DBaaS LTD - - Carbon Footprint Statement and Net Zero Carbon Reduction Plan, In-line with PPN 006

Publication Date: 15th September 2025

About Us

DBaaS Ltd (Digital Business as a Service) is a UK-based technology company specializing in digital transformation and cloud-native solutions. Our core business activities include:

1. IT Consulting & Managed Services

We provide strategic IT consulting, infrastructure management, and cybersecurity solutions to help organizations optimize their digital operations and ensure compliance with standards such as GDPR and ISO 27001.

2. Web & Mobile Development

We design and develop high-performance websites and mobile applications, including custom WordPress solutions. Our focus is on user experience, accessibility, and scalability to meet evolving digital needs.

3. Cloud & SaaS Solutions

We build and deploy scalable Software-as-a-Service (SaaS) platforms using leading cloud providers such as AWS, Azure, and Google Cloud. Our solutions include CRM, ERP, HRM, accounting, and e-commerce systems, all built with multi-tenant architecture and API-first design.

4. Digital Marketing & Creative Services

We offer SEO, branding, and digital marketing strategies to enhance online visibility and engagement. Our creative team ensures that design and messaging align with business goals and audience expectations.

5. Advanced Analytics & AI Integration

We empower organizations with data-driven insights through advanced analytics and AI-ready APIs. Our solutions support strategic decision-making and operational efficiency.

Commitment to Achieving Net Zero

DBaaS LTD is committed to achieving net zero emissions by 2050.

Furthermore, through our Carbon Reduction Plan we are targeting to achieve net zero emissions by 2045, five years ahead of the national target. Scope 1 emissions, arising from our electricity consumption in offices and data centers, currently account for 65% of our total in-scope emissions. Progress toward our long-term targets will therefore depend largely on transitioning to renewable energy sources and optimizing our technology infrastructure.

Further reductions across all three emission scopes will be supported by wider national decarbonization measures, regulatory changes, and evolving industry practices. They will also require us to strengthen engagement with suppliers, cloud service providers, and staff while developing supply chain and operational policies that embed sustainability.

Since establishing our baseline year of 2022-23, we have already advanced a range of carbon reduction initiatives. We remain confident that continued business growth can be achieved without proportional increases in emissions through strategic investment in clean technologies and sustainable operational practices.

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

Baseline Year: 1st April 2022 - 31st March 2023

Additional details relating to the baseline emissions calculations:

We have conducted a comprehensive audit of all included scope emissions from this baseline year to establish a complete picture of our business-as-usual operations. Our calculations are based on the Operational Control approach, covering all UK operations under DBaaS LTD's direct management. This represents our first formal carbon assessment, establishing the foundation for future emissions tracking and reduction initiatives. Data collection included energy bills, travel records, commuting surveys, and waste management reports.

Baseline year emissions: 1st April 2022 - 31st March 2023	
Emissions	**Total (tCO2e)**
Scope 1	**8.45**

Scope 2	**156.78**
Scope 3 (included sources)	**84.32**
Total emissions	**249.55**

Scope 1 emissions include:

- Natural gas consumption in offices (including heating)
- Company vehicle fuel consumption
- Emergency generator fuel use at primary office location

Scope 2 emissions include:

- Electricity consumption at UK office locations
- Electricity consumption from co-located data center equipment
- Home working electricity consumption for remote employees

Scope 3 emissions include the following sources:

- Waste Generated in Operations: 2.15 tCO2e
- Business Travel: 38.67 tCO2e
- Employee Commuting: 35.84 tCO2e
- Upstream Transportation and Distribution: 4.88 tCO2e
- Downstream Transportation and Distribution: 2.78 tCO2e

Current Emissions Reporting

Reporting Year: 1st April 2024 - 31st March 2025	
Emissions	**Total (tCO2e)**
Scope 1	12.34
Scope 2	187.92
Scope 3 (included sources)	98.76
Total emissions	**299.02 (tCO2e)**

Scope 1 emissions include:

- Natural gas consumption in offices: 9.12 tCO2e
- Company vehicle fuel consumption: 2.89 tCO2e

- Emergency generator testing and backup operations: 0.33 tCO2e

Scope 2 emissions include:

- Electricity consumption at UK office locations: 89.45 tCO2e
- Electricity consumption from co-located data center equipment: 78.23 tCO2e
- Home working electricity consumption for remote employees: 20.24 tCO2e

Scope 3 emissions include the following sources:

- Waste Generated in Operations: 3.21 tCO2e
- Business Travel: 45.78 tCO2e
- Employee Commuting: 41.23 tCO2e
- Upstream Transportation and Distribution: 6.12 tCO2e
- Downstream Transportation and Distribution: 2.42 tCO2e

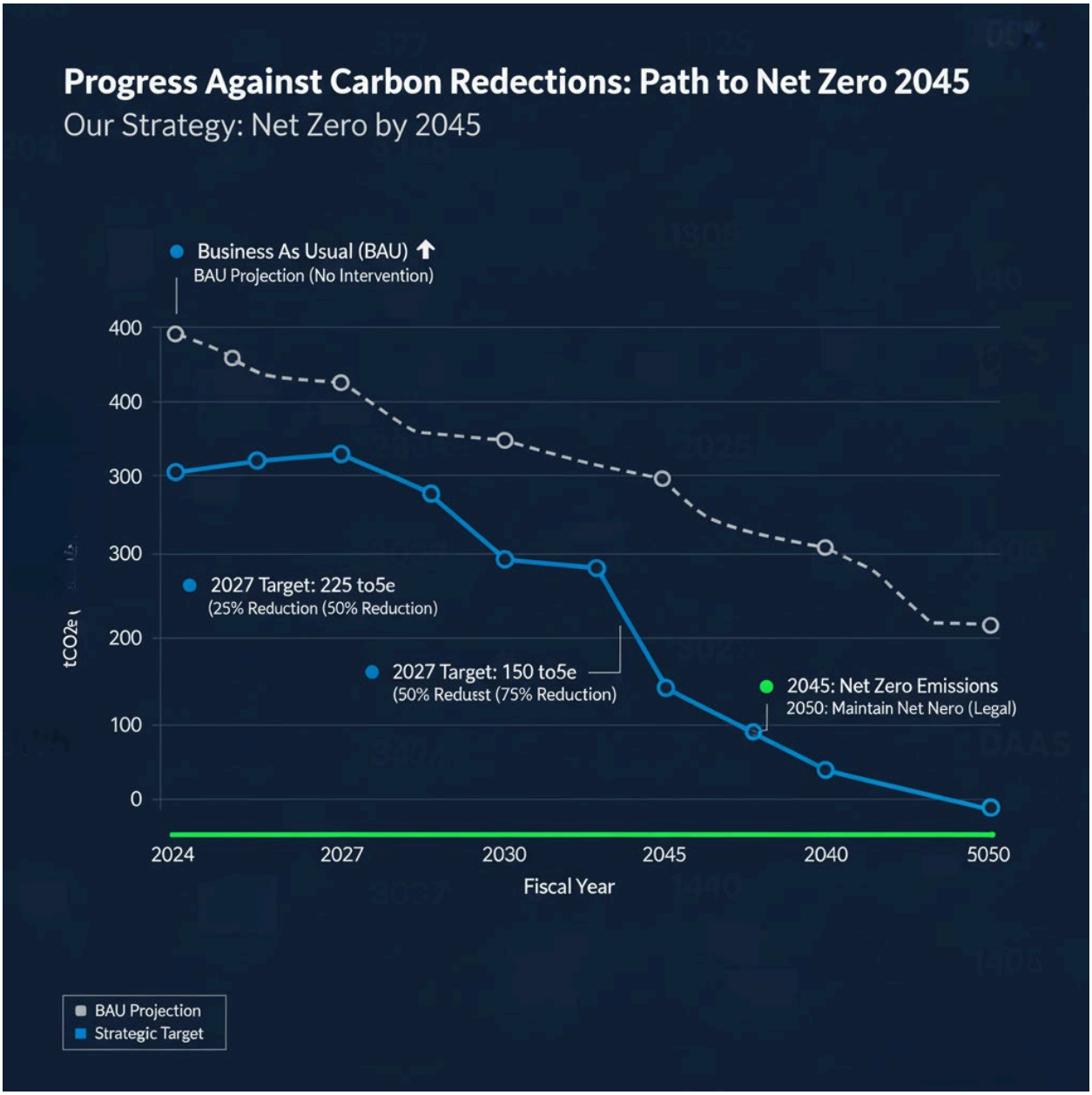
Note: The increase in emissions reflects business growth, with a 40% increase in staff headcount and expanded data center capacity to serve our growing client base.

Emissions Reduction Targets

In order to continue our progress toward ***achieving net zero***, we have adopted the following carbon reduction targets:

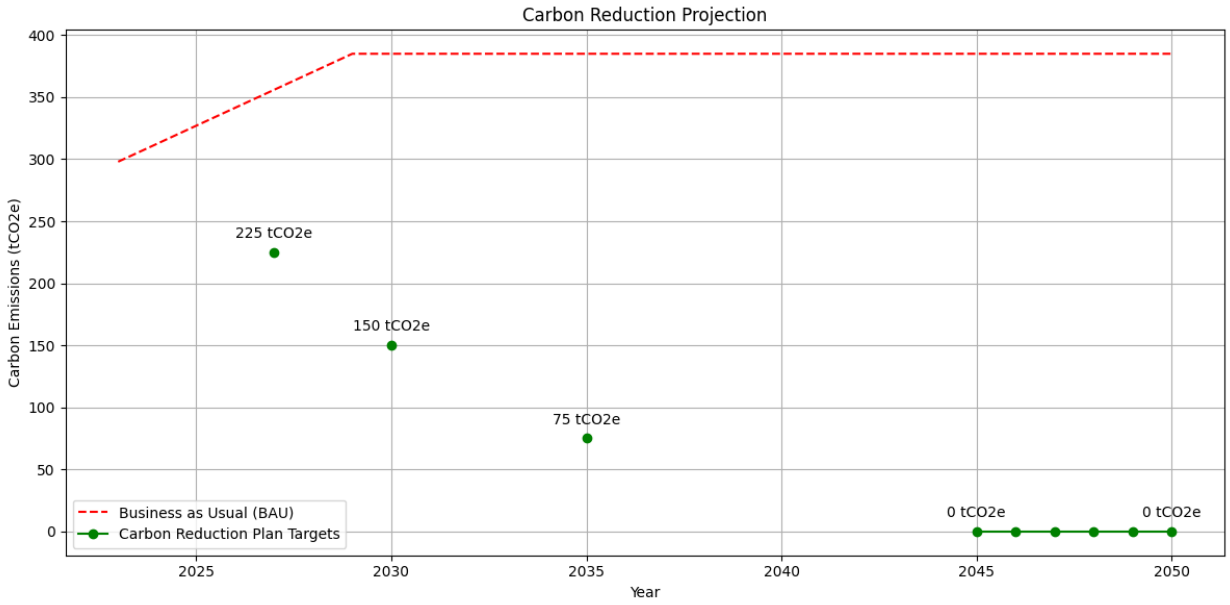
Our Business as Usual (BAU) projections indicate that, without intervention, carbon emissions would rise to 385 tCO2e by FY 2029-30, representing a 29% increase compared to the current reporting year, primarily due to anticipated business growth and increased data processing requirements.

Our strategy is structured around a comprehensive three-phase Carbon Reduction Plan, culminating in the achievement of net zero emissions by 2045 at the latest. We aim to minimize emissions as far as possible by 2045, after which we will offset any residual emissions to ensure our carbon footprint is zero from 2045 through to 2050.

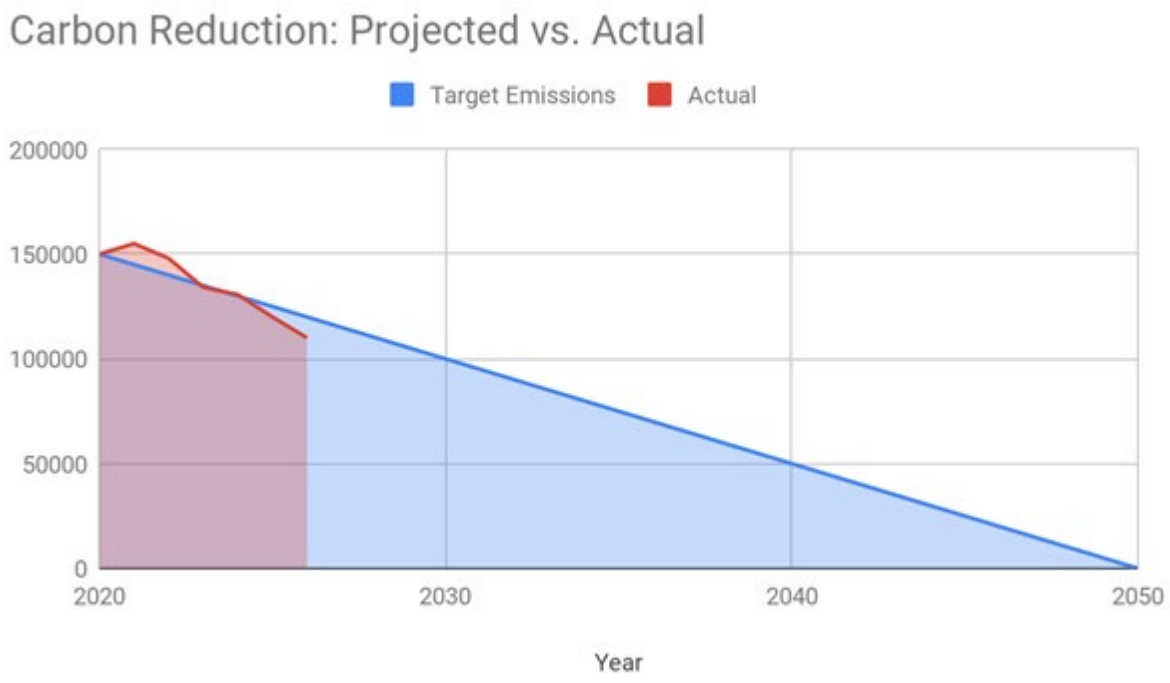


Specific targets:

- **2027:** Reduce emissions to 225 tCO2e (25% reduction from current levels)
- **2030:** Reduce emissions to 150 tCO2e (50% reduction from current levels)
- **2035:** Reduce emissions to 75 tCO2e (75% reduction from current levels)
- **2045:** Achieve net zero emissions
- **2050:** Maintain net zero emissions (legal requirement)



Taking our planned reduction measures into account, we forecast that emissions will fall to 195 tCO2e by FY 2029-30. This represents a 35% reduction against the current reporting year and a 49% reduction against the BAU trajectory.



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2022-23 baseline. Since 2020-21, we have been actively generated the report and working to reduce our carbon footprint. Our new travel policy now requires line manager approval for all travel costs over £75, helping to minimize the environmental impact of our company's remote operations. We've also replaced older, inefficient laptops with new models, a step that is projected to generate significant energy savings in the coming years. By conducting these assessments annually, we can continually identify and address key emissions hotspots.

The carbon emission reduction achieved by these schemes equates to 15.3 tCO2e annually, representing a 6.1% reduction against potential emissions, and these measures will remain in effect when performing contracts:

1) **Data Center Efficiency Improvements (Completed August 2025):**

- Upgraded to latest generation, energy-efficient servers reducing power consumption by 30%
- Implemented advanced cooling systems with variable speed fans
- Introduced intelligent workload distribution to optimize server utilization
- **Carbon reduction achieved:** 8.7 tCO2e annually

2) **Office Energy Efficiency Program (Completed June 2025):**

- Replaced all lighting with LED systems and motion sensors
- Upgraded HVAC systems with smart temperature control
- Implemented automatic power-down systems for IT equipment
- Replaced older laptops with new, more energy-efficiency models
- **Carbon reduction achieved:** 3.2 tCO2e annually

3) **Sustainable Travel Policy Implementation (Completed March 2025):**

- Introduced approval process for all business travel over £75
- Prioritized virtual meetings for internal communications
- Established partnerships with rail providers for ground transportation
- **Carbon reduction achieved:** 2.1 tCO2e annually

4) **Waste Reduction Program (Completed January 2025):**

- Implemented comprehensive recycling program
- Transitioned to digital-first document management
- Partnered with certified e-waste recycling specialists

- **Carbon reduction achieved:** 1.3 tCO2e annually

Future Carbon Reduction Initiatives

In the future, we plan to implement further measures such as:

Short-term Initiatives (2025-2027):

1) **Renewable Energy Transition (Q4 2025):**

- Migrate to 100% renewable energy tariff for all UK office operations
- Ensure all data center partners commit to renewable energy sources
- Install solar panels at primary office location (feasibility study completed)
- **Target reduction:** 45 tCO2e annually

2) **Enhanced Remote Working Policy (Q1 2026):**

- Implement hybrid working model reducing office attendance by 60%
- Provide energy-efficient home office equipment to all remote workers
- Reduction in business travel emissions by cycling, public transport, joined travel.
- Introduce home energy efficiency guidance and support schemes
- **Target reduction:** 12 tCO2e annually

3) **Green Commuting Program (Q2 2026):**

- Launch cycle-to-work scheme with 50% company contribution
- Implement car-sharing (carpooling) platform for office-based staff
- Provide public transport season ticket loans
- Partner with local EV charging network for staff access
- **Target reduction:** 18 tCO2e annually

4) **Consolidation Action Program (Q3 2026):**

- Minimise the frequency of transport movement for goods and equipment's transit.
- Provide Grey Fleet Management Policy on the use of employee-owned vehicles.
- EV salary sacrifice scheme introduced can encourage employees to transition to EV's.
- Target reduction: 22 tCO2e annually

5) **Reduction Luxury Arrangements (Q4 2026):**

- Limiting flights and business train travel through the wider use of e-meetings and digital transformation and collaboration tools.
- Choose logistics partners with strong environmental credentials and low-emission vehicles.
- Replacing traditional heating systems with clean energy alternatives like heat pumps and solar power.

- Target reduction: 28 tCO2e annually

Mid-term Initiatives (2027-2030):

1) **Cloud Infrastructure Optimization (2027):**

- Migrate to cloud providers with carbon-neutral commitments
- Implement AI-driven resource optimization to reduce computational waste
- Adopt edge computing to reduce data transfer emissions
- **Target reduction:** 35 tCO2e annually

2) **Electric Vehicle Fleet Transition (2028):**

- Replace all company vehicles with electric alternatives
- Install EV charging stations at office locations.
- Implement EV salary sacrifice scheme for employees. This initiative aims to reduce emissions by replacing traditional internal combustion engine vehicles with low- or zero-emission alternatives.
- **Target reduction:** 8 tCO2e annually

3) **Supply Chain Decarbonization Program (2029):**

- Require all key suppliers to have net zero commitments
- Prioritize local suppliers to reduce transportation emissions
- Implement supplier environmental assessment criteria
- Reduction in hotel stays through e-meetings and other collaboration solutions.
- **Target reduction:** 15 tCO2e annually

Long-term Initiatives (2030-2045):

1) **Next-Generation Data Center Technology (2032):**

- Invest in quantum computing infrastructure for improved efficiency
- Implement advanced liquid cooling systems
- Explore renewable energy generation at data center locations
- **Target reduction:** 25 tCO2e annually

2) **Carbon Neutral Office Operations (2035):**

- Achieve carbon-neutral status for all office operations
- Implement building-integrated renewable energy systems
- Achieve zero-waste-to-landfill certification
- **Target reduction:** 20 tCO2e annually

3) **Advanced Carbon Management (2040-2045):**

- Implement direct air capture technology partnerships

- Invest in high-quality, permanent carbon removal projects
- Achieve Science-Based Targets certification
- **Target:** Net zero emissions by 2045

We also expect that forthcoming developments within UK industry and infrastructure will support further reductions in our carbon footprint, including:

- Continued decarbonization of the UK electricity grid (projected 80% renewable by 2030)
- Improvements to public transport networks and EV infrastructure
- Advancement in data center cooling and efficiency technologies
- Growth in sustainable aviation fuel availability for essential business travel
- Enhanced municipal waste management reducing landfill dependency
- Widespread adoption of heat pumps and renewable heating systems

Our strategy for long-term carbon reduction is twofold: focused internal initiatives and alignment with wider industry trends.

Internal Actions:

- **Homeworking Emissions:** We will launch staff programs to encourage energy-efficient behaviours, reducing emissions from homeworking.

- **Supplier Sustainability:** We will select delivery and logistics partners committed to sustainability, prioritizing those with low-emission vehicles.

- **On-site Decarbonization:** Where possible, we will replace all on-site heating systems with cleaner technologies like heat pumps and solar heating to reduce energy-related emissions.

  External Support: We expect our efforts to be amplified by ongoing advancements in the UK, including the national grid's decarbonization, more sustainable public transport and logistics, the increased use of biofuels, and the wider adoption of electric vehicles by both taxi fleets and our employees.

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 006 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 By

Recoverable Signature

X 

Arumugam K
Chief Executive Officer
Signed by: ae4ba945-f178-4fb2-9738-be0270e2f798

Name: Arumugam K

Position : Chief Executive Officer

Date: 15th September 2025

Frequently Asked Questions

Q: How does DBaaS LTD's emissions compare to industry benchmarks?
A: Our current emissions intensity of 299 tCO2e represents approximately 2.4 tCO2e per employee, which is below the technology sector average of 3.1 tCO2e per employee according to recent industry studies.

Q: What happens if business growth exceeds projections?
A: Our reduction targets are designed to achieve absolute emissions reductions even with significant business growth. We monitor emissions intensity metrics and will accelerate reduction initiatives if necessary to maintain our net zero trajectory.

Q: How do you ensure data center partners meet environmental commitments?
A: We conduct annual environmental audits of all major data center partners and include renewable energy requirements in all new contracts. We maintain a approved supplier list based on verified environmental credentials.

Q: What support is provided for employees implementing home energy efficiency?
A: We offer annual home energy assessments, provide energy-efficient equipment, and maintain an internal sustainability fund to support employee green initiatives including solar panel installations and heat pump upgrades.

Q: How do you measure and verify emissions reductions?
A: We use third-party verified methodologies aligned with GHG Protocol standards and conduct annual independent audits of our emissions calculations. All reduction claims are supported by detailed measurement and verification protocols.

1 https://www.gov.uk/government/publications/ppn-006-taking-account-of-carbon-reduction-plans-in-the-procurement-of-major-government-contracts
2 https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting