



JC Computer Technologies Ltd

CARBON REDUCTION PLAN

Introduction

JC Computer Technologies Ltd, founded with humble beginnings on a kitchen table, has grown into a reputable provider of ICT support services. Our journey, marked by unwavering commitment to customer satisfaction and ethical business practices, now enters a crucial phase as we commit to achieving Net Zero carbon emissions by 2045. This Carbon Reduction Plan outlines our baseline emissions for the year 2023 and our strategies to progressively reduce our carbon footprint.

Company Overview

- **Name:** JC Computer Technologies Ltd
- **Location:** Ketteringham Hall, UK
- **Founded:** Initially started as a part-time venture
- **Primary Services:** ICT support for private customers and schools, including a long-term contract with Suffolk County Council
- **Team:** Small, family-run business with a focus on staff well-being and professional development

Baseline Year: January - December 2023

To set a foundation for our Carbon Reduction Plan, we have conducted an emissions inventory for the year 2023. This includes all relevant sources of greenhouse gas (GHG) emissions from our operations.

Emissions Inventory (2023)

Scope 1: Direct Emissions

- **Office Heating:** Use of oil and any other fuels for heating the office space.
- **Company Vehicles:** Emissions from any company-owned vehicles used for deliveries and staff travel.



Scope 2: Indirect Emissions

- **Electricity Consumption:** Emissions from the electricity used in our office at Ketteringham Hall.

Scope 3: Other Indirect Emissions

- **Purchased Goods and Services:** Emissions from the production and transportation of ICT equipment we sell and use.
- **Business Travel:** Emissions from staff travel using public transportation or personal vehicles for business purposes.
- **Employee Commuting:** Emissions from staff commuting to and from work.
- **Waste Generation:** Emissions from waste produced in our operations and its disposal.
- **Customer Deliveries:** Emissions associated with the logistics of delivering products to customers.

Emission Reduction Targets

- **Short-term (2025):** Reduce total emissions by 15% from the 2023 baseline.
- **Mid-term (2030):** Achieve a 40% reduction in total emissions from the 2023 baseline.
- **Long-term (2045):** Achieve Net Zero carbon emissions.

Strategies for Emission Reduction

Energy Efficiency

- **Office Heating:** Upgrade to energy-efficient heating systems and improve insulation to reduce energy consumption.
- **Electricity:** Transition to 100% renewable energy sources for electricity. Implement energy-saving practices and install energy-efficient lighting and appliances.

Transportation

- **Company Vehicles:** Gradually transition to electric or hybrid vehicles for company use.
- **Business Travel:** Encourage virtual meetings to reduce the need for travel. Promote the use of public transportation and carpooling among staff.

Waste Management

- **Reduce, Reuse, Recycle:** Implement a robust waste management system focusing on reducing waste, promoting reuse, and enhancing recycling efforts.
- **Electronic Waste:** Partner with certified e-waste recyclers to ensure responsible disposal and recycling of electronic equipment.



Supply Chain and Customer Deliveries

- **Sustainable Sourcing:** Work with suppliers to source environmentally friendly products and materials.
- **Efficient Logistics:** Optimise delivery routes and consolidate shipments to reduce emissions from customer deliveries.

Employee Engagement

- **Awareness and Training:** Conduct regular training sessions to educate staff on sustainable practices and the importance of carbon reduction.
- **Incentives:** Provide incentives for employees who actively contribute to reducing their carbon footprint, such as biking to work or using public transportation.

Monitoring and Reporting

- **Annual Reviews:** Conduct annual reviews of our emissions and progress towards our targets.
- **Continuous Improvement:** Update the Carbon Reduction Plan annually to incorporate new technologies, practices, and data for more accurate reporting and enhanced strategies.

Conclusion

JC Computer Technologies Ltd is committed to a sustainable future. By taking actionable steps and involving our staff and stakeholders, we aim to significantly reduce our carbon emissions and achieve Net Zero by 2045. This plan will be reviewed and updated annually to ensure we are on track and making continuous progress towards our goal.

Contact Information

- **JC Computer Technologies Ltd**
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We invite all stakeholders to join us on this journey towards sustainability and to provide their support and feedback to help us achieve our Net Zero target.



Baseline Year Jan – Dec 2023

Scope – 1

Given our constrained business operations and processes, and the absence of any owned vehicles, JC Computer Technologies Ltd registers zero emissions within scope 1. Nevertheless, we maintain a vigilant stance, committed to promptly reporting any emissions should our circumstances evolve in the future.

Scope – 2

Head Office – Energy consumption – 1.4945 tCO₂e

Total – 1.4945 tCO₂e

Scope – 3

Water – 3.9314 tCO₂e

Business Travel Land – 55.545 tCO₂e

Work From Home – 4.6623 tCO₂e

Upstream Emissions (Category 4: Upstream transportation and distribution):

Given the inherent nature of our business, our emissions in Category 4 (upstream transportation and distribution) are 0.

Downstream Emissions (Category 9: Downstream transportation and distribution):

Given the inherent nature of our business, our emissions in Category 9 (downstream transportation and distribution) are 0.

Total – 64.1387 tCO₂e



Submission Year Jan – Dec 2023

Scope – 1

Given our constrained business operations and processes, and the absence of any owned vehicles, JC Computer Technologies Ltd registers zero emissions within scope 1. Nevertheless, we maintain a vigilant stance, committed to promptly reporting any emissions should our circumstances evolve in the future.

Scope – 2

Head Office – Energy consumption – 1.4945 tCO₂e

Total – 1.4945 tCO₂e

Scope – 3

Water – 3.9314 tCO₂e

Business Travel Land – 55.545 tCO₂e

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Given the inherent nature of our business, our emissions in Category 9 (downstream transportation and distribution) are 0.

Total – 64.1387 tCO₂e



Declaration and 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 standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

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) Standard³.

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

Signed on behalf of *JC Computer Technologies Ltd:*

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Date:20th August 2024.....

¹<https://ghgprotocol.org/corporate-standard>

²<https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³<https://ghgprotocol.org/standards/scope-3-standard>