Sustainable IT Report

3stepIT

Report prepared for: Netsolutions ApS
Report issue date: 14 February 2023
REstepIT order ID: 22865
3stepIT contact: Mads Vedsø

This report summarises your used IT equipment's refurbishment and recycling rates, as well as the e-waste and CO_2 emissions you've avoided thanks to 3stepIT's sustainable services.

E-waste avoided

Product group	Grade A	Grade B	Grade C	Grade D	Grade E	Total	% Refurbished devices (Grade A-D)	Refurbished weight* (Grade A-D)	Recycled weight* (Grade E)
Copier	0	0	0	0	0	0	0 %	0 kg	0 kg
Data	0	0	0	0	1	1	0 %	0 kg	5 kg
Desktop	11	22	0	7	23	63	63 %	304 kg	175 kg
Laptop	0	0	0	5	23	28	18 %	8 kg	36 kg
Monitor	0	0	0	2	0	2	100 %	12 kg	0 kg
Network	0	0	0	0	0	0	0 %	0 kg	0 kg
Phone	0	0	0	0	0	0	0 %	0 kg	0 kg
Point of sales	0	0	0	0	0	0	0 %	0 kg	0 kg
Printer	0	0	0	0	0	0	0 %	0 kg	0 kg
Scanner	0	0	0	0	0	0	0 %	0 kg	0 kg
Server	0	0	0	0	0	0	0 %	0 kg	0 kg
Tablet	0	0	0	0	0	0	0 %	0 kg	0 kg
Total							**50 %**	**324 kg**	**216 kg**

CO_2 equivalent emissions avoided

Product group	Refurbished devices (Grade A-D)	CO_2 kg/device**	Total CO_2 kg
Desktop	40	235 kg	9400 kg
Laptop	5	194 kg	970 kg
Monitor	2	312 kg	624 kg
Phone	0	50 kg	0 kg
Tablet	0	121 kg	0 kg
Total CO_2 equivalent emissions avoided			**10994 kg**

Appendix: E-waste and CO_2 emissions calculation methodology

We classify used IT devices into five categories, from A to E, based on the physical and functional condition of the equipment. Grade A-D devices are refurbished for reuse, grade E devices are recycled in an environmentally friendly manner by our certified partners.

*E-waste impact

The e-waste avoidance calculation is reported per product group and is based on the median weight of the most popular models we process within each group.

The median weight of each product group is as below:

Product group	Median weight (kg)
Copier	85,10 kg
Data projector	5,00 kg
Desktop	7,60 kg
Laptop	1,54 kg
Monitor	5,90 kg
Network	1,04 kg
Phone	0,14 kg
Point of sales	7,25 kg
Printer	10,40 kg
Scanner	2,34 kg
Server	23,13 kg
Tablet	0,47 kg

** CO_2 impact

There are many factors that contribute to the carbon footprint of an IT device over its lifetime. This includes the manufacturing process, packaging, shipping, and end-of-life disposal. At 3stepIT, we offer practical solutions that can measurably reduce your carbon footprint.

Our circular approach eliminates the need to manufacture a new device and provides CO_2 savings which are equivalent to the carbon footprint of manufacturing a single product.

We calculate CO_2 avoidance by measuring the median CO_2 emissions for each product group. We base this on manufacturer data for the most popular devices we process within each product group.

Example calculation for a phone:

CO_2	**Manufacture**	Transport	Use	Recycle
Phone	**78 %**	3 %	18 %	1 %
65 kg	**50 kg**	2 kg	12 kg	1 kg

Links to manufacturer data:

HP
Dell
Apple
Lenovo
Fujitsu

Better for business
Better for the planet

3stepIT

The use and production of IT equipment requires raw materials, energy as well as ensuring compliant end-of-life treatment. Thus, it's important for organisations to also include sustainability aspects in their procurement process, along with financial and technical criteria.

At 3stepIT, we help customers to switch to a sustainable IT consumption model which is rooted in the principles of the circular economy. Our Technology Lifecycle Management and REstepIT solutions are designed to make it simple for businesses to dispose end-of-life devices in a secure and sustainable way that minimises waste, reduces CO2 emissions and promotes material reuse.

Our approach:

- releases value from old technology whilst minimising e-waste and carbon footprint
- provides affordable access to technology in second life while reducing the need for a new manufacture
- A strong circular economy ecosystem helps to preserve Earth's finite resources

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E-waste avoided

Product group	Grade A	Grade B	Grade C	Grade D	Grade E	Total	% Refurbished devices (Grade A-D)	Refurbished weight* (Grade A-D)	Recycled weight* (Grade E)
Copier	0	0	0	0	0	0	0 %	0 kg	0 kg
Data	0	0	0	0	0	0	0 %	0 kg	0 kg
Desktop	36	348	19	10	49	462	89 %	3139 kg	373 kg
Laptop	0	124	80	17	14	235	94 %	341 kg	22 kg
Monitor	89	54	11	1	4	159	97 %	915 kg	24 kg
Network	0	0	0	0	0	0	0 %	0 kg	0 kg
Phone	0	0	0	0	0	0	0 %	0 kg	0 kg
Point of sales	0	0	0	0	0	0	0 %	0 kg	0 kg
Printer	0	0	0	0	0	0	0 %	0 kg	0 kg
Scanner	0	0	0	0	0	0	0 %	0 kg	0 kg
Server	5	2	0	14	1	22	95 %	486 kg	24 kg
Tablet	0	0	0	0	0	0	0 %	0 kg	0 kg
Total							**92 %**	**4881 kg**	**443 kg**

CO_2 equivalent emissions avoided

Product group	Refurbished devices (Grade A-D)	CO_2 kg/device**	Total CO_2 kg
Desktop	413	235 kg	97055 kg
Laptop	221	194 kg	42874 kg
Monitor	155	312 kg	48360 kg
Phone	0	50 kg	0 kg
Tablet	0	121 kg	0 kg
Total CO_2 equivalent emissions avoided			**188289 kg**

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