



# Huawei Technologies Deutschland GmbH 2023 Greenhouse Gas Emissions Report

**Building a Fully Connected,  
Intelligent World**

---



# Contents

<b>1 GHG Emissions Inventory</b> .....	<b>3</b>
1.1 Full GHG Inventory.....	3
1.2 Exclusions .....	4
1.3 Data limitations.....	4
1.4 Verification of GHG emissions .....	4
<b>2 Target description</b> .....	<b>5</b>
<b>3 Target progress</b> .....	<b>6</b>
<b>4 Substantial emission variations and changes in targets</b> .....	<b>7</b>
4.1 Principles for recalculation .....	7
4.2 Base year adjustment.....	7
<b>5 Actions towards meeting SBTs</b> .....	<b>7</b>

# 1 GHG Emissions Inventory

## 1.1 Full GHG Inventory

The inventory of Greenhouse Gas Emissions in the year of 2023 of Huawei Technologies Deutschland GmbH is calculated on the basis of GHG protocol and ISO 14064-1: 2018.

Time Boundary: 2023.1.1—2023.12.31

Organizational Boundary: Operational control approach is used. Scope 1&2 cover direct and indirect emissions generated from Huawei Technologies Deutschland GmbH and its directly controlled subsidiaries, including: owned office spaces, leased office spaces, direct-sale stores and all types of vehicles. Scope 3 covers all upstream and downstream value chain emissions that are relevant to Huawei Technologies Deutschland GmbH.

The emissions data are as follows:

Scope	Category	2020 Emissions (base year, tCO <sub>2</sub> e)	2023 Emissions (current year, tCO <sub>2</sub> e)
Scope 1 (Direct GHG emissions)	Gasoline	-	6
	Diesel	64	38
	Natural Gas	4	9
	Fugitive Emissions	16	12
Total of Scope 1		84	65
Scope 1 (Indirect GHG emissions)	Purchased Heat	152	233
	Purchased Electricity (Market-Based)	1,968	62
Total of Scope 2		2,120	295
Scope 3 (Other indirect emissions)	1 Purchased Goods and Services	84,610	36,951
	2 Capital Goods	26,594	771
	3 Fuel- and Energy-Related Activities Not Included in Scope 1 or Scope 2	1,034	35
	4 Upstream Transportation and Distribution	1,111	7,301
	5 Waste Generated in Operations	80	80
	6 Business Travel	2,219	10,214
	7 Employee Commuting	510	758

Scope	Category	2020 Emissions (base year, tCO <sub>2</sub> e)	2023 Emissions (current year, tCO <sub>2</sub> e)
	8 Upstream Leased Assets	535	77
	9 Downstream Transportation and Distribution	0	0
	10 Processing of Sold Products	NA	NA
	11 Use of Sold Products	664,343	216,813
	12 End-of-Life Treatment of Sold Products	100	8
	13 Downstream Leased Assets	0	0
	14 Franchises	85	21
	15 Investments	0	0
Total of Scope 3		781,220	273,028
Total of GHG emissions		783,424	273,388

## 1.2 Exclusions

The exclusion threshold for Huawei Deutschland's greenhouse gas inventory is set at no more than 0.6% of total emissions of scope 2 and scope 3 for a single source and no more than 3% for multiple sources, and will be enforced in accordance with relevant domestic policies and regulations if they are enacted in the future. No significant sources of emissions have been excluded in this inventory.

## 1.3 Data limitations

Regarding scope 3, category 5- Waste Generated in Operations, there is currently no actual statistics on the weight of waste generated during operations; instead, estimates are made based on the average waste production per capita in Germany. In the future, we will refine the statistics on the types and weights of waste generated during operations to make the emissions in this category more accurate.

## 1.4 Verification of GHG emissions

TÜV Rheinland conducted the independent third-party verification on the Huawei Deutschland 's 2023 GHG emissions inventory, encompassing scope 1, scope 2, scope 3 emissions. The verification was performed in accordance with the ISO 14064-3: 2019 Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals. The verification statement is available in the appendix of this report.

## 2 Target description

Huawei Deutschland's near-term, long-term, and net-zero emission reduction targets were approved by the Science Based Targets initiative in 2023. Our approved science-based targets are as follows:

Target ID	Target type	Target wording	Scopes covered
NZ	Net-Zero	Huawei Technologies Deutschland GmbH commits to reach net-zero greenhouse gas emissions across the value chain by 2040.	1+2+3
ABS1	Absolute (near-term)	Huawei Technologies Deutschland GmbH commits to reduce absolute scope 1 and 2 GHG emissions 50% by 2030 from a 2020 base year	1+2
INT1	Economic Intensity (near-term)	Huawei Technologies Deutschland GmbH commits to reduce scope 3 GHG emissions from purchased goods and services and use of sold products 65.1% per EUR value added by 2030 from a 2020 base year	3
LTABS1	Absolute (long-term)	Huawei Technologies Deutschland GmbH commits to reduce absolute scope 1 and 2 GHG emissions 90% by 2040 from a 2020 base year	1+2
LTINT1	Economic Intensity (long-term)	Huawei Technologies Deutschland GmbH commits to reduce scope 3 GHG emissions from purchased goods and services and use of sold products 97% per EUR value added by 2040 from a 2020 base year	3

Reference to SBTi criteria and target setting tools used to set targets:

- Net-zero and long-term targets were set according to the SBTi Corporate Net-Zero Standard Version 1.1 and Net-Zero Tool Version 1.0.3, consistent with the Pathways to Net-Zero: SBTi Technical Summary Version 1.0.
- Near-term targets were set using the cross-sector absolute reduction and scope 3 physical intensity reduction methods, according to the SBTi Criteria and Recommendations Version 5.1 and the Science-Based Target Setting Tool Version 2.2.

### 3 Target progress

Huawei Deutschland prioritizes achieving its near-term targets. Its progress on near-term science-based targets are as follows:

Reporting item <b>[target]</b>	Base year value (2020)	Base year emissions covered by targets, (tCO <sub>2e</sub> ) (%)	2030 target Value	Target completion (%)
Scope 1 (tCO <sub>2e</sub> )	84	84(100%) (ABS1)	NA	NA
Scope 2 (market-based) (tCO <sub>2e</sub> )	2,120	2,120(100%)	NA	NA
Total scope 1+2 (market-based) (tCO <sub>2e</sub> ) <b>[ABS1]</b>	2,204	2,204(100%) (ABS1)	1,278	Achieved and maintained
Scope 3, cat.1: Purchased goods and services (tCO <sub>2e</sub> )	84,610	71,411/ 84.4% (INT1)	36,951	NA
Scope 3, cat.11: Use of Sold Products (tCO <sub>2e</sub> )	664,343	557,383/ 83.9% (INT1)	216,813	NA
Emissions Intensity of Scope 3, cat.1&11 (tCO <sub>2e</sub> /Million €) <b>[INT1]</b>	8,091	NA	2,824	In progress

## 4 Substantial emission variations and changes in targets

### 4.1 Principles for recalculation

The principles of recalculating the base year are as follows:

- Significant changes in the organizational boundaries between the reporting year and the base year.
- Significant changes in calculation methods or emission factors.
- Data accounting errors.

### 4.2 Base year adjustment

During the current year, we have no adjustment to the base year, and the emissions data of the base year don't need to be recalculated.

## 5 Actions towards meeting SBTs

Target	Actions towards meeting SBTs
Reduce absolute scope 1 and 2 GHG emissions 50% by 2030 from a 2020 base year [ABS1]	In 2023, We decrease our scope1&2 emissions by 84% compared to the base year, reached our near-term target. Total scope 1 emissions for the current year are 65 tCO <sub>2</sub> e, a decrease of 23% compared to base year, with the change coming mainly from less consumption of gasoline and diesel; Total scope 2 emissions for the current year are 295 tCO <sub>2</sub> e, a decrease of 86% compared to base year, with the change coming mainly from a significant decrease in carbon emissions from purchased electricity: we increased the use of clean electricity, with several offices having achieved a full substitution of clean electricity.
Reduce absolute scope 1 and 2 GHG emissions 90% by 2040 from a 2020 base year [LTABS1]	In 2023, We decrease our scope1&2 emissions by 84% compared to the base year. To accomplish this target, we will achieve our net-zero emissions on schedule in the future.
Reduce scope 3 GHG emissions from purchased goods and services and use of sold products 65.1% per EUR value added by 2030 from a 2020 base year [INT1]	In 2023, total of scope 3 cat.1&cat.11 emissions amount to 253,764 tCO <sub>2</sub> e, a decrease of 65% compared to the base year. This is mainly due to two reasons: (1) offering users with more eco-friendly and low-carbon products, and (2) downstream customers using cleaner energy to utilize our products.
Reduce scope 3 GHG emissions from purchased goods and services and use of sold products 97% per EUR value added by 2040 from a 2020 base year [LTINT1]	In 2023, We decrease our emissions of scope 3 cat.1&cat.11 by 65% compared to the base year. In the future, we will achieve our net-zero emissions on schedule.
Reach net-zero greenhouse gas emissions across the value chain by 2040 [NZ]	Reaching net-zero greenhouse gas emissions across the value chain is linked to achieving our near-term targets, which are interim steps on the path to net-zero: ABS1, INT1, and is also linked to achieving the long-term target (LTABS1, LTINT1) and neutralizing all unabated emissions with removals. We will achieve our net-zero emissions on schedule in the future.

# Appendix I – External Statement

## Greenhouse Gas Verification Statement

Reference Number: 01 132 2401966

The inventory of Greenhouse Gas emissions in the period January 1<sup>st</sup> 2023 to December 31<sup>st</sup> 2023 for

Reporting organisation:

**Huawei Technologies  
Deutschland GmbH**  
Hansaallee 205 40549  
Düsseldorf  
Düsseldorf  
Germany

has been verified in accordance with ISO 14064-3:2019 as meeting the requirements of:

### ISO 14064-1:2018

To represent a total amount of:

**Direct Emissions and Removal: 64.58 tCO<sub>2</sub>e**  
**Indirect Emissions : 273,323.23 tCO<sub>2</sub>e**

**Total Emissions and Removal\*: 273,387.80 tCO<sub>2</sub>e**

\*calculated following the market-based approach

#### For the following activities

Office facilities, information distribution, interaction, transmission, processing, storage, learning, and inference, and provide innovative products, solutions, and services.

Lead Assessor: Mr. Wai Kwok Wong  
Technical Reviewer: Mr. Paul Parker

Approved by Paul Parker  
Global Carbon Technical Manager  
TÜV Rheinland




Date: 19<sup>th</sup> December 2024

Huawei Technologies Deutschland GmbH  
Hansaallee 205 40549 Düsseldorf

<https://www.huawei.com/de/>



 HUAWEI, HUAWEI and  are trademarks or registered trademarks of Huawei Technologies Co., Ltd.  
Other trademarks and product, service, and company names mentioned are the property of their respective owners.

## GENERAL DISCLAIMER

THE INFORMATION IN THIS DOCUMENT MAY CONTAIN PREDICTIVE STATEMENTS, INCLUDING BUT NOT LIMITED TO, STATEMENTS REGARDING FUTURE FINANCIAL RESULTS, OPERATING RESULTS, FUTURE PRODUCT PORTFOLIOS, AND NEW TECHNOLOGIES. THERE ARE A NUMBER OF FACTORS THAT COULD CAUSE ACTUAL RESULTS AND DEVELOPMENTS TO DIFFER MATERIALLY FROM THOSE EXPRESSED OR IMPLIED IN THE PREDICTIVE STATEMENTS. THEREFORE, SUCH INFORMATION IS PROVIDED FOR REFERENCE PURPOSES ONLY, AND CONSTITUTES NEITHER AN OFFER NOR A COMMITMENT. HUAWEI MAY CHANGE THE INFORMATION AT ANY TIME WITHOUT NOTICE, AND IS NOT RESPONSIBLE FOR ANY LIABILITIES ARISING FROM YOUR USE OF ANY OF THE INFORMATION PROVIDED HEREIN.