Environmental impact statement

EIS-DMD1012 — Rev 5

Customer	Sample Customer Ltd	**Job**	DMD1012
Their reference	EIS walk	**Issued**	28 October 2026

165 kg estimated weight diverted from landfill · **5529 kg CO2e** estimated avoided embodied emissions from reuse

Weight estimated from the catalogue; weights are estimates throughout, and are labelled as estimates wherever they appear.

> **What these figures are.** The weight is an estimate of what was received and processed: the weight recorded when the load arrived at our unit where there is one — taken at the unit, not from a weighbridge ticket — and the catalogue's weights for the models where there is not. The emissions figure is an estimate of avoided embodied emissions from reuse: the embodied (manufacturing) emissions — manufacturing and transport to first use — that making the reused equipment again would have cost. It is based on the grading given at processing and on the manufacturing share of published manufacturer product carbon footprints, averaged per category. The electricity the equipment used in service is not in these figures and is not avoided by reuse.
>
> **How to report it.** Avoided emissions are reported separately from, and are not a reduction in, your organisation's Scope 1, 2 or 3 emissions. They are not offsets and must not be described as such.

SAMPLE — NOT A CERTIFICATE OF ANY REAL DISPOSAL

By category

Category	Units	Weight (kg)	Embodied factor (kg CO2e / unit)	Reused	Avoided (kg CO2e)
All-in-One	1	7.0	280	1	280
Desktop PC	3	24.0	220	2	506
Laptop	6	12.0	220	6	1320
Loose drive / media	10	6.0	30	5	159
Monitor	2	10.0	280	1	364
Networking equipment	1	6.0	300	1	300
Server	4	100.0	1000	2	2600
Total	**27**	**165.0**			**5529**

What happened to it

Outcome	Units	Weight (kg)
Reused — resold whole	18	99.0
Spares — parts harvested for reuse	5	63.6

Outcome	Units	Weight (kg)
Recycled or destroyed	4	2.4

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Method, factors and assumptions

Avoided emissions are estimated as factor × units × reuse rate for each category, and summed. The reuse rate is 100% for equipment resold whole and graded A, B or C; 30% for equipment broken for spares, or resold without a resale grade; and 0% for equipment recycled or destroyed, whatever material was recovered from it.

Every factor is **embodied (manufacturing) emissions** only: manufacturing and transport to first use. The use phase — the electricity the equipment consumed in service, which for a server or a switch is most of its whole-life footprint — and end-of-life treatment are both excluded, because reuse avoids neither. Where a published figure is a whole-life product carbon footprint, the manufacturing share taken from it is stated in the source column below. The factors are averaged per category and taken at the conservative end of the range: a planning estimate for a mixed fleet, not a measurement of the specific units listed above.

Category	Embodied kg CO2e / unit	Source, and the share of it used	Figure dated	Signed off
Laptop	220	Manufacturing + transport share of business laptop PCFs: Dell Latitude 5450 247 kg lifecycle at 82% manufacturing, 5420/5530 364 kg at 80-85%. Use phase excluded. Conservative end.	Oct 2026	28/10/2026
Server	1000	Manufacturing share of rack server PCFs: Dell PowerEdge R650 9,860 kg lifecycle at 11% manufacturing, about 1,085 kg. Five years of electricity excluded. Conservative end.	Oct 2026	28/10/2026
Desktop PC	220	Manufacturing + transport share of business desktop PCFs: Dell OptiPlex 7000 Micro 246 kg lifecycle at 82.4%, 7000 Tower 367 kg at 66.0%. Use phase excluded. Conservative end.	Oct 2026	28/10/2026
All-in-One	280	Estimated: manufacturing + transport, between desktop and monitor figures (Dell OptiPlex 3030 AIO, manufacturing about half of lifecycle). No single published PCF used.	Oct 2026	28/10/2026
Monitor	280	Manufacturing + transport share of monitor PCFs: Dell P2422H 23.8in 481 kg lifecycle at 68.2% manufacturing + 8.2% transport, about 367 kg. Conservative end for 19-27in.	Oct 2026	28/10/2026
Networking equipment	300	Manufacturing + transport from Cisco's ISO-aligned LCA of the Catalyst 9300-48P: 2,720 kg lifecycle at 14% manufacturing (390 kg) plus 12 kg transport. Conservative end.	Oct 2026	28/10/2026
Loose drive / media	30	Published embodied figure for an enterprise hard drive: about 29.7 kg CO2e, 100% of it manufacturing (Seagate). Solid state is far higher; the hard drive figure is used.	Oct 2026	28/10/2026

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Assumptions. One factor per category, applied to every unit in it. Weights are the catalogue's for the model, or the category's typical weight where the catalogue holds none, and the headline weight is the one recorded at goods in where there is one. Processing at our unit, onward transport and end-of-life treatment are not counted: this is the embodied carbon of manufacture avoided by reuse, and nothing else.