

My Net Zero Toolkit

Is your organisation
ready to meet the
UK's 2050 target?



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The UK has legislated to be net zero by 2050.

The urgency around net zero has arrived from the catastrophic threat posed by climate change. The 2015 Paris United Nations Climate Change Summit reached the agreement to keep global warming 'well below' 2 degrees Celsius, and to 'make efforts' to keep it below 1.5°C.

We are already at +1.1°C and it has been suggested that global greenhouse gas (GHG) emissions need to reach 'net zero around mid-century' to give a reasonable chance of limiting global warming to 1.5°C.

'Net zero' means limiting overall GHG emissions to 100% below 1990 levels, across the whole economy. Any remaining emissions must be balanced by finding ways to absorb an equivalent amount of greenhouse gases (GHG) from the atmosphere.

In June 2019 the UK became the first major economy in the world to pass legislation to end its contribution to global warming - committing to reduce greenhouse gas emissions to net zero by 2050.

Since then, we've seen numerous announcements from organisations committing to ambitious initiatives, detailing how they will reduce their carbon impact - from sourcing power from renewable energy sources, to overhauling manufacturing processes and electrifying fleets.

But there's still a long way to go.



Why should the manufacturing sector get involved?

Industry is one of the largest GHG emitters in the UK, accounting for 21% of emissions, only slightly less than surface transport. Buildings also account for another significant portion (17%) of the emissions.

The manufacturing sector itself is responsible for 12% of total UK GHG emissions.

Manufacturers have a crucial role to play in the Green Industrial Revolution, not only to reduce the problem (as a major emitter) but will also aid the solution by developing technologies, products, services and skills deemed essential to the green economy.

Net zero also presents us with an opportunity. Not only can you make savings from reducing your carbon footprint, you can improve technology, process and behavioural efficiencies, lessen waste, drive innovation, build your reputational credentials and get ahead of your competitors.

What is 'My Net Zero Toolkit'?

'My Net Zero Toolkit' will guide UK manufacturers' towards net zero by 2050 (or earlier if possible) and help them to respond to the imperative of climate action.

The toolkit is intended to enable all members, wherever they are in their net zero journey, to understand that it is possible to plan their future business in a climate-responsible manner, and that they will reap the benefits of this strategy.

Energy & Carbon Management (E&CM) have partnered with Make UK to launch this toolkit to support your businesses. E&CM is one of the UK's longest established and leading independent utility consultancies.

E&CM help businesses with the procurement of their energy and water, as well as providing expert support with utility and carbon management. They work as an extension to your team, aligning with your goals and working to provide you with the utility solutions you need.

Your toolkit consists of:

- 1. Carbon Footprint**
- 2. Site Surveys**
- 3. Project Implementation**
- 4. Track and report**

Net zero is a challenge but with the right support and advice, can present your business with a range of commercially and operationally beneficial opportunities.



1. Carbon Footprint

To work out your goals and ensure they are right for your organisation, it is important to first measure your **carbon footprint**.

We will support you with data collection and use industry-standard methods to provide you with a good understanding of your current Scope 1 & 2 emissions.

The results are presented to you in a comprehensive, disclosure-ready Carbon Footprint Report, performed to 2018 regulations governing energy and carbon disclosures by large unquoted companies within the UK. This will give you the baseline from which to measure future changes.

It also gives you the data your wider supply chain and your customers may request from you for their own carbon footprint reporting, sustainability and net zero targets.

Sources of national greenhouse gas emissions

	% CO ₂ e
Heat	31
Transport	27
Electricity & fuel production	23
Agricultural	10
Waste	4
F-gases	3
Industrial process emissions	2



UK Government, 2020.

2. Site Surveys

Our specialist team will then complete a detailed energy audit of all your sites to identify areas of energy wastage and opportunities to improve efficiency.

This survey is performed in line with Environment Agency (EA) methodology guidelines associated with the Energy Savings Opportunity Scheme (ESOS).

We will provide a report listing your main carbon reduction investment options, complete with business cases.



3. Project Implementation

E&CM don't leave our service at report stage either. Instead, we can work with you to facilitate and manage any projects so you receive the full value of our service.

There are funded and non-funded solutions available, our team can create costed plans against a set budget and investigate any appropriate funding options that may be available.

We provide a wide range of services, including procurement of green energy, LED lighting, heat pumps, improved metering, solar PV, battery storage, electric vehicle solutions and carbon offsets.



4. Track & report



We can house your energy and transport data on our systems in a robustly auditable format.

Tracking your ongoing emissions against a baseline, and keeping records of implemented initiatives will help to show the progress you have made towards your goal.

We will deliver annual carbon footprint reporting, inclusive of year-on-year associated data comparisons and implemented project narrative.

Your information will be displayed in a digestible way to pass on to your customers and supply chain partners.

E&CM take the headache of reporting away, freeing you up to shout about your Corporate Social Responsibility (CSR) and decarbonisation efforts and demonstrate your reputation-enhancing net zero credentials.



Supporting your journey to **net zero**

For more information on **'My Net Zero Toolkit'**,
talk to us today on **0330 166 4444** or
email **makeuk@ecm.co.uk**



Supporting Partner