

CARBON REDUCTION PLAN

FOR

ABtec Computer Solutions

Carbon Emissions Report – ABtec Computer Solutions

Table of Contents

1	Net Zero Commitment	3
2	Company Overview	4
3	Reporting Period	4
4	Organisational Boundary.....	4
5	Operational Scopes	4
6	Benchmark Year	4
7	Carbon Emissions Overview – 12 months to December 2022	5
8	Analysis by Scope	5
9	Intensity Metric Analysis January 2022 – December 2022	6
10	Emissions Reductions Targets	6
11	Carbon Reduction Projects.....	7
12	Emissions Data	8
13	Data Overview.....	9
14	Data Quality / Confidence	9
15	Offsets	9
16	Offset schemes (if appropriate)	9
17	Declaration & Sign Off	10
18	Glossary.....	11

Carbon Emissions Report – ABtec Computer Solutions

1 Net Zero Commitment

ABtec Computer Solutions recognises the importance of making a full and lasting commitment to reducing the greenhouse gas emissions from our activities, in support of the wider commitment of the world to limit global temperature increases and the impact on the planet.

We commit to the following:

1. For our company to achieve Net Zero in line with the Science Based targets set out by the UNFCCC i.e. to achieve Net Zero no later than 2050 and target a 50% reduction in emissions by 2030.
2. To set realistic short- and long-term targets that are designed to achieve our Net Zero commitments.
3. To report the total Greenhouse Gas emissions of our business, at a minimum, on an annual basis.

	Year
Commitment to be Net Zero	2050
50% Emissions Reduction	2030

Carbon Emissions Report – ABtec Computer Solutions

2 Company Overview

ABtec Computer Solutions is a Limited Company registered in England & Wales, company number 04368980, with a head office address of Unit 8, Armstrong Point Swan Lane, Hindley, Wigan, Lancashire, WN2 4AU, United Kingdom.

Year	January 2022 – December 2022
Industry	Telecommunications and other activities
No. of Staff	19
No. of Offices – Owned	0
No. of Offices - Leased	1
No. of Company Vehicles - Owned	0
No. of Company Vehicles - Leased	0

ABtec Computer Solutions are here to provide market leading IT support services, and have been doing since 1995. It's what we do and it's what we do well. Using the wonderful people around us, we provide local IT support, Hosted Telephony Support and Cyber Security Solutions to clients around the North West of England and beyond.

3 Reporting Period

January 2022 – December 2022

4 Organisational Boundary

This report has been constructed using the

- Operational Control Approach

5 Operational Scopes

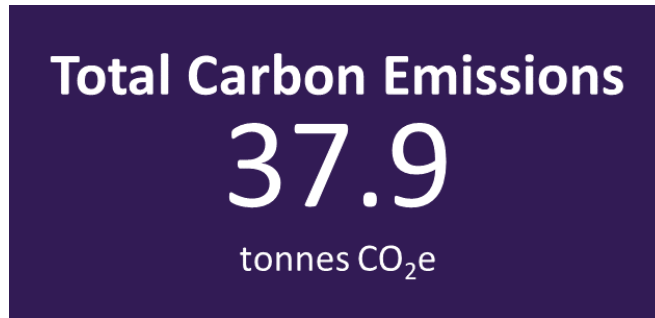
Emissions from Scope 1 & 2 have been measured along with certain Scope 3 emissions. The Scope 3 emissions that have been included are those that have been practical to measure with available data, which are as follows:

- Employee Commuting and Business Travel
- Transmission & Distribution

6 Benchmark Year

This is the first time the company has measured and reported on its carbon emissions and therefore this is the benchmark year, i.e., from **January 2022 to December 2022**. The benchmark data is available for the period January 2022 to December 2022.

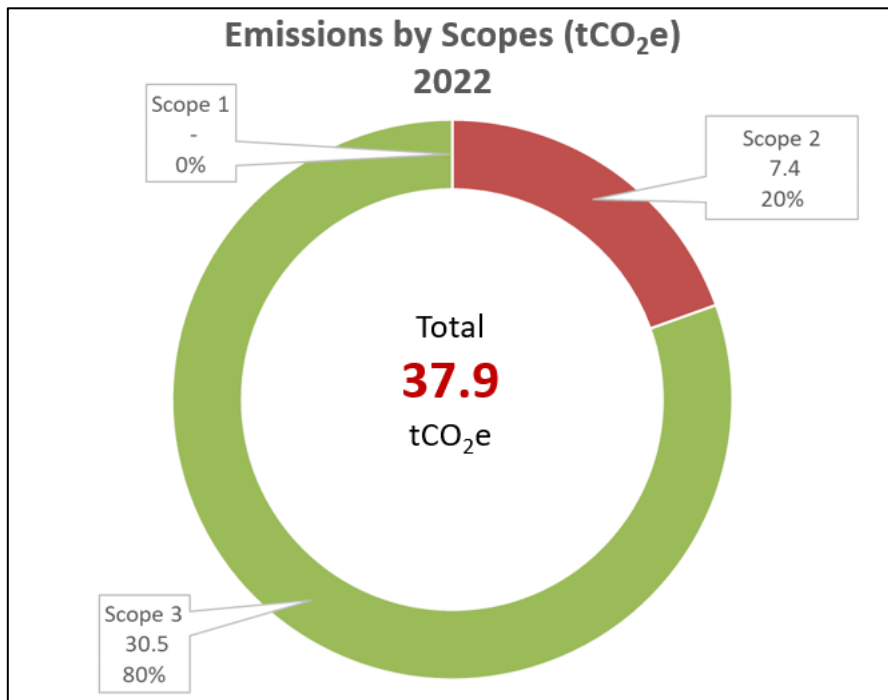
7 Carbon Emissions Overview – January to December 2022



The total calculated emissions for the business in 2022 are 37.9 tCO₂e. This is the first year the company has measured its carbon emissions. As such this is the benchmark year of the company with the breakdown of emissions analysed throughout this report.

The Company will aim to measure an increasing amount of Scope 3 emissions and is committed to improving their emissions across all scopes.

8 Analysis by Scope



There are no **Scope 1** emissions.

Scope 2 emissions accounts for **20%** of calculated emissions. This is the electricity used at the company’s leased office. Scope 2 emissions were estimated to be **7.4 tCO₂e** in this period. The office is not on a renewable tariff and the electricity usage has been estimated using 9 months of actual usage and the average usage per month for the remaining 3 months of the calendar year.

Scope 3 emissions accounts for **80%** of calculated emissions and includes employee commuting, business travel and transmission and distribution. Scope 3 emissions were **30.5 tCO₂e** in this period.

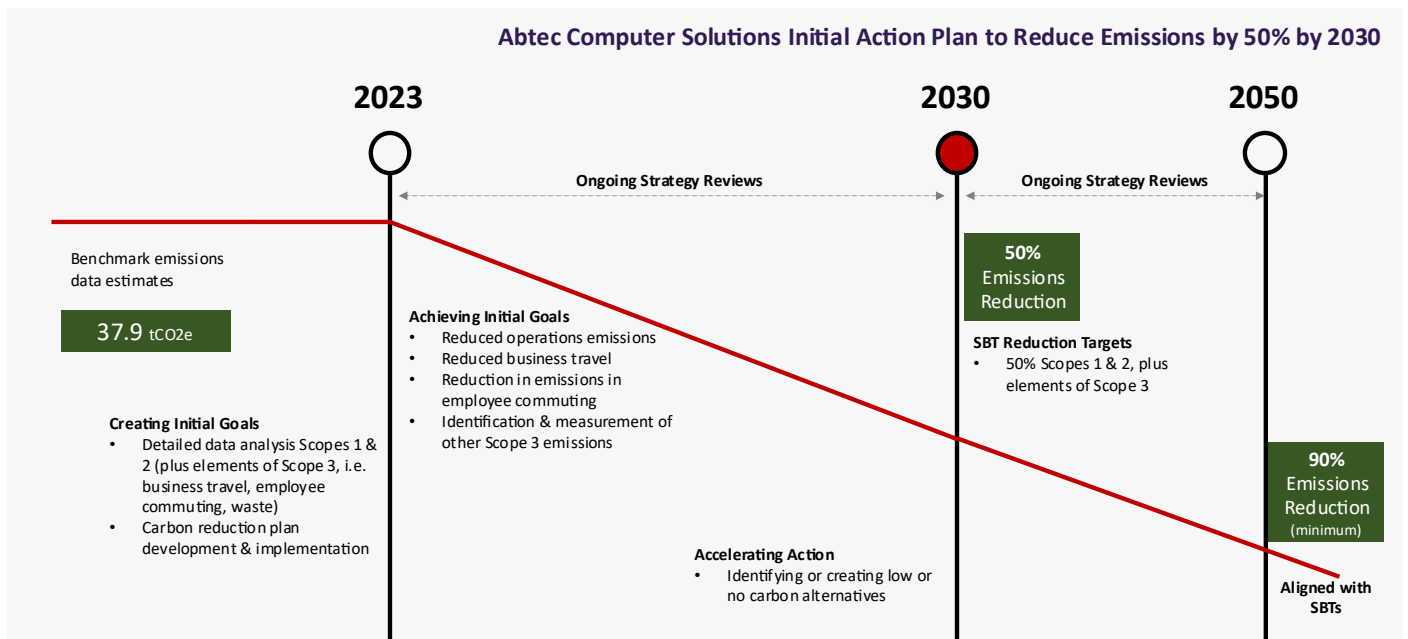
9 Intensity Metric Analysis January 2022 – December 2022



The chosen intensity metric is based on per employee and shows a carbon emissions value of 1.99 tCO₂e per employee. The business headcount averaged 19 people during the benchmark period.

10 Emissions Reductions Targets

The following graph summarises the carbon emissions reduction targets.



AMBITIONS

To become a Net Zero organisation in line with Science Based Targets

- Cut most of our emissions
- Balance any remaining emissions that cannot be eliminated with technology or other solutions

11 Carbon Reduction Projects

ABtec are passionate about supporting sustainability and reducing carbon emissions. We are situated on the UK's first Zero energy cost business park based in Hindley Green, Wigan ([A UK first at Armstrong Point - Premier Construction News](#)). The site has electricity solar panels on the roof and the hotel water supplied is partially heated by solar panels on the roof. In addition There is a rain water capture system to flush the toilets all enabling the business to use less carbon. As these are managed by the business park these measures have resulted in 5080 units of free electricity resulting in less electricity usage ((**approximately 14%**)).

In addition the solutions ABtec provide to customers enable them to reduce their carbon emissions. The solutions offered include remote working, enabling users to work from home reducing emissions associated with employee commuting. We also offer migrating servers to cloud reducing energy consumption of traditional servers in workplaces.

ABtec Computer Solutions will develop the following initiatives that will support the company's strategies to meet Science Based Targets:

- **Sustainable travel policy**

ABtec Computer Solutions would look to embed a sustainable travel policy in the next year. The aim of the policy is to encourage and educate staff to take lower carbon travel options such as public transport, cycling, walking or car sharing. This initiative will be done in line with the Employee Engagement process listed above as by educating our employees this will help them be more conscious about commuting and travel.

- **Employee engagement**

The aim of this initiative is to educate staff in quarterly sessions, educating staff explaining what Net Zero issues and how they can (staff) impact on our carbon emissions. By educating staff they will be more conscious about decisions that they make that can impact or reduce our carbon emissions.

- **Sustainable supplier policy**

ABtec Computer Solutions would furthermore embed and develop a sustainable procurement policy within the business to make sustainability a key consideration when purchasing key products and services. As well as evaluating price and quality from suppliers we would look to understand their commitment to sustainability including asking for their carbon reduction plan and their targets during the contractual duration and ask for reporting information on a annual basis.

- **Energy review and energy usage from Landlord**

ABtec Computer Solutions would look to work with the other tenants located in the building to suggest to the landlord to move to more renewable energy sources. Whilst this is not directly in our control we would look to influence where possible. We currently receive 5,080 units of "free" electricity each year as explained by the solar panels and water capture system.

- **Sustainable company car policy (electric car feasibility)**

Finally ABtec Computer Solutions are potentially looking to formalise a sustainable car policy and look where practical to suggest electric car as first choice. We already have 3 hybrid vehicles amongst our employees and there is a charge facility to plug into at our office.

We would estimate that by conducting these projects that our carbon emissions would reduce by an estimated **10%** in year 1 and then a minimum of **5%** year on year. This will then help us to achieve halving our carbon emissions by 2030.

Carbon Emissions Report – ABtec Computer Solutions

12 Emissions Data

The data contained in the table below represents total emissions calculated and is consistent with SECR requirements. All sources of emissions that have been measured are included in the totals below. Emissions from key activities are summarised in the previous sections.

	SECR Status	Current Reporting Year Jan 22–Dec 22
Energy consumption used to calculate emissions Electricity Scope 2 - UK & Offshore (kWh)	Mandatory	34,728
Energy consumption used to calculate emissions – Global, excluding UK & Offshore (kWh)	Mandatory	N/A
Basis of Energy reporting (Location or Market)		Market
% of total energy sourced from certified renewable sources		0%
Emissions associated with energy consumption - UK, Offshore & Global (tCO ₂ e)		7.4
Emissions from activities for which the company is responsible including combustion of fuel & operation of facilities - Scope 1 (tCO ₂ e)	Mandatory	0.0
Emissions from purchase of electricity, heat, steam and cooling purchased for own use - Scope 2 (tCO ₂ e)	Mandatory	7.4
Total Scope 1 & 2 Emissions (tCO₂e)	Mandatory	7.4
Emissions from upstream activities out of operational control - Scope 3 (tCO ₂ e)	Optional	30.5
Emissions from use of sold products and services out of operational control - Scope 3 (tCO ₂ e)	Optional	None included
Total Gross Scope 3 Emissions (tCO₂e)	Optional	30.5
Total Scope 1, 2 & 3 Emissions (tCO₂e)	Optional	37.9
Intensity ratio tCO ₂ e (gross Scope 1, 2 & 3) per employee	Optional	1.99
Carbon offsets (tCO ₂ e)	Optional	0.0
Total Annual Net Emissions (tCO₂e)	Optional	37.9

13 Data Overview

Data Details		2022		
Emission Type	Scope	Volume tCO2e	Data Source (2021-22)	Data Confidence
Energy				
Electricity	2	7.4	9 months of actual usage and 3 months forecast (based on average of the 9 month period).	Medium
Business Travel				
Car Diesel	3	2.3	Staff Survey	Medium
Car Petrol	3	8.1	Staff Survey	Medium
Car Hybrid	3	3	Staff Survey	Medium
Employee Commuting				
Car Diesel	3	2	Staff Survey	Medium
Car Petrol	3	12.7	Staff Survey	Medium
Car Hybrid	3	1.8	Staff Survey	Medium
Other Emissions Calculated				
Transmission & Distribution	3	0.6	Based on Electricity Usage	Medium
		37.9		

14 Data Quality / Confidence

The data used to generate this report has been collected from various sources from both within the company and using assumptions. These emissions have been converted to CO₂e using GHG Protocol and BEIS frameworks and conversion factors for the relevant period.

15 Offsets

As part of the commitment of ABtec Computer Solutions to target reductions in its GHG emissions and, ultimately, attain Net Zero the company will review and report all offsetting that it enters. All offsetting options will be considered and reported included, formally certificated schemes (e.g., Gold Standard) as well as more informal schemes. Where offsetting is done against informal schemes, details of the calculation logic will be reported.

16 Offset schemes (if appropriate)

Scheme Name	Details (including weblinks)
None	

Carbon Emissions Report – ABtec Computer Solutions

Declaration & Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard and uses the appropriate Government emission conversion factors for greenhouse gas company reporting.

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed on behalf of ABtec Computer Solutions

Name: Paul Harper

A handwritten signature in black ink that reads "P HARPER". The letters are in a cursive, slightly stylized font.

Position: **Director**

Carbon Emissions Report – ABtec Computer Solutions

17 Glossary

Benchmark Data	The chosen 12-month period that sets the calculated emissions that need to be mitigated and/or offset.
Carbon Reduction	Reduction in measured CO ₂ e emissions
Carbon Reduction Plan	Plan to reduce CO ₂ e emissions over a period of time, updated annually
Carbon Emissions (Gross)	CO ₂ e emissions from Company activities
Carbon Emissions (Net)	CO ₂ e emissions from Company activities minus verified carbon offsets the Company purchases
Carbon Neutral	When emissions are fully offset including those emissions that could be mitigated.
Carbon Offsets	A removal or reduction of carbon emissions through a verified scheme.
CO₂e	All greenhouse gases expressed in terms of Carbon Dioxide equivalent (CO ₂ e) for consistency of reporting.
GHG Protocol	Greenhouse Gas Protocol https://ghgprotocol.org/
Greenhouse Gases	Carbon Dioxide (CO ₂), Methane (CH ₄), Nitrous Oxide (N ₂ O), Chlorofluorocarbons (CFCs and HCFCs), Hydrofluorocarbons (HFCs), Perfluorocarbons (PFCs), Sulphur Hexafluoride (SF ₆)
Greenhouse Gas Conversion Factors	Annually published conversion factors normally published by relevant government departments. Converts activity into CO ₂ e emissions.
Greenhouse Gas Emissions (GHG)	Gases in the atmosphere that absorb and radiate heat
Intensity Metric/Ratio	A metric that measures carbon emissions per relevant unit of activity in a business.
Market Reporting v Location Reporting	Market is based on specific tariffs. Location is based on the country from which you are reporting.
Net Zero	GHG emissions are mitigated and those that cannot are offset
Renewable Tariff	An energy tariff that is 100% powered by renewable energy and is certified.
SBT	Science Based Targets – reducing emissions by 50% by 2030 and by 90% by 2050 and offsetting the remaining amount.
Scope 1	The fuels that are burnt (gas, transport the company owns, refrigerant gasses)
Scope 2	The energy that is bought (electricity from the grid, purchased heat)
Scope 3	Emissions embedded in everything a company buys and emitted as a consequence of everything a company sells.
SECR	Streamlined Energy & Carbon Reporting
tCO₂e	Metric tonnes of CO ₂ equivalent emitted.
WBCSD	World Business Council for Sustainable Development https://www.wbcsd.org/
WRI	World Resource Institute https://www.wri.org/