DELL Technologies

Brochure

Sustainability & efficiency in Dell products, services and solutions

Leading the industry in sustainable practices to reduce the environmental impact of our technology.

TABLE OF CONTENTS

Advancing sustainability across Dell Technologies

Dell's end-to-end approach to sustainability is a natural extension of our mission to create technologies that drive human progress. By embedding environmental responsibility into every aspect of our business, we aim to deliver meaningful, scalable change for people and the planet. This comprehensive strategy focuses on three key areas:

Back end
We integrate sustainable practices into our internal operations, enhancing energy-efficiency, managing resources responsibly, and reducing our overall environmental impact.

Front end
We design and deliver innovative, energy-efficient solutions that empower our customers to achieve their sustainability goals while fostering progress and innovation.

Collective Impact:
We build impactful partnerships across industries, driving collaborative efforts to address global challenges and create scalable, sustainable solutions.

Through this end-to-end approach, we're enabling real-world progress and empowering individuals, organizations, and communities to shape a brighter, more sustainable future.

Achieving your goals sustainably

At Dell, we want to help you achieve your goals with end-to-end sustainability. We aim to drive innovation responsibly, empowering you with more sustainable AI, circular IT practices, and energy-efficiency technologies.

We focus our efforts in three main categories:

AI & Sustainability
Implementing AI efficiently and responsibly.

Energy-Efficiency and Climate Action
Reducing energy consumption, lowering emissions across the IT operations.

Circularity
Designing technologies with circularity in mind to keep products and materials in use as long as possible.

AI & Sustainability

Artificial intelligence has the power to revolutionize industries, and Dell Technologies is dedicated to making this transformation both responsible and sustainable. By optimizing energy use, designing for circularity, and driving societal progress, we empower you to implement AI efficiently and responsibly.

Lower energy and cooling costs

Our hardware is designed to balance workloads and energy consumption efficiently, helping reduce costs.

Transition to AI with circularity in mind

Switch to AI-ready devices responsibly by retiring old tech and choosing more sustainable devices.

Utilize AI for human progress

Implementing AI in your organization can drive meaningful change that enhances societal and environmental progress.

Download our eBook for more details.

Energy-efficiency and Climate Action

We're dedicated to helping your business reduce its carbon footprint through energy-efficiency and sustainable practices. Climate action is at the heart of our purpose, enabling organizations to implement energy-saving solutions and take meaningful steps toward a more sustainable future.

Reduce your IT carbon footprint

We calculate the Product Carbon Footprint of our products to identify opportunities to reduce and improve with each new product.

Design a more efficient data center

Dell leads in cooling technology with innovation in air, liquid cooling and heat capture, enhancing data center performance, scalability, and sustainability.

Create efficient workspaces

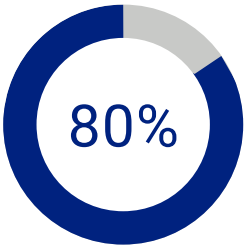
PCs, displays, and peripherals are engineered to use less energy while maintaining productivity.

Use data to drive efficiency

We make our technology denser while simplifying data storage to reduce physical and carbon footprints in the data centers.

1 PowerEdge Server

One new PowerEdge servercan do the work of up to seven previous generation servers.[2]



Dell AI PCs run up to 34% cooler and are 80% more energy-efficient when utilizing AI-driven tools that boost productivity and streamline tasks.[3]

Ecolabels

We adhere to the highest standards of sustainability set by the following ecolabels:

- ENERGY STAR®
- EPEAT including EPEAT Climate+
- TCO Certified, Generation 10
- French Repairability Index
- China Environmental Labeling Program (CELP)

300+
EPEAT Climate+ registered products[1]

Building a more efficient data center

We work with you to design or modernize data centers that prioritize energy-efficiency and smart operations. From liquid cooling to heat capture, we deploy advanced technologies that cut energy waste and boost performance—helping you meet your goals with intelligent, future-ready infrastructure.

Efficient Infrastructure

Energy-efficient hardware

Dell's energy-efficient hardware and data center solutions offer high performance per watt, using designs that reduce energy use while maintaining reliability and output.

Advanced cooling

Dell leads in cooling technology with innovation in air, liquid cooling and heat capture, enhancing data center performance, scalability, and sustainability.

Infrastructure consolidation

We make our technology denser while simplifying data storage to reduce physical and carbon footprints in the data centers.

32x CPU performance

Since 2011, PowerEdge servers achieved up to 32x the CPU performance with less than 3x increase in CPU TDP. That's up to 1,000% improvement in CPU performance per watt.[4]

World Record

Dell PowerEdge R570 delivers World Record for Intel performance per watt[5]

Circularity

We look for every opportunity to make, deliver, use and recover our products responsibly and sustainably, aiming to keep products, components and their materials in the circular economy for as long as possible.

Recycle

We have strict standards and guidelines for responsible end-of-life disposition and work with a global network of partners to ensure e-waste is securely and responsibly managed

Design

By simplifying our product design and using fewer materials from the start, we help reduce emissions and negative environmental impact while incorporating more sustainably sourced materials

Recover and reuse

We recover your retired technology and refurbish to reuse or resell – giving you value back through our easy-to-use services for consumers and businesses, including as-a-Service (aaS) models

Build

We use more recycled, renewable, bio-based steel, carbon fiber, copper and aluminum in our components and products than ever

Manage

Our services help you increase efficiency and reduce waste through innovative management processes

Use

We are lowering the energy intensity of our technology and offer services to reduce energy waste, emissions and operational costs

Ship

Dell's packaging uses recycled and renewable materials as well as reusable crates where possible.

Designing for circularity

Dell is advancing circular design by prioritizing more sustainable materials, eliminating packaging waste, and making products easier to repair and built to last. These efforts reduce waste, extend product life, and support a more resource-efficient IT ecosystem.

More Sustainable Materials

Our products and packaging are thoughtfully designed with recycled, renewable, and low-emission materials, promoting circularity to reduce waste, enhance recyclability, and shrink their environmental footprint.

Download the eBook

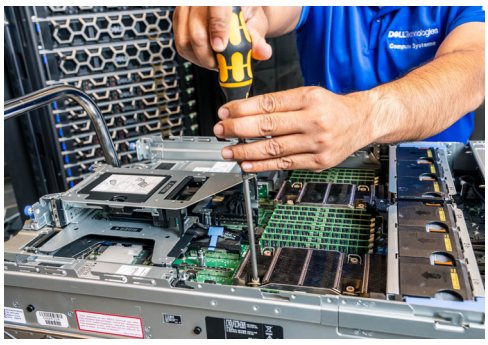
Responsible packaging

We're evolving our packaging to responsibly support a wide range of product sizes, weights, and shipping needs. Today, 97% of our packaging uses 100% recycled and renewable materials[6] —including multipack options for volume orders— to cut waste and improve material efficiency.

Download the infographic

Improved repair and durability

Our products feature modular, tool-less, and color-coded components for easy serviceability. With tools like the AR Assistant app for self-repairs and ProSupport Plus with telemetry for predictive maintenance, we help minimize downtime and keep systems running smoothly.



Sustainable Solutions in Services

Our portfolio delivers sustainability by integrating solutions that help customers achieve their environmental goals while driving profitability.

RECOVER & RECYCLE

Recovery & Recycling Services

Comprehensively handles all facets of asset retirement, offering reuse, resale or recycling solutions alongside secure data sanitization services.

DESIGN & BUILD

Professional Services

Assists in reducing your carbon footprint and cutting energy expenses. Aids in constructing environmentally-conscious ecosystems by leveraging sustainable technology, meticulously designed and built for long-term sustainability.

USE & MANAGE

Support & Managed Services

Evaluates and enhances energy-efficiency to minimize energy consumption and carbon emissions, resulting in cost-effective solutions and positive environmental impacts.

CONFIGURE & SHIP

Deployment Services

Efficiently deploys new systems while minimizing environmental impact through streamlined logistics and the use of rapidly renewable packaging materials.

Learn more at Dell.com/Services

Lifecycle Management Solutions

Dell APEX PC as a Service

Dell APEX PC as a Service reduces environmental impact by optimizing device lifecycles—cutting overprovisioning, extending product use, and streamlining recycling through circular practices. It also lowers emissions and waste through more energy-efficient devices, sustainable materials, and centralized logistics.[7]

Learn more about Dell APEX PC as a Service

Technology Rotation

A business strategy enabling organizations to keep cash on hand, take advantage of current-state technology and contribute to the circular economy available for Dell Infrastructure Servers and Storage

Learn more about Technology Rotation

Featured products

Dell Pro Premium

World's first Modular USB-C port for improved durability and easier repairs.[8] Recycled materials in the build like recycled magnesium, plastic and cobalt.[9]

Dell Pro Max

Designed with recycled materials like post-consumer recycled plastic, bio-based plastic, reclaimed carbon fiber, recycled ocean-bound plastic and recycled cobalt batteries.[10]

Dell Pro Micro

Industry leading in the use of a 50% recycled steel chassis.[11] Other recycled materials include post-consumer recycled plastic, closed loop plastic and recycled ocean-bound plastic.[12]

Dell 14 Plus

Designed with materials like recycled and low emissions aluminum, recycled steel, recycled ocean-bound plastic and post-consumer recycled plastic.[13]

Dell Pro Plus

Designed with materials like low emissions and recycled aluminum, post-consumer recycled plastic and bio-based plastic.[14] Also, features the world's first Modular USB-C Port that is more durable and easier to repair.[15]

Dell Pro 27 Plus Monitor

Designed with materials like recycled plastic,[16] recycled steel,[17] recycled aluminum[18] and recycled glass.[19] Ships in a box made with 100% renewable or recyclable box.[20]

Dell Pro Dock - WD25

Designed with the industry's highest post-consumer recycled plastic,[21] 65%. Ships in 100% recycled or renewable packaging.[22]

Dell Pro 13-14 Plus EcoLoop Backpack

Crafted with organization and comfort in mind, we incorporate 100% ocean-bound plastic into its exterior main fabric.[23] Ships in plastic-free and 100% recycled or renewable packaging.[24]

Commercial PC Batteries

Dell has the widest portfolio of commercial PCs with recycled cobalt batteries.[25] The 45whr battery is designed with around 80% reduced cobalt.[26]

PowerEdge R660 Rack Server

New "Smart Flow" configurations delivers up to 14.6% more airflow than the traditional 10 x 2.5" chassis.[27]

PowerStore 3200Q

Responsibly meet business needs with minimal energy use. Our new hardware, powered by cutting-edge QLC Storage technology, delivers enterprise-level capabilities and high performance. Adapt easily to evolving business demands on a cost-effective platform.

PowerEdge R570

Dell PowerEdge R570 delivers World Record for Intel performance per watt.[28]

Legal disclaimers

1. Based on EPEAT Registry data as of June 2025, varies by country.
2. Based on internal analysis, March 2023. Applies to: PowerEdge C6620, PowerEdge R660, PowerEdge R6615, PowerEdge 6625, PowerEdge R760, PowerEdge 7615, PowerEdge 7625, PowerEdge XR4000r, PowerEdge XR4000z.
3. Based on internal analysis and testing, May 2025. Upstage WriteUp AI on-device writing assistant features running on devices with Intel® Core™ Ultra 200V series processors was compared to previous-generation Intel® Core™ Ultra processors.
4. Internal analysis, March 2024. CPU performance results are publicly available on spec.org. Based on comparing the floating point rate performance and CPU TDP of the PowerEdge R710 with 2x Intel Xeon X5690 processors and PowerEdge R760 with 2x Intel Xeon Platinum 8592+ processors. Internally verified ratio used to convert CPU2006 results to CPU2017 results. Actual results may vary.
5. Based on Dell testing with Servers at Dell Performance Labs and publicly available performance results submitted on https://www.spec.org/power_ssj2008/results/ on March 10 2025 for Dell PowerEdge R570 with Intel 6th Gen Xeon SP 6787P (86 cores) which achieved avaerage Perf/watt 21,089 as compared to all submissions on 2U, 1 Socket with 6787P CPU.
6. Dell Technologies By The Numbers Report, June 2025.
7. Payment solutions provided and serviced by Dell Financial Services L.L.C. or its affiliate or designee ("DFS") for qualified customers. Offers may not be available or may vary in certain countries. Where available offers may be changed without notice and are subject to product availability, applicable law, credit approval, documentation provided by and acceptable to DFS and may be subject to minimum transaction size. Offers not available for personal, family or household use. Dell Technologies and the Dell Technologies logo are trademarks of Dell Inc. Restrictions and additional requirements may apply to transactions with governmental or public entities. Dell APEX PCaaS: At the end of the contract, the customer may renew the contract or return the equipment to DFS.
8. Applies to Dell Pro, Dell Pro Plus, and Dell Pro Premium laptops launching in 2025. Based on internal analysis, November 2024. Read warranty information for port replacement instructions.
9. Based on internal analysis, November 2024. post-consumer recycled plastic: 98% in the battery frame, 50% in the bezel frame and 30% in the speaker housing; recycled cobalt:50% in the PC battery (40Whr and 60Whr); recycled magnesium:90% in the lid, palm rest and bottom cover, bio-based plastic:46% in the bumpers.
10. Based on internal analysis, December 2024. 50% post-consumer recycled plastic in the bezel, palmrest innerframe, 30% in the top cover, bottom cover and speaker housing 50% recycled cobalt in the 64whr, 72whr and 96whr batteries, 42% bio-based plastic bottom bumpers and 21% bio-based plastic in the top and bottom covers, 28% recycled ocean-bound plastic in the fan housing and 20% reclaimed carbon fiber in the top and bottom covers.
11. Percentage applies to total steel weight in the chassis. Includes OptiPlex Micro, OptiPlex Micro Plus, OptiPlex Tower, OptiPlex SFF , OptiPlex SFF Plus, Dell Pro Micro, Dell Pro Micro Plus, Dell Pro Tower, Dell Pro Slim and Dell Pro Slim Plus. Based on internal analysis, January 2025
12. Based on internal analysis, March 2025. Percentage is based on plastic weight. Post-consumer recycled plastic: 47.7%, closed-loop ITE-derived plastic:16.1%. 50% recycled steel in the chassis. 13% recycled ocean-bound plastic in the fan and fan-housing.
13. Based on internal analysis, January 2025. Recycled(50%) and low emissions(50%) aluminum in the top cover. 25% recycled ocean bound plastic in the fan-housing 15% recycled steel in the touchpad bracket and up to 21% post-consumer recycled plastic throughout.
14. Based on internal analysis, November 2024. Post consumer recycled plastic: 50% low emissions aluminum and 50% recycled aluminum in the top cover and palmrest. 98% in the battery frame, 50% in bezel frame, 30% in inner frame of the top cover and bottom cover and speaker housing, 46% bio-based rubber bumpers, 28% recycled ocean-bound plastic in the fan housing, 10% recycled glass in the panel and 80% less cobalt in the 45whr battery. Cobalt reduction in the battery is 80% reduced cobalt use in NCM battery technology compared with LCO battery technology.
15. Applies to Dell Pro, Dell Pro Plus, and Dell Pro Premium laptops launching in 2025. Based on internal analysis, November 2024. Read warranty information for port
16. Percentage is based on plastic weight. Based on internal analysis, March 2025. Up to 67% post-consumer recycled plastic and up to 21% closed- loop ITE-derived plastic.
17. Recycled steel is in the monitor head and stand. Based on internal analysis, January 2025.
18. Recycled aluminum is in the monitor stand. Based on internal analysis, January 2025.
19. Applicable to all new monitors launching in CY 2025. Recycled glass is present in monitor panel. Based on internal analysis, January 2025.
20. Applies to all Dell monitors launched since 2023. Made from FSC mix sources which is a mix of material from FSC certified forests, recycled content and/or FSC controlled wood. Based on internal analysis, August 2023.
21. Based on internal analysis, December 2024. 65% post-consumer recycled plastic in the chassis. Applies to docks comparable with the Dell Pro Dock - WD25, Dell Pro Smart Dock - SD25, Dell Pro Thunderbolt 4 Smart Dock - SD25TB4 and Dell Pro Thunderbolt 5 Smart Dock -SD25TB5.
22. Contains 92.9% recycled content and 7.1% renewable materials. Renewable materials in the form of sustainably forested materials. Excludes optional items added to order and included in the box.
23. Ocean-bound plastic is waste collected within 50 kilometers (30 miles) of an ocean coastline or major waterway.
24. Renewable materials in the form of sustainably forested materials. Excludes optional items added to order and included in box.
25. Based on internal analysis, of publicly available data, February 2025. 50% recycled cobalt in PC batteries.
26. Based on internal analysis, January 2025. Entry battery(45 whr) uses NCM technology and has 80% lesser cobalt compared to LCO technology.
27. Based on internal analysis, October 2022.
28. Based on Dell testing with Servers at Dell Performance Labs and publicly available performance results submitted on https://www.spec.org/power_ssj2008/results/ on March 10 2025 for Dell PowerEdge R570 with Intel 6th Gen Xeon SP 6787P (86 cores) which achieved avaerage Perf/watt 21,089 as compared to all submissions on 2U, 1 Socket with 6787P CPU.

Learn more about Dell Sustainability solutions

Contact a Dell Technologies Expert

View more ESG resources

Join the conversation

DELL Technologies