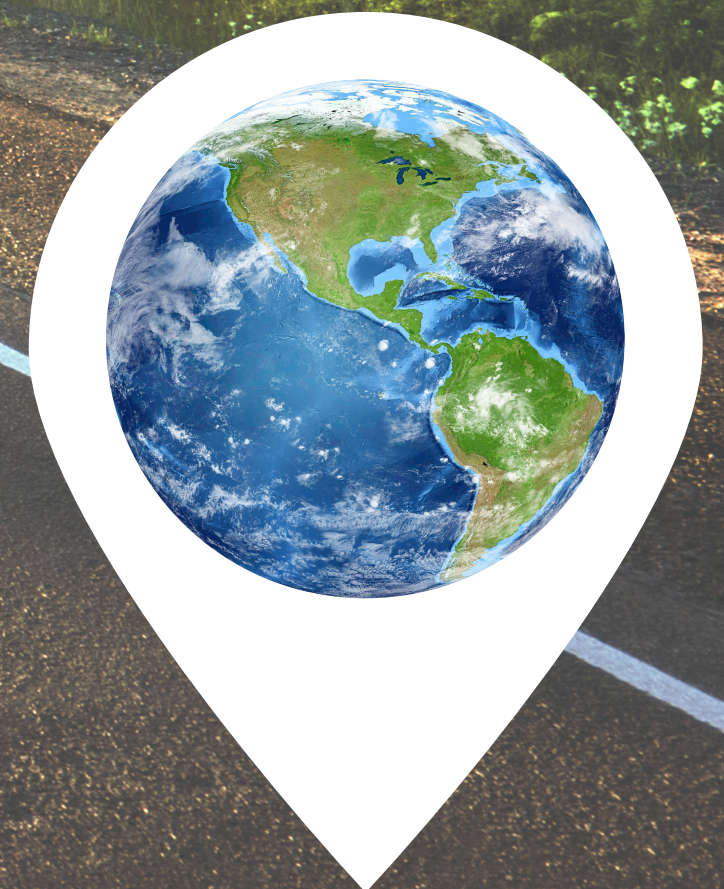


Route to Zero

Carbon Strategy



INTRODUCTION



Of all risks, it is in relation to the environment that the world is most clearly sleepwalking into catastrophe.

World Economic Forum (WEF)

Fighting climate change is one of the most pressing challenges of our time and without immediate action the impacts could be irreversible. Climate change is already affecting us and time is running out.

Carbon Strategy

Our carbon strategy is a direct response to the climate emergency and works to address the urgency of the crisis.

The construction industry has a significant impact on global emissions. At Morganstone, we recognise our responsibility to future generations to take immediate action in fighting the climate crisis and are ready to accept the challenge and affect change. That's why we're passionate about becoming leaders for sustainable construction in Wales.

This strategy represents our commitment to this ambition and sets out our direction over the next ten years to trial new technologies, champion renewable sources and minimise reliance on fossil fuels.



Race to Zero:

We are extremely proud to be a member of the United Nations Race to Zero campaign. The race to zero is a global campaign, aiming to rally leadership across businesses, cities and regions for a healthy, resilient, zero carbon recovery. This represents our dedication to protecting the environment and working towards net zero emissions.

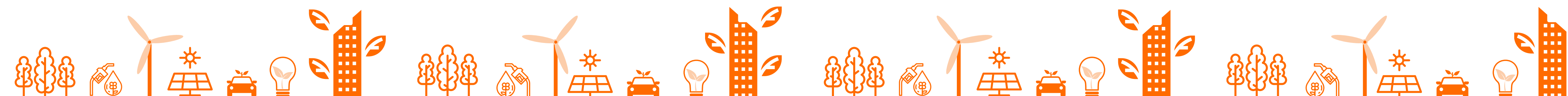
Climate Pledge Commitments

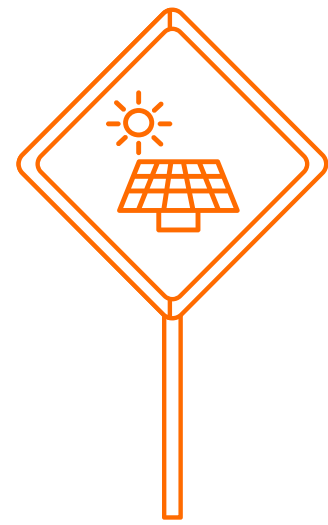
We will **halve** our greenhouse gas emissions before **2030**.

We will achieve **Net Zero** emissions before **2050**.

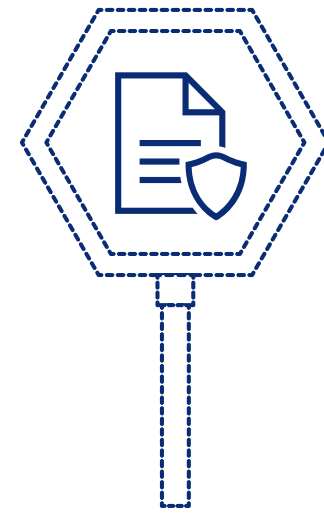
We will **disclose our progress annually**.

We will work **collaboratively** with our Clients and Supplychain to **affect change**.





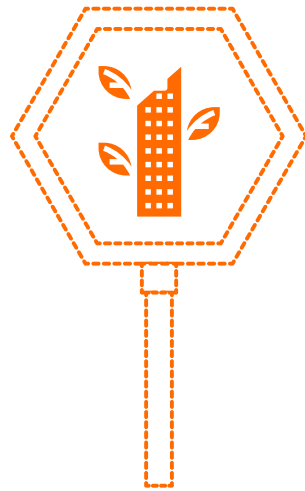
Championing use of renewable technology



Decarbonisation policy & procedures



Working with suppliers to promote low carbon materials

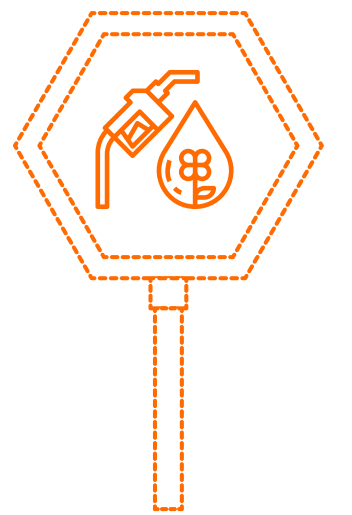


Innovative building solutions



2021

Sign up to Race to Zero



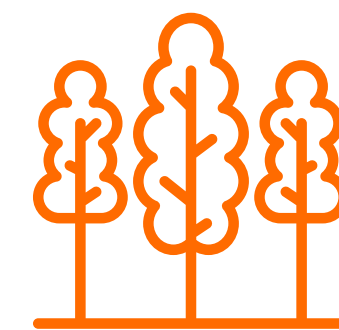
Reduced reliance on fossil fuels



Low carbon fleet & plant



Increased modular construction



Annual carbon offsetting



Develop policies

We will develop policies, procedures, guidance and strategies across the business on decarbonisation. We recognise that climate action needs to be on the agenda in every step of the construction process, from early planning to construction, operation and maintenance.

Improvement Targets

- Construction phase carbon targets.
- Opportunities for carbon reductions considered by the project team at the earliest possibility.
- Process for reporting on carbon performance.
- Central library to be provided of carbon and cost data.

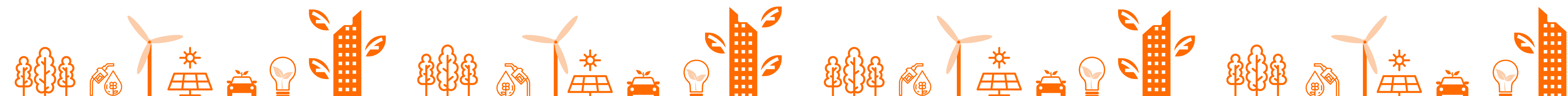


Increase modular construction

Modular construction represents a huge leap forward in sustainability, including opportunities for more responsible use of raw materials, optimised energy usages and lower carbon emissions. We plan to collaborate with our clients and offer designs that encourage and enhance modularity, multi-functionality and minimised carbon footprint by utilising the latest knowledge and technology.

Improvement Targets

- Design brief to always include consideration of carbon reduction opportunities.
- Carbon workshop to be undertaken following contract award.
- Champion the use of modular construction.





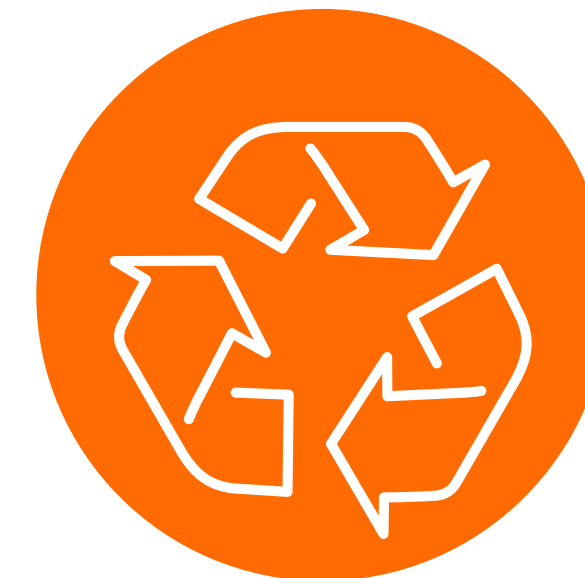
Reduce reliance on fossil fuels

The construction industry has historically been heavily reliant on diesel. Alternative fuels, such as hydrotreated vegetable oil (HVO) significantly reduces GHG emissions. We will transform from diesel to low carbon bio-diesels such as HVO and aim to be diesel free by 2030.

Trials on diesel alternatives, hybrid machinery and solar technology will be undertaken on projects to determine the biggest carbon savings.

Improvement Targets

- Trial HVO fuels, hybrid generators and solar technology.
- Work collaboratively with Supplychain to replace plant and machinery with hybrid / electric models.

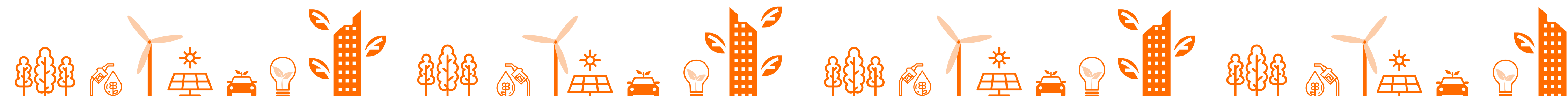


Reduce waste

Waste produced through our construction process involves embodied carbon. Fundamental to our carbon strategy is to also minimise our waste as far as possible. That's why alongside this strategy we also have a specific waste reduction strategy and have zero waste to landfill targets.

Improvement Targets

- Reuse surplus materials on other sites.
- Produce SWMP for each project.
- Design out waste.
- Minimise waste that cannot be designed out.





Upgrading to Eco-site welfare

Temporary site welfare have traditionally been poorly insulated resulting in high energy usage. We are moving to a higher standard of on-site accommodation, reducing harmful emissions and fuel consumption. All of our site welfare will be highly insulated, with PIR lights and lower energy demand.

We will pursue connection to mains electricity as soon as possible to benefit from the decarbonisation of the grid.

Improvement Targets

- Minimum standards for low or zero carbon emissions for site set-up.
- Strategic planning to ensure earlier grid connections.



Low carbon transport

We are committed to the development of green travel plans, including the elimination of unnecessary travel and moving to more efficient modes of transport. We will ensure we use the infrastructure and digital technology available to us to best effect.

Improvement Targets

- Replacement of fleet with electric models.
- Carpooling platforms;
- Driver Training;
- Electrical car charging point;
- Introduction of carbon logistics plans;
- Increase use of virtual meetings.





Low carbon products

All products used in the industry have embodied carbon impacts from extraction, manufacture or transportation. We are working with suppliers to reduce the embodied carbon of materials used on our developments, focussing initially on concrete and steel.

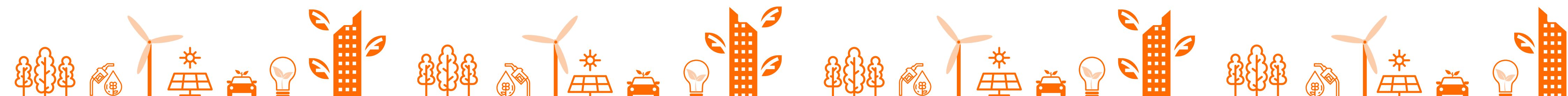
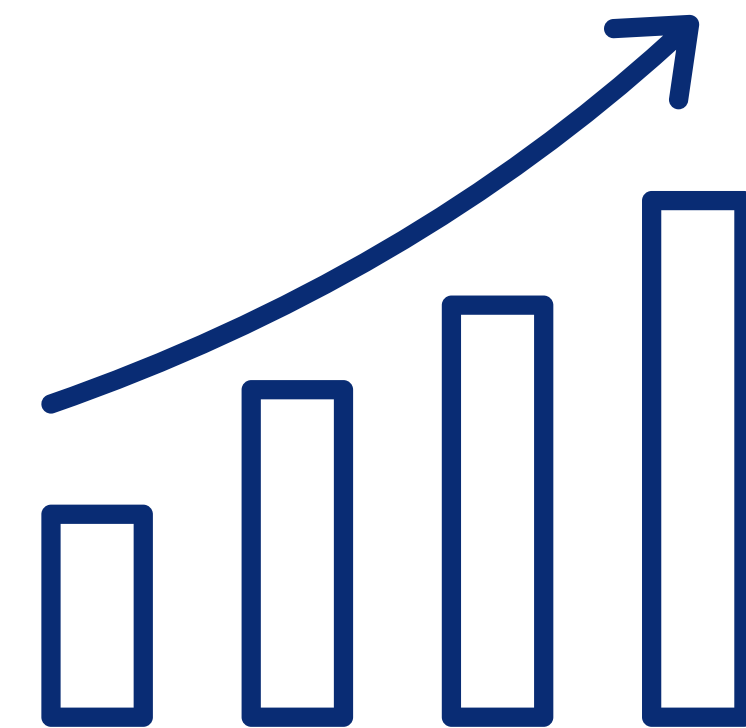
OFFSETTING

Morganstone has undertaken a programme of offsetting carbon emissions for a number of years in partnership with Carbon Footprint Ltd. Throughout our journey to net zero we will continue to offset a minimum of 5% of our carbon emissions.

PROGRESS

Morganstone is passionate about continual improvement and we recognise that this strategy and our route to zero will continue to develop as technology improves. Our carbon policies, strategies and processes will be regularly reviewed to ensure we respond to innovative developments.

We will continue to monitor our carbon progress on a monthly basis and will publicly disclose our carbon emissions annually.





Head Office

Morganstone House
Llys Aur
Llanelli Gate
Llanelli
SA14 8LQ

www.morganstone.co.uk

