

Carbon Reduction Plan Template

Supplier name: **Deutsche Telekom Global Business Solutions UK Limited**

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Commitment to achieving Net Zero

Deutsche Telekom Global Business Solutions UK Limited (DTGBS UK Ltd.) is committed to achieving Net Zero emissions by 2040.

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.

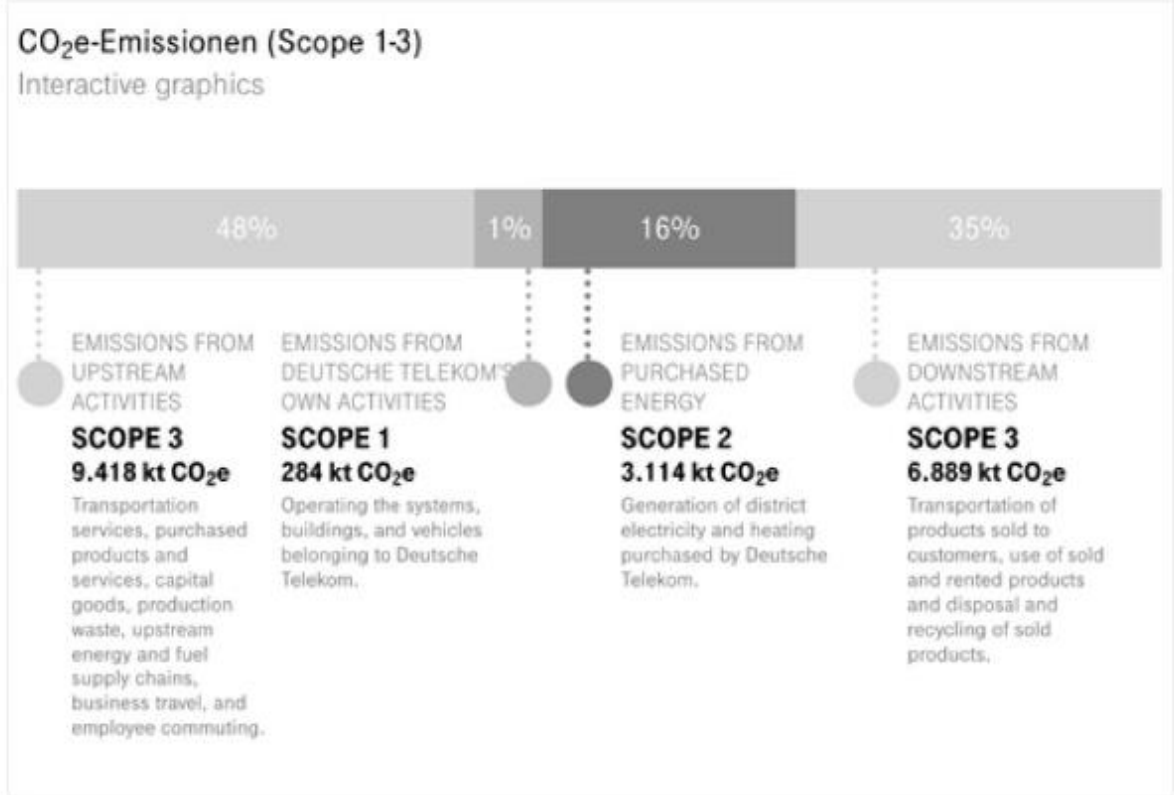
Baseline Year: 2017

Additional Details relating to the Baseline Emissions calculations.

Our new baseline was created in 2017 to reflect increases in reported CO₂ emissions due to business growth. Reporting from 2017 also includes Scope 3 emissions data. DT Parent company data.

Across the Deutsche Telekom (DT) Group, we measure our emissions along the value chain on the basis of the internationally recognised Green House Gas GHG protocol. This standard distinguishes between the three CO₂ emissions categories (Scope 1,2 and 3).

The figures below represent Baseline emissions for Deutsche Telekom Group, DTGBS UK LTD is a wholly owned subsidiary of the parent.



Baseline Year 2017 Emissions:

EMISSIONS	TOTAL (tCO ₂ e)
<p>Scope 1</p> <p>284 k tCO₂e</p> <p>Our Scope 1 emissions breakdown as follows:</p> <ul style="list-style-type: none"> - Direct emissions from fossil fuels 116 k tCO₂e - Direct emissions for vehicle fleet 168 k tCO₂e <p>Our target in 2017 was to reduce our Scope 1 emissions by up to 95 percent, with respect to their levels, by 2025, and to offset all remaining emissions, via suitable measures, in order to achieve climate neutrality in our operations.</p>	
<p>Scope 2</p> <p>3114 k tCO₂e</p> <p>Our Scope 2 emissions breakdown as follows:</p> <ul style="list-style-type: none"> - Direct emissions from electrical power: 3069 tCO₂e - Direct emissions from district heating 45 tCO₂e <p>Our target was to reduce our Scope 2 emissions by up to 95 percent, with respect to their 2017 levels, by 2025, and to offset all remaining</p>	

emissions, via suitable measures, in order to achieve climate neutrality in our operations.

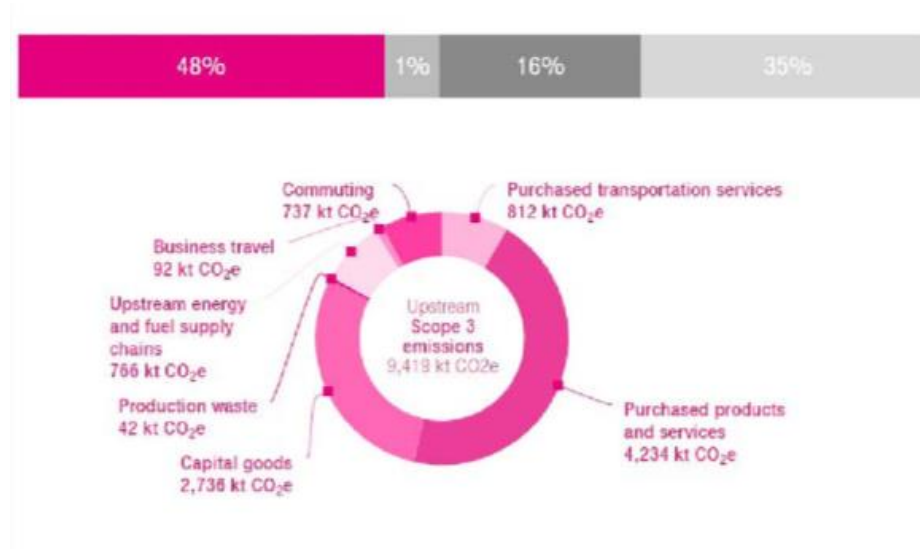
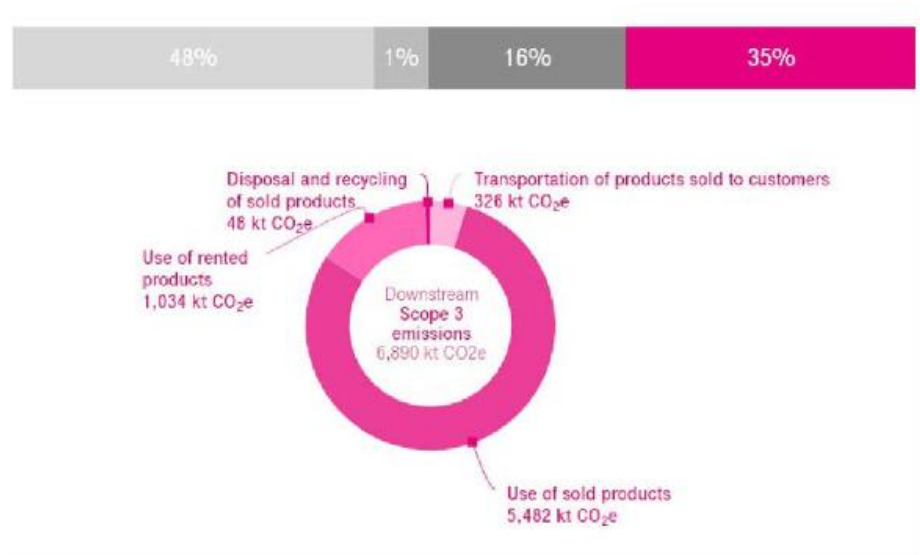
Scope 3
(Included Sources)

16,307 k tCO₂e

Our Scope 3 emissions breakdown as follows:

- (4) Upstream transportation and distribution: 812 k tCO₂e
- (5) Waste generated in operations: 42 k tCO₂e
- (6) Business travel: 92 k tCO₂e
- (7) Employee commuting: 737 k tCO₂e
- (9) Downstream transportation and distribution: 326 k tCO₂e

In detail, the graphs below display all the reported measures for Upstream and Downstream Scope 3 activities:



Total Emissions	19705 k tCO₂e
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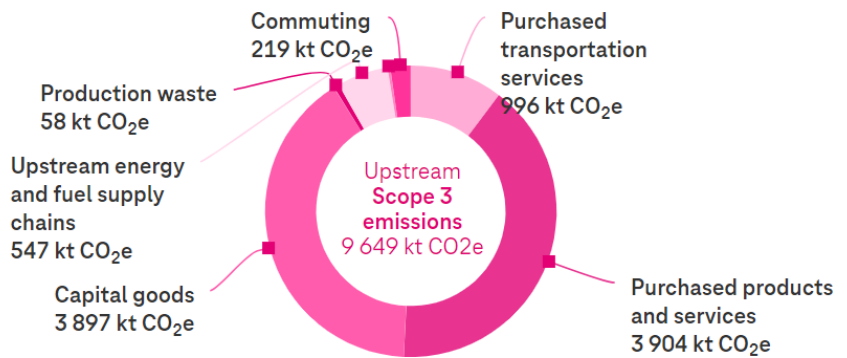
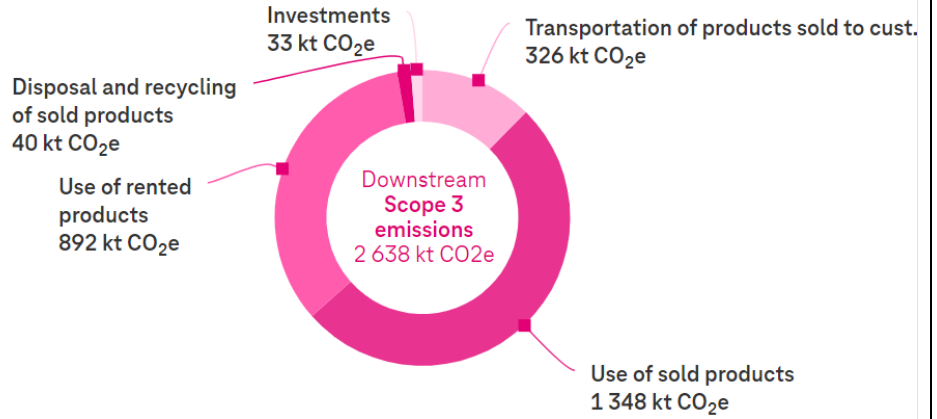
Current Emissions Reporting

Reporting Year: 2022

The figures below represent Baseline emissions for Deutsche Telekom Group, DTGBS UK LTD is a wholly owned subsidiary of the parent.

EMISSIONS	TOTAL (tCO₂e)
Scope 1	212 k tCO ₂ e Our Scope 1 emissions breakdown as follows: <ul style="list-style-type: none"> - Direct emissions from fossil fuels 90 k tCO₂e - Direct emissions for vehicle fleet 122 k tCO₂e
Scope 2	21 k tCO ₂ e Our Scope 2 emissions breakdown as follows: <ul style="list-style-type: none"> - Direct emissions from electrical power: 0 tCO₂e - Direct emissions from district heating 21 tCO₂e
Scope 3 (Included Sources)	12,287 k tCO ₂ e Our Scope 3 emissions breakdown as follows: <ul style="list-style-type: none"> - (4) Upstream transportation and distribution: 996 k tCO₂e - (5) Waste generated in operations: 58 k tCO₂e - (6) Business travel: 996 k tCO₂e - (7) Employee commuting: 219 k tCO₂e - (9) Downstream transportation and distribution: 326 k tCO₂e

In detail, the graphs below display all the reported measures for Upstream and Downstream Scope 3 activities:



Total Emissions

12520 k tCO₂e

Emissions reduction targets

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets; we project that carbon emissions will decrease over the next eight years to 6262 tCO_{2e} by 2030. This would be a reduction of 55%.

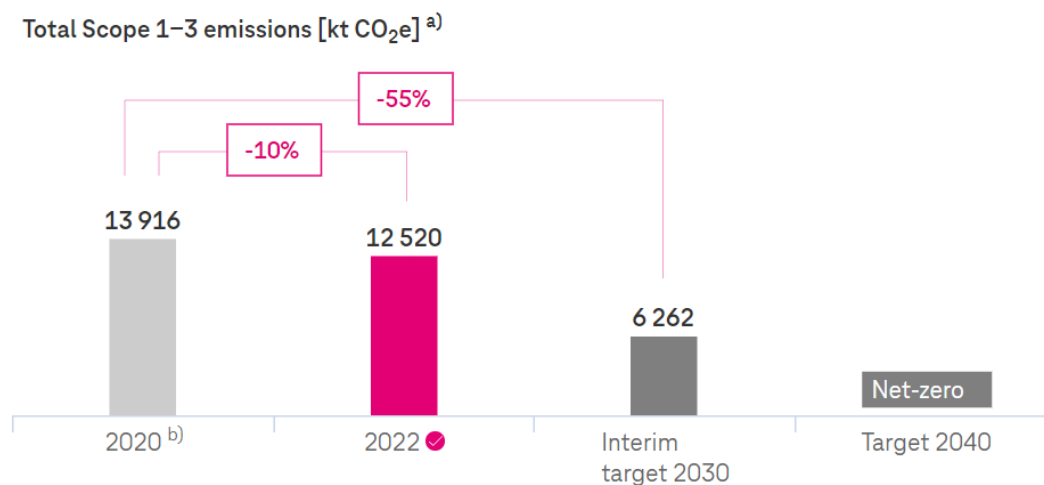
We are committed to using energy more efficiently, reducing the energy consumption of our networks and sourcing our electricity group-wide completely from renewable energies since 2021. We employ climate protection measures throughout the Group to reduce CO₂ emissions, conserve resources and use energy more efficiently.

We have set a Group-wide climate target to help us in these efforts: By 2025 we want to be climate-neutral regarding our own emissions (Scopes 1 and 2). To this end, we are going to reduce our worldwide emissions by up to 95 percent. We will offset the remaining emissions from our carbon footprint. For this, we are concentrating on offsetting measures aimed at long-term removal of carbon from the atmosphere, such as afforestation. By 2040 at the latest, we want to be completely climate-neutral ("net zero") and leave no CO₂ footprint across all three scopes. As an interim target on the way to becoming climate neutral, we have set ourselves the task of reducing carbon emissions in Scopes 1–3 by 55 percent with respect to 2020 levels. By the end of 2040, we intend to have cut our emissions by at least ten percent, so that we only need to offset up to 10 percent. This target applies to the entire Group including DTGBS UK and raises again the ambition of our climate protection targets.

Major levers for achieving our climate protection target are, on the one hand, the efficient use of energy and the switch to new, energy-efficient technologies for network operation and data centres. The purchase of 100 percent electricity from renewable energies also ensures that no climate-damaging emissions are generated by the operation of our networks and data centres.

We are working to process data traffic from no more than a few efficient, data centres. In 2024, we will be transmitting twice as much data in Europe as we did in 2020 – but there will be no rise in our power consumption. We can achieve this by using the very latest technologies, updating our networks, and switching off old systems.

Progress against these targets since 2020, can be seen in the graph below:



a) The emissions shown do not include indirect emissions from the use phase in Scope 3.

b) CO_{2e} emissions adjusted for the companies sold in 2020 and 2021.

✔ Data checked by Deloitte. Data is partly based on estimates, assumptions and projections.

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since 2020. The carbon emission reduction achieved by these schemes equate to 1396 tCO₂e, a 10% reduction against the 2020 figures and the measures will be in effect when performing the contract.

We have and continue to optimise our current network operations centres through measures such as modernising cooling systems and advancing the technology used there. Both of these are measures that can significantly reduce energy consumption.

We now use combined heat and power (CHP) plants in addition to conventional power grid. In 2017, we commissioned a new CHP module at our data and network centre in Berlin, to power our network nodes. The CHP plants convert the energy supplied by gas into electricity and heat. We use the waste heat produced on site to heat our offices, delivering energy efficiency of up to 90 per cent, compared to 40 per cent using previous conventional sources. A local heating pipeline runs from our CHP unit to a neighbouring school. Using waste heat from our plant to provide heating for the school and gym, reduces carbon emissions by up to 700 tCO₂e a year.

By the end of 2017, we were operating a total of over 300 solar photovoltaic plants, with a capacity of 4000kWp (kilowatt peak). In this way we have reduced our ecological footprint by over 1700 metric tons of CO₂.

With additional expansion, we are approaching our goal to equip a total of 600 sites with solar photovoltaic systems.

This is how we are reducing the CO₂ emissions of our network operations.

Other measures that we take to reduce energy consumption and, as a result, CO₂ emissions, include more efficient management of our properties as well as making our company fleet climate-friendly by using energy-efficient, low emission cars.

In the future we are implementing further measures such as replacing legacy technology in our networks with new technology, i.e., by switching to Internet Protocol (IP) technology in our fixed-line network.

We are introducing an electric vehicle-based company car scheme for our staff in the UK, to complement the cycle-to-work scheme already in place since 2015 and arrangements for home office/remote working to reduce emissions from staff commuting into the office by 50% per year. Assuming a CO₂ emission of 170g/km and an average commute of 20km per employee, then generates savings for our 70 staff of approximately 65 tCO₂e by working from home three days per week.

Within our offices, including in the UK, we are focussing on energy conservation through reduced electricity consumption by:

- Using LED lighting
- Using state-of-the-art pumps and fans
- Switching off building technology outside working hours; and
- using energy-efficient lighting.

We are particularly interested in helping our customers conserve resources and reduce their energy consumption through solutions such as our growing offer of sustainable products and services. These solutions help millions of Deutsche Telekom customers cut back on tons of CO₂ every year.

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 DTGBS UK Board of Directors.

Signed on behalf of the Supplier:

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Andrew Weedon
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Andrew weedon

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Jeevan D'Silva
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Jeevan D'Silva

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>