

CERTIFICATE

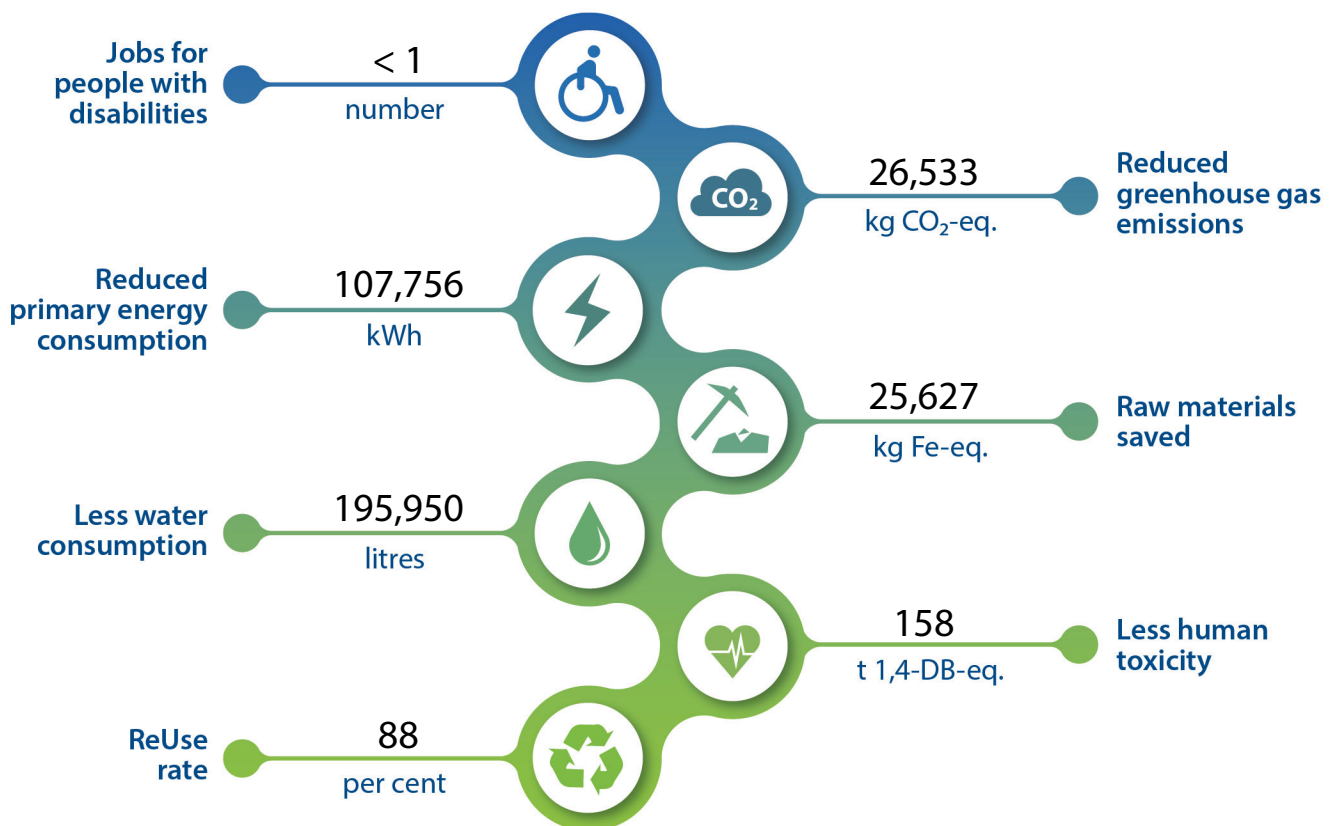
for socio-ecological impact with IT hardware

AfB gemeinnützige GmbH would like to thank

ZwickRoell GmbH & Co. KG

AfB is Europe's largest non-profit IT company and specialises in extending the service life of used IT and mobile devices. As a recognised inclusion company AfB employs 660 people, 48 % of whom have a disability.

Within the scope of our partnership, from 01/01/2024 to 31/12/2024 the following impacts were attained by the submitted devices to AfB:



Daniel Büchle, CEO
Ettlingen, 29/01/2025

Contribution to the circular economy through ReUse

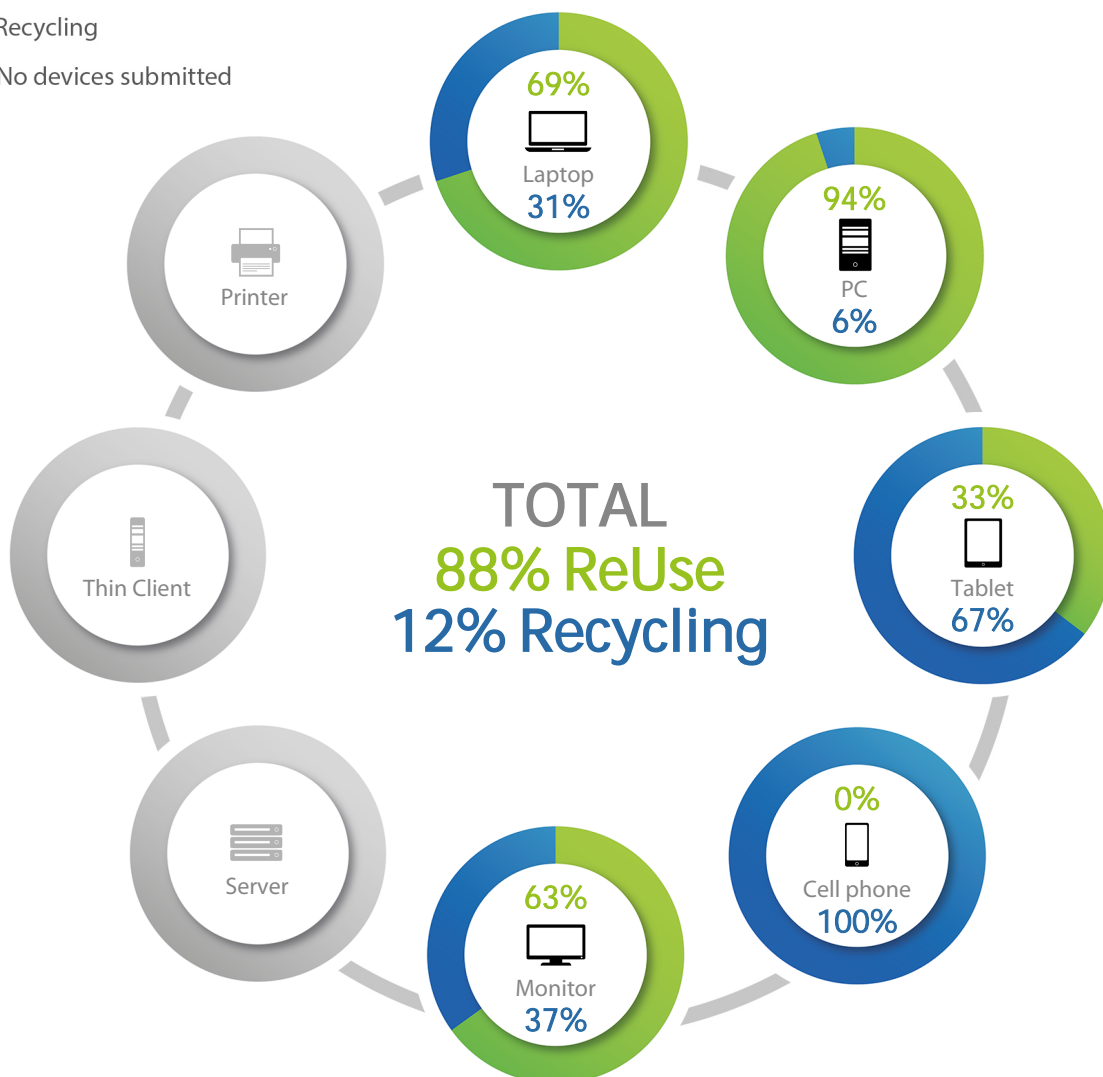
There is currently no sustainably produced IT hardware. The extraction of raw materials and production have considerable social and ecological implications. The best option from a sustainability viewpoint is extending the service life of IT and mobile equipment. In total 88% of the IT devices you submitted to AfB could be refurbished and remarketed through a certified process.

ReUse and Recycling in our certified process:



Division into reuse (reselling) and recycling of the devices you submitted:

- ReUse (reselling)
- Recycling
- No devices submitted



Your impact in detail

Between January 1, 2024 and December 31, 2024 AfB made 2 collections from you and processed 210 IT and mobile equipment with a total weight of 1.8 tonnes. AfB was able to resell 88% of the equipment after data destruction, hardware testing, spare parts procurement, repair work, upgrading and cleaning. The remaining appliances were professionally recycled.

Detailed composition

	Reuseable after refurbishment			Raw material recovery through recycling			Total quantity	
	Quantity	%	kg	Quantity	%	kg	Total	kg
Notebook	11	69 %	22	5	31 %	11	16	33
PC	166	94 %	1,572	10	6 %	106	176	1,678
Tablet	1	33 %	1	2	67 %	1	3	3
Mobile phone	0	0 %	0	1	100 %	0	1	0
Monitor	5	63 %	35	3	38 %	12	8	47
Server	0	-	0	0	-	0	0	0
Thin Client	0	-	0	0	-	0	0	0
Printer	0	-	0	0	-	0	0	0
Other*	1	17 %	9	5	83 %	12	6	22
Total	184	88 %	1,640	26	12 %	142	210	1,782

Materials saved through reselling and recycling

	Primary raw materials kept in the cycle through reselling			Recovered secondary raw materials through professional recycling			Total quantity		
	Metals	Non-metals	Plastics	Metals	Non-metals	Plastics	Metals	Non-metals	Plastics
Total in kg	1,240	78	312	87	1	7	1,326	79	319

* E.g. includes copiers, scanners, switches, projectors and plotters, but not (loose) data carriers and accessories.

Your impact in detail

Reduced environmental impact through IT reselling

	Human toxicity	Greenhouse gas emissions	Raw materials saved	Primary energy consumption	Water consumption
	t 1,4-DB-eq.	kg CO ₂ -eq.	kg Fe-eq.	kWh	Litres
Notebook	7	1,251	575	4,838	6,512
PC	138	23,526	24,236	96,400	174,064
Tablet	0	69	N/A	N/A	1,076
Mobile phone	0	0	N/A	N/A	0
Monitor	5	1,020	180	3,991	7,755
Server	0	0	N/A	0	0
Printer	0	0	N/A	0	0
Total	149	25,866	24,991	105,229	189,407

Reduced environmental impact through recycling

	Human toxicity	Greenhouse gas emissions	Raw materials saved	Primary energy consumption	Water consumption
	t 1,4-DB-eq.	kg CO ₂ -eq.	kg Fe-eq.	kWh	Litres
Notebook	1	95	77	351	1,065
PC	7	530	530	1,987	5,000
Tablet	0	8	9	32	141
Mobile phone	0	1	1	3	11
Monitor	0	32	19	154	327
Server	0	0	0	0	0
Printer	0	0	0	0	0
Total	8	667	636	2,527	6,543

Reduced environmental impact through refurbishment and recycling

	Human toxicity	Greenhouse gas emissions	Raw materials saved	Primary energy consumption	Water consumption
	t 1,4-DB-eq.	kg CO ₂ -eq.	kg Fe-eq.	kWh	Litres
Total	158	26,533	25,627	107,756	195,950

N/A stands for not available and means that not enough scientifically sound data is available for a device type (e.g. tablet) in an impact category (e.g. raw materials savings). The definitions of the environmental impacts (e.g. human toxicity) can be found on the last page.

Inclusion works!

Inclusion really does work as confirmed by the 2023 impact study „MehrWirkung“ (= more impact) of the German federal working group representing the interests of inclusive enterprises („bag if“) *.

Inclusive enterprises are based on a unique business model that ensures the inclusive and equal participation of people with disabilities in working life.

Market-orientated economic activity with an inclusive core

Inclusive enterprises are enterprises that operate on the general labour market and have to compete with profit-orientated and non-inclusive enterprises. They are therefore a good example of socially sustainable entrepreneurship, which is visually represented on the impact compass of the „MehrWirkung“ study. The impact compass is geared around the three goals of the EU expert group for social taxonomy** as well as the Sustainable Development Goals (SDGs) with a social orientation.

Verified impacts of inclusive enterprises



1. DECENT WORK

- Motivating activities
- Training places
- Job security
- On-going assistance at work
- Wages in line with the industry
- Promotion of mental and physical health
- Social inclusion
- Workplace support



2. MEANINGFUL CUSTOMER RELATIONSHIPS

- Acting for the common good
- Social responsibility
- Social learning
- Role model function
- Creating benefits



3. INCLUSIVE AND SUSTAINABLE SOCIETY

- Contribution to value added
- Relief of state and social systems
- Independence from social benefits
- Independent living
- Involvement and participation
- Accessibility
- Destigmatisation

*More information at: <https://bag-if.de/studie-mehrwirkung/>.

**The „Final Report on Social Taxonomy“ of the EU Platform on Sustainable Finance from 2022 is available here: https://finance.ec.europa.eu/system/files/2022-08/220228-sustainable-finance-platform-finance-report-social-taxonomy_en.pdf.

The partnership with AfB – A contribution to seven SDGs

The Agenda 2020 for sustainable development was passed in 2015 by all member states of the United Nations. As a result the UN has created the basis for generating economic progress within the framework of our ecological limits and social responsibilities. A total of 17 goals for sustainable development, the so-called Sustainable Development Goals (SDGs), form the core of the Agenda.

AfB has set itself the following interim goals by 2025 which we wish to attain together with dedicated partners like you, thus supporting the SDGs:



	<p>Through an IT partnership with AfB you make an important contribution to attaining 7 SDGs.</p>	<p>4 QUALITY EDUCATION</p>	<p>Equal opportunities is linked to access to good educational materials. AfB supports educational projects worldwide by providing IT devices.</p>
<p>6 CLEAN WATER AND SANITATION</p>	<p>By reusing IT devices the water consumption and the effect on the ecological water system due to the emission of toxic substances are reduced.</p>	<p>8 DECENT WORK AND ECONOMIC GROWTH</p>	<p>IT remarketing contributes to sustainable raw materials extraction and to the reduction of electronic waste dumps in the Global South.</p>
<p>10 REDUCED INEQUALITIES</p>	<p>By creating inclusive workplaces AfB promotes social and economic inclusion as well as the self-determination of people with disabilities.</p>	<p>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</p>	<p>AfB contributes to reducing resource consumption, emissions and electronic waste by reusing IT hardware.</p>
<p>13 CLIMATE ACTION</p>	<p>ReUse and recycling of IT equipment lead to savings of emissions, raw materials and energy and thus contribute to climate protection.</p>	<p>17 PARTNERSHIPS FOR THE GOALS</p>	<p>The cooperation between AfB and IT partners considerably supports the attainment of social and ecological goals.</p>

Make your commitment visible

Your IT partnership with Afb promotes environmental protection and inclusion and verifiably saves resources while reducing harmful emissions. Your commitment, which we confirm for you in figures with this certificate, serves as a valuable component of your sustainability communication.

Show the impact you make through your partnership with Afb!



Sustainability report

Simply integrate your contribution to ecological and social sustainability gained from our IT partnership in your sustainability report.



ESG rating

Use the Impact Certificate as a document of proof for your ESG reporting. It can positively affect your ESG rating.



Boost your image

Demonstrate to your investors that your enterprise operates responsibly, and show that you have found a social ecological solution for the hardware you no longer need. Whether for social media, press releases or Intranet – we will be happy to assist you.



Contact

📧 marketing@afb-group.eu

Terms and clarification



Jobs for people with disabilities

Your used IT equipment contributes to creating and maintaining jobs for people with disabilities at Afb.

Greenhouse gas emissions

Greenhouse gasses generated by human activity contribute to the warming of the earth's atmosphere and thus to climate change. The Global Warming Potential (GWP) is used as an indicator. All greenhouse gas emissions are converted into CO₂ equivalents to facilitate comparisons.

*A saving of 1,000 kg CO₂ eq. corresponds to a trip of 4,900 km with a mid-class petrol car.**



Primary energy consumption

The primary energy consumption reflects the demand on primary energy resources (crude oil, coal, hydropower, etc.) of a product over its entire life cycle from its production to disposal. Primary energies are required for the provision of end use energy (electricity, etc.).

*The indicator is measured in the unit kWh. A saving of 1,000 kWh corresponds to a third of the annual power demand of a 2 person household in a single family home.***

Saved resources

Through the reuse of used IT equipment, less resources are mined to produce new equipment. The globally available metal and mineral reserves (e.g. palladium, iron) vary greatly, which is why the consumption of a given metal is set in relation to its availability.

To facilitate comparison all metals and minerals are reported in iron equivalents (kg Fe eq.). This is based on an ecobalance study of the Technical University of Berlin from 2013.



Water consumption

Water is required for many processing steps of a product. However, the availability of water is at risk in many regions. Water consumption relates to the water quantity saved and can comprise withdrawal, use, pollution and evaporation.

A saving of 1,000 litres corresponds to five full bath tubs.

Human toxicity

Every day, people are exposed to a large number of environmental pollutants. Human toxicity measures the effect on or damage to human health. This damage can be triggered by substances (e.g. nitrogen oxides), which are released into the air, water and soil.

Measurements are given in 1,4-dichlorobenzene equivalents (t 1,4-DB-eq.).



ReUse quota

Producing IT equipment results in considerable social and ecological impacts.

From a sustainability viewpoint, the best option today is to extend the time IT equipment and mobile devices are used. With the ReUse quota we indicate how much of your IT equipment is refurbished and remarketed through the certified Afb process.

* https://www.tagesschau.de/multimedia/bilder/grafik-co2-101-_origin-47ca801f-6a31-4285-8b38-f4d7a5678a29.html, visited on 10/12/2020

** <https://www.co2online.de/energie-sparen/strom-sparen/strom-sparen-stromspartips/stromverbrauch-im-haushalt/#c120941>, visited on 10/12/2020