
Why Should Net-Zero Strategy be a Priority?

2050.

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

The Journey to Net-Zero.

Essentially, it involves cutting emissions.

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

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.



Why Net-Zero Matters.

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. Monitor carbon-intensive activities, identify inefficiencies, and implement proactive strategies that minimize environmental impact while supporting long-term business objectives.

Reduce.

Reduce your current greenhouse gas emissions by enabling more efficient operations and supply chains. Improve energy efficiency, optimize resource use, and adopt low-carbon alternatives to enhance business performance while lowering costs and carbon equivalents.

Plan.

Plan to remove carbon elsewhere within your business model, seeking solutions outside of your operations. Set renewable energy targets, develop clear sustainability roadmaps, engage stakeholders, and spread awareness throughout your business to encourage collective action.

Collaborate.

Collaborate with green finance providers, clean technology innovators, industry partners, and social movements to accelerate your sustainability journey. By sharing knowledge, resources, and best practices, businesses can achieve greater environmental impact than they could alone.

Energy Efficiency: Reducing Consumption and Demand.

To reduce consumption and demand for energy, businesses need to focus on improving energy efficiency. Understanding how energy is used and making informed procurement decisions can help organisations lower costs, reduce emissions, and support long-term sustainability goals.

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%).



Key Strategies to Achieve Net-Zero.

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

On-Site 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.

Greener ways of Working

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

Buildings with Strong Energy Performance Ratings.

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

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.



Trusted by the largest companies.



Client Funding Options.

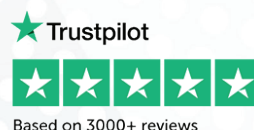
Power Purchase Agreement (PPA).

- Zero upfront costs
- Lock in reduced energy rates from 10-25 years
- Activ8 manage all maintenance of system
- Full ownership of asset on agreement end

CapEx Outright purchase.

- Direct capital investment
- Immediate control over system
- Long-term energy savings
- Maximise return on investment

Leading by Example.



United Kingdom: 1 Neptune St, Burnley, BB11 1SF

Ireland: NEXUS N2 Business Park, Carrickmacross, Monaghan, A81 XK73

T: 01 282 421 489

E: info@activ8energies.co.uk