

The Net Zero Carbon Supplier Tool

Carbon Reduction Plan for Chiel Construction Ltd

We are declaring our commitment to Net Zero 2050.

This commitment covers our emissions from direct energy use, indirect energy use and transport but currently does not include emissions from refrigerant gas loss or any scope 3 activity. The calculation of our carbon footprint follows guidance within both the international Greenhouse Gas Protocol and the UK government guidance. The calculation is based on our best available information and will be regularly reviewed.

The carbon calculation for our organisation is: 63.95 tCO₂e.

Heating and Cooling

Your issues

1 We have ensured/will ensure HVAC systems are optimised
HVAC, or heating, ventilation and cooling, is a system that cleans your air and provides cool air or warm air depending on your climate needs. HVAC systems are installed by certified technicians and are valued for their energy saving principles. Optimisation and regular maintenance will ensure you can take advantage of the opportunities they present.

Your action plan

→ **Set up regular monitoring and leak testing for air conditioning systems** Completed
Regular servicing of your air conditioning system will increase efficiency, save money and reduce your carbon footprint.

Evidence

We service our air conditioning units every six months and perform regular maintenance to optimize their performance and enhance energy efficiency.

Ensure boilers and HVAC systems are regularly serviced Completed

Regular servicing will ensure your system is efficient and maximises the energy efficiency of your system.

Evidence

We ensure optimal performance and energy efficiency of our air conditioning system through regular maintenance. Every six months, a certified technician services the unit, and we conduct a comprehensive energy inspection every five years.

Set up manual heating control systems Completed

Manual heating control systems will provide you with the flexibility to adjust the temperatures of your building in line with variable weather conditions.

Evidence

Our air conditioning system is manually controlled within our office. Staff are encouraged to use the control panel correctly. To assist with this, we have a laminated poster above the controls with guidance notes.

Resource Use

Your issues

Your action plan

1 We engage/will do more to engage our suppliers with sustainability

Engaging and influencing suppliers is a long term commitment. Having a clear plan and understanding where to start will help you move this forward. If you ask the question of suppliers to find out what they are doing and what they can do for you, you may be surprised by the results.

→ **Ask your waste provider to guarantee reducing the amount of waste to landfill** *In progress*

Waste providers can more often than not provide you with statistics on recycling rates and commitments to reduce waste to landfill. This can then be used to set targets or even look at other options.

Evidence

At our head office, we use Fortress Recycling, a carbon-neutral company. Onsite we utilize two main waste providers. Crown Waste Management boasts a 95% recycling rate and aims to achieve zero waste to landfills in the coming years. They are committed to driving positive change across the industry, ensuring cleaner, safer communities for future generations.

Ask suppliers to offer waste take back schemes *In progress*

Increasingly suppliers are offering take back schemes on packaging and waste. Start the conversation to see what the options are.

Evidence

All office stationery is purchased via Lyreco, which not only delivers our orders but also collects packaging for recycling. We return our printer cartridges to them, and they collect paper for shredding and recycling. Additionally, their deliveries and pick-ups are done using electric vans, supporting sustainability goals. For more information, you can visit their carbon reduction plan. <https://why.lyreco.com/blog/announ...> We are also part of the Dulux Decorator Centre Can Recycling Scheme.

Ask your suppliers to commit to being net zero *In progress*

As part of your journey to net zero there are opportunities to stimulate activity within your supply chain. This can be built into existing supplier engagement programmes or be added as part of a code of conduct. If you do ask for a commitment it is worth asking them as a minimum to share Scope 1 and Scope 2 reduction activities.

Evidence

In Progress

2 We want to reduce paper consumption

Reducing consumption of paper has long been on the agenda. If you have already made progress in this areas select this issue and share evidence of what you have done. If not select this issue and make the commitment.

→ **Use recycled paper across your business** *In progress*
Where you have to print, shift to use of recycled paper. The quality has improved over the years and you should publicise the fact that you are doing it.

Evidence

We are conducting a review with Lyreco to assess the cost of switching to recycled paper across our entire business.

Develop a commitment to becoming a paper free business *In progress*

A commitment to becoming paper free to can help transform working practices and is a transformational undertaking. Steps include, securing leadership sign off, carry out an initial review of paper usage and then carrying out the appropriate actions.

Evidence

In Progress.

Encourage a reduction in printing and photocopying *In progress*

Put a policy or a commitment in place to reduce printing and photocopying. It is a simple commitment which will save your business money

Evidence

In Progress.

3 We will ensure waste management is optimised on site

The chances are waste disposal costs will continue to increase. So starting to think about waste as a resource makes a lot of business sense. This is often called circular economy thinking. More information on this can be found on the Ellen MacArthur Foundation website.



Undertake a waste review and explore opportunities to reuse the resource *In progress*

A systematic review of the waste you produce can help identify re-use opportunities. Viewing waste as a resource can help generate income opportunities and lead to savings in waste disposal costs.

Evidence

After conducting an audit of our timber use, we have transitioned to exclusively using FSC and PEFC-certified timber products sourced from verified suppliers. Additionally, a limited audit of our waste removal companies revealed areas for improvement, prompting us to initiate the process of transitioning to a new supplier. Recognizing the importance of responsible sourcing across all materials, we are now commencing an investigation into our concrete and aggregate supply chains to ensure alignment with sustainable guidelines.

Improve bin signage *Completed*

Making it clear what goes where keeps it simple for everyone.

Evidence

We have implemented clear signage on-site to ensure that waste is disposed of correctly as part of our site setup.

Introduce internal and external segregated mixed recycling bins *In progress*

Whilst it seems like a simple action, this sends a clear message to staff on the importance of waste management.

Evidence

We have introduced internal and external segregated mixed recycling bins. These bins are strategically placed throughout our facilities to encourage our employees and visitors to separate recyclable materials from general waste.

Travel and Transport

Your issues

1 We are committed/will commit to reducing the impact of our fleet vehicles

Government policy is that all new cars and vans sold in the UK must be fully electric by 2035. The government is currently on course to ban the sale of new cars and vans powered entirely by petrol and diesel by 2030 and ban the sale of new hybrid vehicles by 2035. What this means is that it is good to start planning ahead. The rapidly increasing cost of fuels also means that looking at the carbon impact of your fleet also makes very good business sense.



Your action plan

Undertake a feasibility study of electrifying your fleet vehicles *In progress*

Take steps to understand what it would mean for your business to transition to electric vehicles. This would include things such as cost to the business, charging facilities, capital versus revenue costs. Taking a long term approach now will put you in a good position to reap the benefits in the long term.

Evidence

At our head office, we've installed electric charging points, and we're currently in discussions with two local car companies to obtain quotes for an additional electric van. Once we gather the necessary figures, we'll assess the feasibility of transitioning some of our fleet vehicles. In line with our commitment to sustainability, we actively encourage the use of company bicycles for traveling between sites on campus. Additionally, we facilitate vehicle sharing among operatives when appropriate to reduce the number of vehicles traveling to site. Furthermore, we maintain a fleet of modern vehicles to date to minimize emissions and uphold our environmental responsibilities.

Develop a plan to move to electric vehicles for your fleet *In progress*

If you have already been thinking about a move to electric vehicles why not develop a simple plan highlighting how and when you plan to make the switch. This will need to include things like charging facilities and travel planning.

Evidence

At our head office, we have installed electric charging points to support our commitment to sustainability. Additionally, we have incorporated two electric vehicles into our fleet and encourage employees to utilize the charging facilities for their electric vehicles. As part of our ongoing sustainability efforts, we conduct annual reviews of our fleet vehicles during MOT and service intervals, exploring opportunities to transition to electric vehicles wherever feasible.

2 We commit/will commit to reducing the impact of our business travel

Understanding and planning to reduce business travel is an easy way to save time, money and carbon. We are not suggesting that people never travel but better planning and understanding why, when and how people travel can have a real positive impact on your business bottom line and carbon footprint.

→ **Set a target to reduce business travel** *In progress*

Understanding your baseline and setting targets to reduce business travel can help motivate and help you calculate the carbon and financial savings.

Evidence

Our Managing Director sets a great example by commuting to local sites in an electric vehicle and opting for train travel to commute to Birmingham once a month. Additionally, we have a number of staff members engaged in hybrid working arrangements, further reducing the environmental impact of commuting.

Develop a travel policy which reduces your carbon footprint *In progress*

Develop a simple [travel policy](#) to help you commit and communicate your intent to staff and stakeholders.

Evidence

We actively encourage the use of company bicycles for traveling between sites on campus. Additionally, we arrange vehicle sharing for operatives when appropriate to minimize the number of vehicles traveling to site. Through these efforts, we aim to reduce emissions and promote eco-friendly commuting options among our staff.

Reduce the impact of your travel by implementing the sustainable travel hierarchy *In progress*

The [sustainable travel hierarchy](#) is a useful tool to help you think about improving the impact of your journeys. The higher up the hierarchy, the more sustainable and greener the travel option.

Evidence

In Progress

3 We have explored/will explore opportunities related to remote working

One of the impacts of Covid has been the increase in frequency of home working. However, many businesses are finding positive benefits in terms of efficiency, staff satisfaction and some financial savings. Whilst experiences have of course been mixed there are also carbon savings to be made by having a clear commitment and plan to get the most out of home working opportunities.

→ **Review your software requirements to increase agile working** *In progress*

Ensuring home working software and office packages are compatible is important to ensure communication is safe and efficient. Staff feeling comfortable working from home can reduce the need for commuting and make them more productive.

Evidence

Our IT provider ensures the security and efficiency of our systems by conducting regular software updates. Additionally, we prioritize the health and well-being of our staff by annually requesting completion of a DSE (Display Screen Equipment) workstation self-assessment checklist. This proactive approach helps ensure that all employees, whether office-based or hybrid, have ergonomic workstations that promote comfort and productivity.

Identify ways to support and manage remote workers *In progress*

Whilst the carbon savings of home working are clear for your business. [Home working](#) needs to be managed effectively. This includes both physical and mental wellbeing.

Evidence

We embrace hybrid working arrangements, with many of our staff opting to work remotely part of the time while coming into the office 1-2 times a week. We prioritize mental health support by providing access to our two qualified mental health first aiders for all staff. This ensures that our team members feel supported and have resources available to discuss any mental health issues they may encounter.

Increase the use of video conferencing software *In progress*

Ensuring staff have the most appropriate tools available is important. Deciding on the best package for the business and ensuring online security is considered can help improve the home working experience.

Evidence

As a business, we prioritize virtual meetings via video conferencing whenever possible, unless onsite presence is necessary for client meetings. To safeguard the security of our online interactions, our IT providers conduct regular reviews of our meeting platforms. Additionally, we recently invested in headsets for our staff to enhance the quality of their video conferencing experiences and facilitate clear communication.

4 We support/will support our employees with sustainable commuting options
 Staff commuting has both cost and carbon impacts. Encouraging sustainable travel options demonstrates clearly to staff and stakeholders your commitment to achieving net zero

→ **Set up electric vehicle charging points for staff** *Completed*
 Setting up electric vehicle charging points for staff will help encourage more sustainable travel options.

Evidence
 At our head office, we have installed six electric charging points to support the charging needs of both our employees' electric vehicles and those within our fleet.

Introduce a cycle to work voucher scheme *In progress*
 For some staff cycling to work may be an option. The government approved [Bike2 work scheme](#) is a good place to start.

Evidence
 In Progress, in 2013 we claimed for two bikes for our Chiel Staff to utilize on this scheme. We are in the process of reviewing this and offering to staff who would be interested in this scheme.

Energy Management

Your issues

1 We have committed to/will explore purchasing renewable energy
 Committing to renewable energy can make a big difference in your pathway to net zero. Speak to your energy provider about switching to a renewable energy tariff.

Your action plan

→ **We are committed to switching to a 100% renewable energy tariff** *In progress*
 Change to a certified 100% Renewable Green Energy Tariff

Evidence
 We are currently with EDF Energy on a fixed 2 year contract, once this is due for renewal we will look at 100% renewable energy tariffs.
<https://www.edfenergy.com/large-business/buy-energy/energy-sources>

We already purchase 100% renewable energy *In progress*
 Ensure existing renewable tariffs are backed up by a valid [REGO certificate](#) by your energy supplier. A REGO, or Renewable Energy Guarantee of Origin scheme provides complete transparency to customers about the proportion of electricity in the National Grid that is supplied by renewable sources

Evidence
 In Progress

2 We have explored/ will explore installing renewables on site
 Utilising renewables has numerous benefits including reducing emissions and contributing to the delivery of your carbon plan.

→ **Invest in solar PVs for your buildings** *Completed*
 Speak to a specialist who can advise the feasibility of [photovoltaics](#) being added to your building

Evidence
 We have taken significant steps to reduce our environmental footprint at our office building. This includes the installation of 68 solar panels to harness renewable energy. We have upgraded our lighting system to energy-efficient LED lighting to reduce consumption. Furthermore, we have implemented a battery storage facility to optimize energy usage and minimize waste.

3 We have optimised/will optimise energy efficiency across equipment
 Looking at how you use equipment on site and reviewing your future purchases of equipment will save energy and money.

→ **We will optimise energy efficiency across equipment and processes** *In progress*
 Implement a policy to purchase energy efficient equipment. This can save you money off your bottom line.

Evidence
 In progress.

Review your IT systems and server rooms to identify ways to reduce energy consumption *Completed*
 The carbon footprint of our gadgets, the internet and the systems supporting them account for about 3.7% of global greenhouse emissions, according to some estimates. Undertaking a thorough review of your requirements and looking for energy efficient alternatives can have a significant impact.

Evidence
 Our IT provider, Serenus IT, recently conducted an audit on our OneDrive and successfully archived any documents onto a SharePoint link.

We have optimised energy efficiency across equipment and processes *In progress*
Please explain what measures have been installed to improve energy efficiency.

Evidence

Onsite when we review equipment upgrades, we invest in energy-efficient equipment and machinery if feasible and come with energy star certified. We ensure our maintenance and calibration is checked and kept up to date. Onsite we now use Eco-Cabin onsite now, which runs on hybrid power and has a unique water WC system reducing fuel emissions on a daily basis by on average 90%. Resources, where possible we source materials from local suppliers and reduce deliveries to site through management control. Re-using Materials & Material Composition Aggregates and Cement. On a recent project we re-used the cladding we had removed. We were also able to re-use Aggregates we had dug up for a local Farmer to use for his driveway. Onsite teams all use the same printers, ink and are familiar with their usage to reduce waste of time and resources. At head office we are reviewing our office equipment, if due to be renewed we are gathering quotes from our suppliers for Energy Efficient Models.

Commitments and Engagement

Your issues

1 We have made/are ready to make a commitment to reduce our carbon emissions

When delivering a carbon reduction plan it is essential that a net zero carbon target is in place with a target date. NTU has committed to being net zero by 2040, however, the UK government has plans for 2050.



Your action plan

Commit to achieving net zero carbon emissions *In progress*

When committing to achieving net zero carbon please include the target year to achieve this by. The term net zero means achieving a balance between the carbon emitted into the atmosphere and the carbon removed from it and includes a commitment to reduce emissions as much as possible. This balance – or net zero – will happen when the amount of carbon we add to the atmosphere is no more than the amount removed. Is the target externally verified? e.g. SBTi. Please add a link to your plan in the evidence box.

Evidence

In progress.

Commit to achieving carbon neutrality *In progress*

When committing to achieving carbon neutrality please include the target year to achieve this by. The term carbon neutral means not adding new emissions in to the atmosphere, where emissions continue they must be offset. Although not a substitute for net zero, carbon neutrality can be attained whilst working towards net zero. Is the target externally verified? e.g. PAS2060. Are the offsets verified as carbon removal and verified to an internationally recognised standard? e.g. Gold Standard or Woodland Carbon Code. Please add a link to your plan in the evidence box.

Evidence

In progress

2 We will commit to monitoring and managing our sustainability commitments

Plans do not deliver themselves. To avoid the 'implementation gap' ensure your have a clear structure for managing your commitments. Make sure this includes regular reporting and review.



Set up a process to manage and monitor your progress towards carbon reduction *In progress*

Governance is important as it allows you to demonstrate progress and effectively manage your implementation.

Evidence

We have created a road map for our carbon reduction plan, which is publicly available on our website at www.chielcon.co.uk. We commit to annually collecting data on scope 1, 2, and 3 emissions to track our progress.

Appoint a lead to drive the delivery of carbon reduction *Completed*

Carbon reduction commitments work better what there is a named person responsible for moving things forward. It is important that the lead person is supported by a member of the senior leadership team.

Evidence

Katie Harris, Administration Manager, has been appointed to lead the development of carbon reduction plans and scope for the upcoming years.

Commit to reporting progress on your carbon reduction journey annually *In progress*

Transparent reporting on progress will become increasingly important as you reduce your carbon impact. In many cases it is required by the public sector.

Evidence

We are in the progress of collating data for scope 1, 2 & 3. Our base year is 2016, and will soon be able to share our findings.

3 We will improve engagement with employees on sustainability issues and principles

Staff engagement will make the difference to how quickly and easily your carbon commitments are delivered. Take the time to plan a long term engagement plan over the lifetime of your carbon action plan.

→

Offer carbon literacy training across your business *In progress*

Helping people understand the basics of climate change and how they can contribute to reducing the carbon emissions of the business by offering **carbon literacy training** will help you achieve your stated targets

Evidence

In Progress

Include carbon reduction commitments in employee objectives *In progress*

Linking your carbon commitments to the performance objectives of staff will ensure that carbon reduction is brought to life throughout the organisation.

Evidence

We now include a page on Greener Habits in the workplace in our monthly newsletters to all staff. This initiative aims to raise awareness and encourage environmentally friendly practices among our team members.

Include sustainability awareness in employee inductions *In progress*

Introducing new staff to your sustainability and carbon reduction commitments through inductions will ensure that they understand the commitments you have made and they can actively contribute.

Evidence

In Progress, our HR department is working on adding sustainability awareness to our inductions for new starters.

4 We will improve engagement with key stakeholders on sustainability issues and best practice

There are numerous stakeholders who will be interested in your commitments and action; clients, customers, business partners and suppliers. Take the time to prioritise who need to be informed.

→

Share your carbon reduction action plan with current and potential clients *In progress*

Telling people what you are doing, can build confidence amongst your clients and stakeholders that you are committed to action. It can also help you win contracts.

Evidence

Added to our website: <https://www.chielcon.co.uk>

Join local networks focussing on delivering carbon reduction *In progress*

Engaging with other business who are on the same journey is a great way to get ideas and learn from others. The only cost is often a little bit of time and it can really help build your confidence to move things forward.

Evidence

We are members of the Coventry & Warwickshire Green Business Network. We are also attending webinars from providers such as CITB, FMB, and Supply Chain Sustainability school.

Publish your commitment to carbon reduction on your website *Completed*

Make it clear to everyone you are committed!

Evidence

Added to our website: <https://www.chielcon.co.uk>

5 We will calculate our scope 3 carbon footprint to understand the climate change impact of all of our activities
Scope 3 carbon emissions are emissions that are a consequence of your actions but are not within direct control e.g. emissions from staff commuting, water use, waste and procurement



Undertake a staff travel survey to understand emissions from employee commuting *In progress*

Understanding how **staff travel** to your business can help identify sustainability travel solutions

Evidence
In Progress

Calculate your carbon emissions from business travel *In progress*

Business travel is often a large source of carbon emissions for an organisation. By calculating your carbon footprint for business travel, you can identify your biggest sources of emissions and identify measures to make travel more sustainable.

Evidence
In Progress

Calculate your carbon emissions from water use *In progress*

Water is a finite and irreplaceable resource. By calculating your emissions from water and wastewater you can identify potential saving opportunities and monitor consumption.

Evidence
In Progress

Calculate your emissions from Home Working *In progress*

With **home working** becoming more commonplace in UK businesses, carbon conversion factors are now available to help you understand the carbon impact of flexible working policies.

Evidence
In Progress