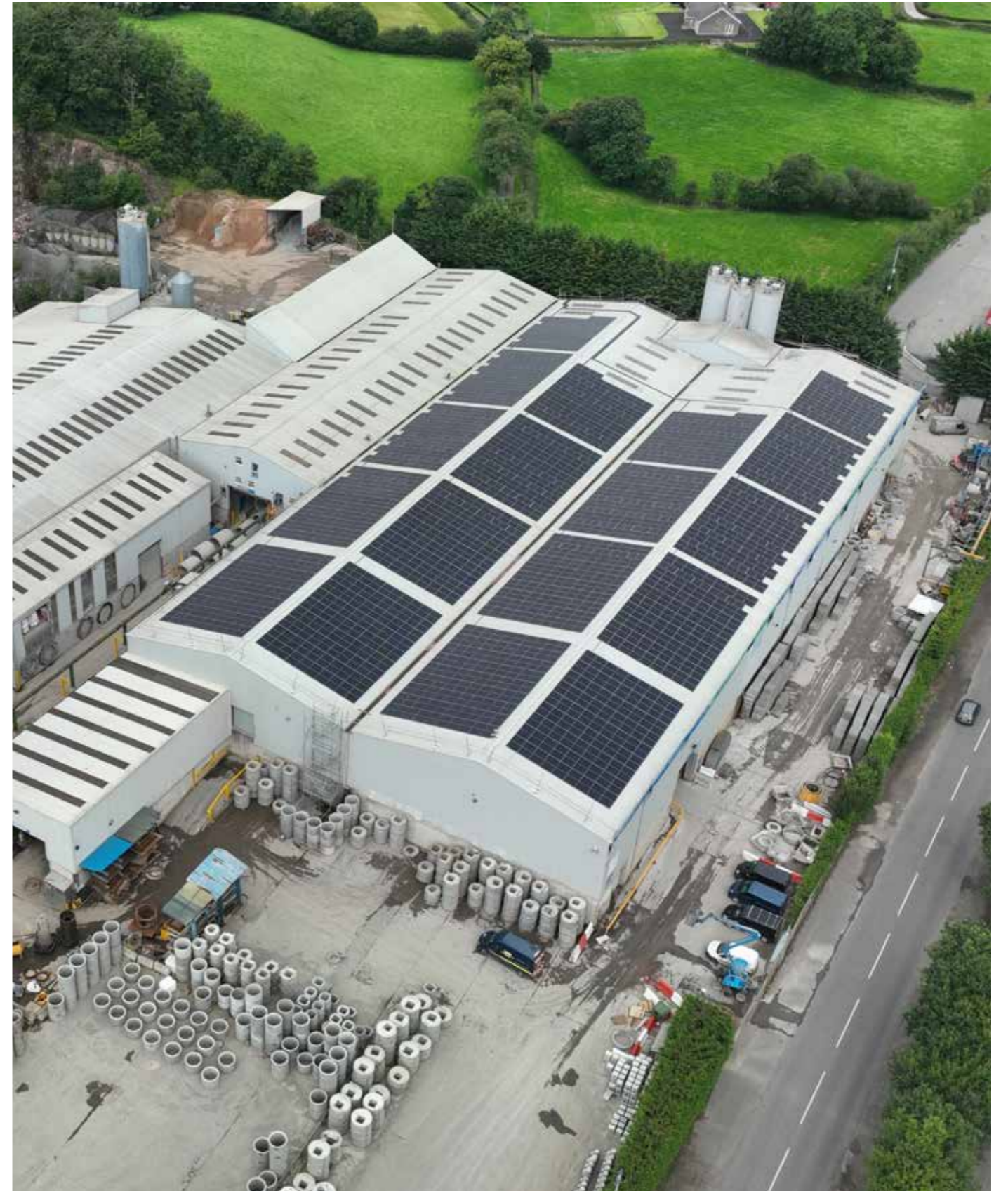
Date

The market based avoided emissions comparison was done against CMI's EPD for CEM II/A-L.

The future. Remixed

Ecocem Ireland Ltd.,  
Block F1, East Point Office Park, Dublin 3  
T: IR: +353 (0)1 678 1800 UK: +44 (0)2045 434 877  
E: info@ecocem.ie W: www.ecocem.ie

# ECOCEM CARBON SAVINGS CERTIFICATE 2025





THINK BEFORE  
YOU PRINT

[FPMCCANN.CO.UK](http://FPMCCANN.CO.UK)