

CERTIFICATE

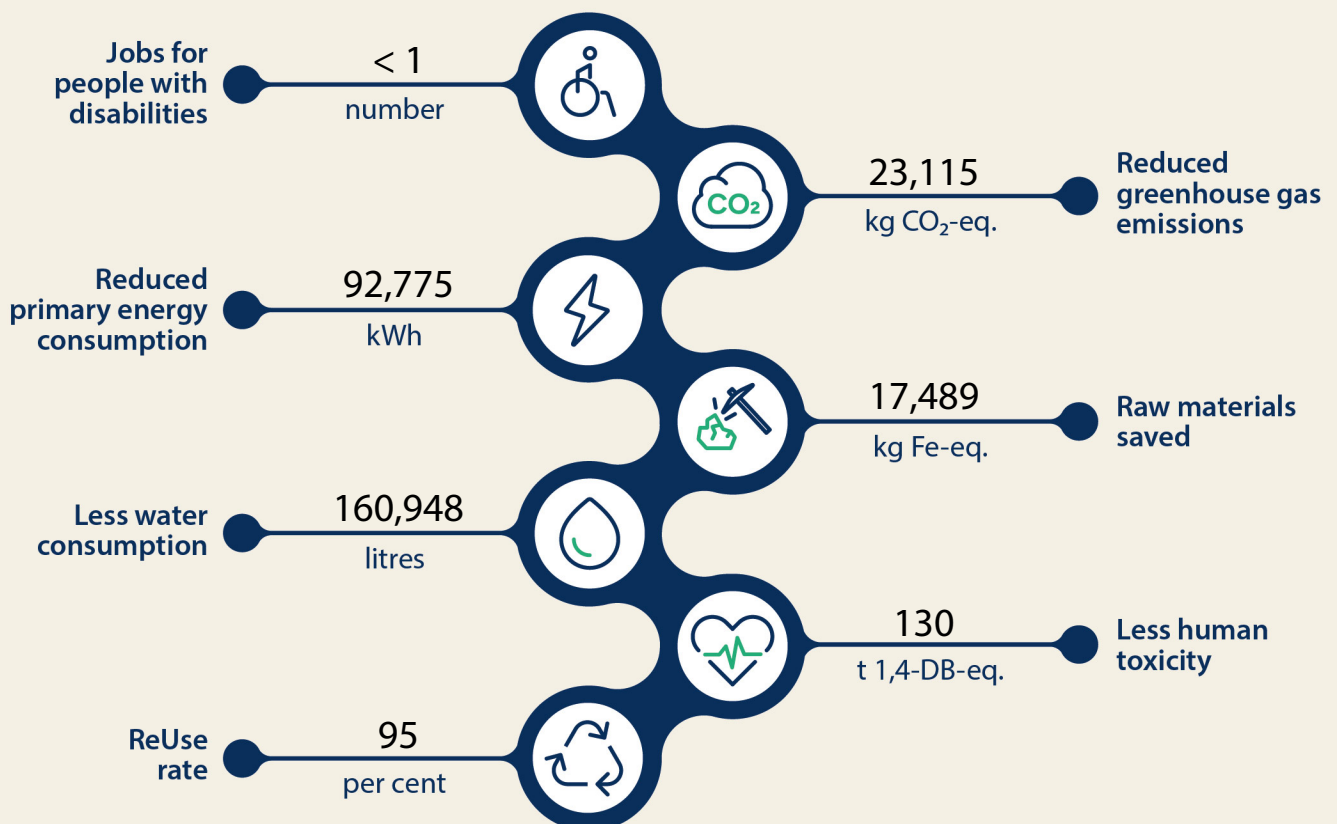
for socio-ecological impact with IT hardware

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 700 people, 47 % of whom have a disability.

Within the scope of our partnership, from 01/01/2025 to 31/12/2025 the following impacts were attained by the submitted devices to afb:



60% inclusion effect

60 % of employees with disabilities gain an improvement to their situation through their jobs at afb*



Daniel Büchle, CEO
Ettlingen, 29/01/2026



German Sustainability Award 2024



German SDG Award

Social Firms Europe
CEFECA AWARD

Social Firms Europe

www.afb-group.eu

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 95% 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, 2025 and December 31, 2025 afb made one collection from you and processed 171 IT and mobile equipment with a total weight of 1.2 tonnes. afb was able to resell 95% of the equipment after data destruction, hardware testing, spare parts procurement, repair work, upgrading and cleaning.

Detailed composition

	Reuseable after refurbishment			Raw material recovery through recycling			Total quantity	
	Quantity	%	kg	Quantity	%	kg	Total	kg
Notebook	46	100 %	87	0	0 %	0	46	87
PC	97	96 %	969	4	4 %	40	101	1,009
Tablet	0	-	0	0	-	0	0	0
Mobile phone	0	-	0	0	-	0	0	0
Monitor	19	86 %	125	3	14 %	16	22	141
Server	0	-	0	0	-	0	0	0
Thin Client	0	-	0	0	-	0	0	0
Printer	0	0 %	0	1	100 %	8	1	8
Other*	1	100 %	2	0	0 %	0	1	2
Total	163	95 %	1,183	8	5 %	64	171	1,247

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	844	82	250	39	1	5	883	83	255

* 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	28	5,230	2,406	20,231	27,232
PC	81	13,747	14,162	56,330	101,712
Tablet	0	0	N/A	N/A	0
Mobile phone	0	0	N/A	N/A	0
Monitor	18	3,876	682	15,165	29,468
Server	0	0	N/A	0	0
Printer	0	0	N/A	0	0
Total	127	22,853	17,250	91,726	158,413

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	0	0	0	0	0
PC	3	200	201	751	1,890
Tablet	0	0	0	0	0
Mobile phone	0	0	0	0	0
Monitor	0	43	26	208	442
Server	0	0	0	0	0
Printer	0	19	13	90	203
Total	3	263	240	1,049	2,535

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	130	23,115	17,489	92,775	160,948

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.

Positive effects of inclusion at afb

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

The fact that inclusion really does work overall in society is confirmed by the 2023 impact study "Mehr-Wirkung" (= more impact) of the German federal working group representing the interests of inclusive enterprises ("bag if")¹. Based on the method developed for the purpose of measuring the effect, as the first inclusive enterprise afb had the special inclusion effect within its own company measured, with the unique difference to date being that afb wanted to know from its employees if their living situation had improved thanks to working at afb compared to what it was previously. The result is as follows:

60 % of employees with a disability experienced an improvement in their living situation thanks to their work at afb².

Here is a detailed overview of the four areas of effect:



Each value response above 50 % is good. The higher the figure the stronger the improvement is perceived. In the field Integration and destigmatisation the improvement is the clearest.

Many factors cannot be influenced by an employer, who can neither improve the health of people who are 100 % healthy nor cure certain diseases. The self-confidence of people who are already confident is only increased at work to a certain degree. Therefore a value of 100 % is not attainable. The results nevertheless show that almost two out of three employees with disabilities experience a tangible improvement through their work at afb compared to previously.

More info on our website.

¹ More information at: <https://bag-if.de/studie-mehrwirkung/>.

² Source: "Inklusionswirkung der Beschäftigung bei AfB gGmbH" study by concern 2024, link <https://www.afb-group.de/inklusionswirkung-bei-afb>

A partnership with afb – a contribution to eight SDGs

The Agenda 2030 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 2030.

Through an IT partnership with afb you make a valuable contribution to attaining eight SDGs¹:



The work at afb is motivating for the employees and leads to more satisfaction in life. They receive more respect and recognition. afb pays more attention to personal limits.



Employees can show what they are professionally capable of at afb. They learn more new skills at afb and have the opportunity to do complex jobs.



Through the reuse and professional recycling of IT equipment, the consumption of water and the impact on the ecological water systems due to the emission of toxic materials is reduced.



Employees at afb are less dependent on social service benefits thanks to their jobs. They are in a position to live their lives more independently and have more self-confidence.



By creating inclusive work places, afb supports social and economic inclusion as well as the self-determination of people with disabilities.



afb gives as much IT equipment as possible a second life. As an alternative to a new purchase consumers are able to acquire refurbished hardware with a warranty from afb.



Reuse and recycling of IT equipment lead to reducing emissions, saving raw materials and energy and therefore contribute to climate protection.



The cooperation between afb and partner companies decisively supports the attainment of social ecological goals.

¹ SDG 3,4,8,10 > Source: concern. SDG 6,12,13 > Source: Tech. University Berlin, myclimate and Star Cooperation

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 6,000 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://assets.publishing.service.gov.uk/media/6846a4f55e92539572806125/ghg-conversion-factors-2025-full-set.xlsx>

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