



**Carbon  
Footprint  
Reduction  
and  
Sustainability  
Program**

**tech** 

# Carbon Footprint Reduction and Sustainability Program

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# Carbon Footprint Reduction and Sustainability Program

## The Race to Carbon Neutral

The 2015 Paris Agreement is set to limit temperature rise by the end of the century and is an important goal for every person on the Earth. The United Nations target to hit net zero emissions by 2050 requires an equally diligent concerted effort for organizations, businesses, and consumers to measure their carbon footprint.

So TechR2 as a cybersecurity and environmental certified leader is helping Fortune companies and other businesses to highlight their efforts in lowering their carbon footprint by the following methods.

The Greenhouse Gas Protocol (GHG protocol) is the standard for the process and is defined in three scopes.

### Scope 1 GHG emissions are direct emissions from sources that are owned or controlled by the organization.

This scope's emissions is what your organization burns. It includes on-site fossil fuel combustion and fleet fuel consumption. As your older electronics devices use more electricity, getting them environmentally processed by a certified, landfill free vendor like TechR2 is paramount.

TechR2 tracks your devices being environmentally processed by PID numbers, so accurate throughput is digitally tracked and quarterly reports reduction of technology devices to calculate the reduction of GHG pounds.

### Scope 2 GHG emissions are indirect emissions from sources that are owned or controlled by the organization.

This scope's emissions are what you buy. It includes emissions that result from the generation of electricity, heat or steam purchased by the organization from a utility provider.

TechR2 processes use less power than the old ITAD Box truck shredder that is burning diesel fuel in your parking lot. The old ITAD process is multiple phase data destruction using brute force rather than finesse.

### Scope 3 GHG emissions are from sources not owned or directly controlled by the organization but related to the organization.

This scope's emission are all other sources of emanations. This includes employee travel and commuting, contracted solid waste disposal and wastewater treatment, and losses.

Under our ISO 14001 program, TechR2 tracks our waste and emissions and has a proactive efficiency plan to reduce emissions through constant improvements.

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## Reducing Carbon Footprint in your Enterprise with TechR2

TechR2 helps companies become Carbon Neutral through our ISO 14001 environmental program and our supporting patented processes and products. We have followed a Zero Landfill policy since 1998 using Earth smart technologies. Our patented processes are unique to the industry since we use Product IDs (PIDs) to track your data bearing devices and key network equipment for accuracy.

Each year, TechR2 customers receive the IT Audit Specification Bulletin rule sheet, so as a team, we can stay current with the industry trends. The Audit Specification Bulletin document is sent to our customer Point of Contact in the fourth quarter of the year.

TechR2's global reach is to North and South America, Europe, and Asia where we are supported by the best regional and data compliant environmental partners. TechR2 is ISO 14001 certified for environmental processes and has been designated as a Category III (top tier) partner by a major Fortune company.

Since all the End-of-Life devices are in the last stage of the technology lifecycle, it is critical for 100% accuracy of the initial data eradication process. Most ITAD vendors as found by the US IG and GAO auditors are not cybersecurity compliant and

certified. TechR2 has multiple ISO and NIST certifications such as the new ISO 20243 along with 27001, 31000, 14001, 9001 and 45001 certifications. We are NIST 800-171 compliant to the DFARS standard and we are internally and externally audited annually to SOC-2, and HIPAA. We are safety inspected yearly by Avetta and SMAT.

TechR2 patented Tear-A-Byte® process is the top End of Life (EoL) solution recognized by the USPTO for data destruction. TechR2 has a patent for an advanced degaussing mechanism and has a dozen patent pending innovations for the newest mechanisms for data destruction.

TechR2's Tear-A-Vault® system is the utmost scheme to protect your endpoint devices during your refresh cycle and helps your organization to be secure and planet friendly.

TechR2's Tear-A-Box (techBOX®) system allows customers to process non data bearing devices and they can PID and audit each device into the secure container.

TechR2's Tear-A-Wipe® system is our software application and tracking system for data eradication overwrite.

# Carbon Footprint Reduction and Sustainability Program

## President and CEO Statement

### Carbon Neutral by 2050

At TechR2, we promote a holistic approach to environmental stewardship. Our thinking emphasizes the interconnectedness of all things and the importance of caring for the planet. Our team is encouraged to be conscious of their environmental impact, promote sustainable practices, and contribute to the well-being of the planet.

The application of these principles can manifest in various ways, such as:

**Stewardship:** Taking care of the environment and being responsible custodians of the Earth.

**Sustainable Living:** Embracing lifestyles that are mindful of resource use, waste reduction, and environmental conservation.

**Community Engagement:** Working collaboratively with local communities to address environmental challenges and promote sustainable development.

**Education:** Raising awareness about environmental issues and the interconnectedness of social, economic, and environmental well-being.

TechR2 follows its ISO 14001 and global initiatives like the Paris Agreement to involve integrating sustainable practices, reducing environmental impacts, and contributing to broader goals of environmental responsibility. The goal of TechR2, like other organizations and consumers in the world, is to achieve net zero emissions by 2050. We will accomplish this feat by our dynamic efficiency program, our innovative development of low power data destruction mechanisms, and our constant education of our clients, our vendors, our employees and our community.

Consider joining us with this vision.

President and CEO

# Carbon Footprint Reduction and Sustainability Program

## Features and Benefits of the TechR2 Inventory Manager Application

TechR2 systems and solutions are supported by the ISO and NIST compliant Inventory Management software application.

### Customer Portal Features:

- ✓ Secure Data that meets all NIST, ISO and industry data security requirements.
- ✓ Quality-of-life fixes give customer's techs more user satisfaction.
- ✓ API compatibility with Service Now
- ✓ OCR enhanced for speed and accuracy.

### Inventory Manager Features:

- ✓ Faster Audits.
- ✓ ISO 27001, 20243 and NIST Cybersecurity inspected and compliant.
- ✓ Historical analysis of data bearing devices.
- ✓ Financial analysis report that shows any credits.
- ✓ Certificate of Destruction and Audit Report.
- ✓ Tracking Reports.
- ✓ Carbon Footprint Reduction and Sustainability Program.
- ✓ Access Control Report.
- ✓ Training and Certification Reports.

# Carbon Footprint Reduction and Sustainability Program

## TechR2 E-Waste Report for Zero Landfill and ISO 14001 Recycling

### Tracking

TechR2 tracks the following pounds (kilograms) of the following recycled devices.

AC Adapters, Alkaline batteries, Aluminum, Arrays units, CAT5 (Ethernet cable), Circuit boards (High grade/low grade), Composite material, Crushed hard drives, Damaged laptops, Damaged TV's, Docking stations, Finger cards, Hard drive caddies, LCD monitors, Li-ion batteries, Miscellaneous materials, Mixed wire, Monitor stands, Network equipment, Ni-Mh batteries, Non-working CPU's, Non-working servers, Plastic, Power strips, Power supplies with wire, Printers, RAM, Scrap phones, Steel, Toner, and UPS.

TechR2 tracks the numbers of devices along with the weight (pounds and or kilograms) for re-use.

TechR2 computes from the amount of e-waste product to hours of electricity, CO2, Renewable electricity, lbs of coal, gas fuel oil, metal in the landfill, tons of trees, wastewater reduction, BTU of avoided energy, Greenhouse gases, carbon emissions from gasoline.

### TechR2 E-Waste Report for Zero Landfill and ISO 14001 Recycling

The audited data is transformed into a quarterly report.

### TechR2 Software Application

On the TechR2 Customer Portal, there is a single page definition of the Green and the Sustainability Report.

# Carbon Footprint Reduction and Sustainability Program

## TechR2 PELM Report Format

TechR2 does quarterly PELM Reports that meet our Kyndryl customers' requirements.

<b>Supplier Name</b>		<b>TechR2 LLC</b>
A1	Address	12477 Broad St SW
A2	City	Pataskala, OH
A3	Country or Jurisdiction	USA
A4	Contact Name	Marc Swearengen
A5	Contact Email	mswearengen@techr2.com
A6	Report Date	7/22/2023
A7	Year	2023
A8	Quarter	2nd

### Recovered / recycled as materials

R1	Plastics	911.90
R2	Glass	0.00
R3	Ferrous metals (Other than those in the Hazm at section)	0.00
R4	Non-ferrous metals	1687.00
R5	Precious metals	0.00
R6	Hazardous materials (Lead, Cadmium, Mercury, Chrome VI)	0.00
R7	Batteries	0.00
R8	Cathode Ray Tubes (CRTs)	0.00
R9	Packaging materials (Wood, paper, cardboard)	233.10
R10	Other product scrap/waste recycled as materials	0.00

### Incinerated to energy

IE1	Plastics	0.00
IE2	Consumables	0.00
IE3	Glass	0.00
IE4	Ferrous metals (Other than those in the Hazm at section)	0.00
IE5	Non-ferrous metals	0.00
IE6	Precious metals	0.00
IE7	Hazardous materials (Lead, Cadmium, Mercury, Chrome VI)	0.00
IE8	Batteries	0.00
IE9	Packaging materials (Wood, paper, cardboard)	0.00
IE10	Cathode Ray Tubes (CRTs)	0.00
IE11	Other product scrap/waste incinerated for waste to energy	0.00



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## Incinerated as treatment

IT1	Plastics	0.00
IT2	Consumables	0.00
IT3	Glass	0.00
IT4	Ferrous metals (Other than those in the Hazm at section)	0.00
IT5	Non-ferrous metals	0.00
IT6	Precious metals	0.00
IT7	Hazardous materials (Lead, Cadmium, Mercury, Chrome VI)	0.00
IT8	Batteries	0.00
IT9	Packaging materials (wood, paper, cardboard)	0.00
IT10	Cathode Ray Tubes (CRTs)	0.00
IT11	Other product scrap/waste incinerated	0.00

## Landfilled

L1	Plastics	0.00
L2	Consumables	0.00
L3	Glass	0.00
L4	Ferrous metals (Other than those in the Hazm at section)	0.00
L5	Non-ferrous metals	0.00
L6	Precious metals	0.00
L7	Hazardous materials (Lead, Cadmium, Mercury, Chrome VI)	0.00
L8	Batteries	0.00
L9	Packaging materials (wood, paper, cardboard)	0.00
L10	Cathode Ray Tubes (CRTs)	0.00
L11	Other product scrap/waste landfilled	0.00

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## Next Steps

Contact our experienced TechR2 staff to learn more.

## Contributing Authors



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We offer **one** standard of service: **Excellence.**



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