



LOW CARBON
ENERGY

Why should a
net-zero
strategy
be a priority?

2050

The target for net-zero set
by the UK government.

[LowCarbonEnergy.co](https://www.LowCarbonEnergy.co)



What is net-zero?

Net-zero refers to striking a balance between the emissions produced and the emissions removed from the atmosphere.

If the emissions produced is equal to the emissions removed, then that entity can be truthfully said to have achieved net-zero.

Essentially, it involves cutting emissions.

In 2020, when businesses shut down and cars stopped moving, we had a glimpse of what a low-carbon world would be like. But while reducing emissions is a great goal to set, it's also quite vague. For it to be achievable, it needs to be specific, and that's where net-zero comes in.

It gives businesses a specific target to aim for, a benchmark to reach so that they know their sustainability efforts are working. Of course, the ideal case scenario would involve simply eliminating emissions entirely. However, this can prove to be a difficult challenge, especially for 'hard-to-treat' industries such as manufacturing, in which it might be too complex or simply not possible with current technology.

Offsetting the amount of emissions is often far more achievable, since it allows for residual emissions but still limits their potential for harm. For these reasons, net-zero – or 'going carbon neutral' – is seen by many as the more realistic goal.

As our understanding of net-zero grows, so too has the number of companies with net-zero commitments.

Nonetheless, there are still some uncertainties in the way companies are approaching their net-zero strategy and the targets they are setting.

Achieving net-zero requires coordinated action touching on many aspects of the organisation. What may seem daunting can be broken down into strategic and manageable pathways that start with analytics, moves on to developing solutions, and ends in implementing change.

Prevent

Make use of analysis and smart decision making to prevent future emissions even as your business grows.

Reduce

Reduce your current greenhouse gases by enabling more efficient operations and supply chains, allowing an improved business performance which will bring down costs and carbon equivalents.

Plan

Plan to remove carbon elsewhere within your business model seeking solutions outside of your operations, set renewable energy targets and spread awareness within your business.

Collaborate

Collaborate with green finance options, clean technology solutions and social movements.

To reduce consumption and demand for energy you need to be looking at your energy efficiency.

Data analysis & management

Understand how, when and where you use energy. With detailed reporting you get a full picture of usage and insights that can help with forecasting. The data is the starting point for strategic planning and proactive energy management.

Green energy procurement

Review how you source your energy. Procuring green energy is an easy way to make your organisation more sustainable, but in isolation it is not enough as it does not directly lead to a decrease in energy consumption or demand.

Renewable energy has always been a valuable opportunity for UK businesses. The climate emergency has reached a new stage in 2020, and public attitudes have changed.

Recent research found that the UK cares about the environment, and consumers are more likely to favour businesses that don't use single use plastics [32%], limit their supply chain emissions [29%] and minimise packaging [47%].

The key focus in reaching net-zero is reducing demand for energy and improving energy efficiency.



On-site power generation & battery storage

Reducing your reliance and demands on the National Grid. Although generating your own power and developing your own battery storage capability represent a significant investment, it's a way to improve business resilience. It can also lead to demand-side response where surplus energy can be sold back to the grid for extra revenue to invest in sustainability projects.



Switch to electric

The transition to electric heating and adoption of electric vehicles as a move towards decarbonising transport are key. This needs to happen in combination with significant growth in alternative forms of low carbon energy generation like renewables.



Buildings with strong energy performance ratings

Have ultra-efficient buildings. Ideally net-zero buildings provide the foundations for carbon neutrality.



Greener ways of working

Find ways throughout your business where you can reduce your impact on the environment.



Carbon capture & storage

This technology prevents 90% of the carbon dioxide emissions from fossil fuels from entering the atmosphere.

Your business needs to find ways of

- ✓ Reducing energy consumption
- ✓ Improving energy efficiency
- ✓ Taking steps to offset emissions

As experts in the design, installation and maintenance of extensive solar-powered systems, we use the sun's energy to power your present and preserve your future.

To see how we can empower your business to reduce your carbon footprint, increase your efficiencies and achieve net-zero targets, just get in touch with one of our experts.

info@lowcarbonenergy.co [LowCarbonEnergy.co](https://www.LowCarbonEnergy.co)

01282 421489
3-4 Clock Tower Mill, 1 Neptune Street,
Burnley, Lancashire, BB11 1SF

