



Lenovo Sustainability Solutions

Smarter climate action
across the IT lifecycle

Smarter
technology
for all

Lenovo



More than 75% of executives agree sustainability is central to their business.¹ But while 50% of companies have sustainability strategies, only 18% have well-defined objectives and timelines.¹ Companies need to set and achieve environmental goals to stay relevant, competitive, and do the right thing for our planet.



50%
of companies have a
sustainability strategy.¹



18%
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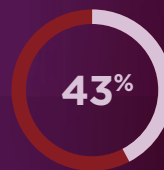
At Lenovo, we've built sustainability into every part of our business. We believe sharing what we know today with our customers and global network of partners lets us work together to build a more sustainable future with meaning and opportunity for all.

Lenovo Sustainability Solutions equip and empower you to pursue your sustainability objectives. We meet you wherever you are on the journey — helping you access the right solutions to turn aspiration into action.

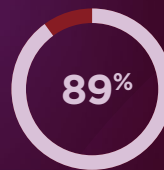


Committed to achieving net-zero by 2050

As a global technology powerhouse, we recognize that Lenovo can help make the world more sustainable through innovative applications of our technology. We are committed to achieving net-zero greenhouse gas emissions by 2050 — the first PC and smartphone manufacturer to have a net-zero commitment validated through the Science Based Targets initiative (SBTi) Net-Zero Standard.



Globally, only **43%**
of executives say
they're aware of their
organization's IT footprint.¹



of organizations
recycle less than 10%
of their IT hardware.¹

Build your organization on a sustainable foundation

Making environmentally conscious IT choices can go far beyond comparing energy efficiency scores. From how we make and ship your technology to how you use and return it, we're working to help you reduce waste, save costs, better manage your carbon footprint, and pursue a circular way of doing business.

Through a detailed **sustainability workshop**, Lenovo experts can help you evaluate your overall IT footprint. By leveraging our **in-house AI-powered Sustainability Advisor, LISSA**, Lenovo experts can help you identify emissions-reduction opportunities across the IT lifecycle and recommend solutions that can help reduce your overall IT footprint.



Lenovo pioneers.



Sustainable manufacturing

Partnering with Lenovo means buying responsibly. We're leading the charge in using recycled materials like aluminum and post-consumer recycled content (PCC). We use closed-loop PCC in **222 products**. And we pioneered low-temperature solder (LTS) technology that supports our climate change mitigation goals in the manufacturing process.

LTS has resulted in a total reduction of **10,000 metric tons** of CO₂ emissions since 2017 while also providing reliable products with a lower carbon footprint. LTS also drives benefits extending beyond the environment — including improved reliability, efficiency, and cost.



12M kilograms of plastic containing recycled content went into our products in 2024.



10,000

Low-temperature solder (LTS) has resulted in a total reduction of **10,000 metric tons of CO₂** emissions since 2017.

We pioneered low-temperature solder (LTS) technology that supports our climate change mitigation goals in the manufacturing process.

Lenovo



Innovative packaging

By using bio-based materials like bamboo and sugarcane, we've made our packaging sleek, lightweight, and 100% rapid-renewable. We've increased the use of ocean-bound plastic (OBP) in our packaging bags and cushions, with **30% OBP** in select products. And we use a **rack integration** solution to ship pre-installed servers, dramatically reducing packaging waste.

Plastic-free

primary packaging for all
ThinkPad series²



Did you know?

By FY2025/26, we aim to eliminate 100,000 km of single use plastic packaging tape.



Reimagined logistics

We've got new ways to get your IT solutions from point A to point B with less environmental impact, including **bulk packaging** and **ocean freight** options, which can help lower emissions from transportation.



End-to-end energy efficiency

Lenovo notebooks, desktops, servers, and monitors meet and often exceed the current ENERGY STAR® requirements. And a new high-density storage enclosure increases power efficiency up to 62% to support carbon footprint reduction for a **more sustainable data center**.*

100%

of commercial notebooks (ThinkPad) and desktops (ThinkCentre) are ENERGY STAR® certified.

Did you know?

Lenovo is the #1 supplier of supercomputers, according to Top500.org.³



Lenovo



Take smarter climate action for everyday energy efficiency

Partner with Lenovo to implement more sustainable, cost-efficient practices across the device lifecycle and make a meaningful difference in how you use technology.

Lenovo innovates.



Drive ROI and sustainability — one device at a time

Lenovo TruScale DaaS for Sustainability makes it easy to take action on your IT sustainability goals — without added complexity or cost. Delivered through a flexible, subscription-based model, it helps you manage your device fleet more efficiently, reduce waste, and drive circularity across the IT lifecycle.

Track progress effortlessly with the **Lenovo Carbon Impact Portal**, giving you access to verified, device-level data on carbon footprint, energy rating, packaging, transport mode, and offset activity. **CO₂ Offset Services** are built in, providing a simple, low-effort way to take immediate climate action across your fleet.

With **Lenovo Asset Recovery Services**, you can responsibly retire aging assets and unlock remaining value as you transition to a flexible pay-as-you-go model. And by integrating **Lenovo Certified Refurbished Devices** into your IT refresh strategy, you can reduce overall footprint and refresh costs — while maintaining enterprise-grade performance and full warranty support.



Groundbreaking water-cooling technology

Tackle the data center's toughest challenge: cooling. **Lenovo Neptune®** direct water cooling delivers **100% heat removal efficiency** and up to **40% lower power consumption**.⁴ The warm water loop is closed and uses a tiny fraction of what evaporative cooling uses, so you can power through the most compute-intensive workloads more energy-efficiently.



Take advantage of **Lenovo Power and Cooling Services** to plan, implement, and manage Neptune systems. And let our Energy Aware Runtime (EAR) software and xClarity Energy Manager optimize your power states, turn off unused components, and route workloads to the most efficient resources, delivering optimal performance with lower energy consumption.

Be an integral part of the circular economy

The circular economy is about reducing waste and extending usability — maximizing the value of goods while minimizing their environmental impact.

Partner with us to deploy technology designed to support the circular economy, and take advantage of services throughout the lifecycle that help you manage your carbon footprint.

A tailored approach to sustainability

Our end-to-end services help identify gaps in your strategy, evaluate the most efficient way to manage your IT footprint, and provide guidance to take tangible actions — wherever you are on the journey.

Lenovo supports.



All the Rs: Recycle, repair, refurbish, reuse, return, recover

Hardware-agnostic and globally scalable, **Lenovo Asset Recovery Services** help you securely retire devices across your fleet with minimal IT effort. Through the Lenovo Service Connect portal, you can automate recovery workflows, schedule pickups, and track every step through to compliant processing. Devices are evaluated for reuse, refurbishment, or recycling, with eligible buy-back value returned as a direct deposit or flexible credit on account — giving you more ways to fund digital workplace transformations.

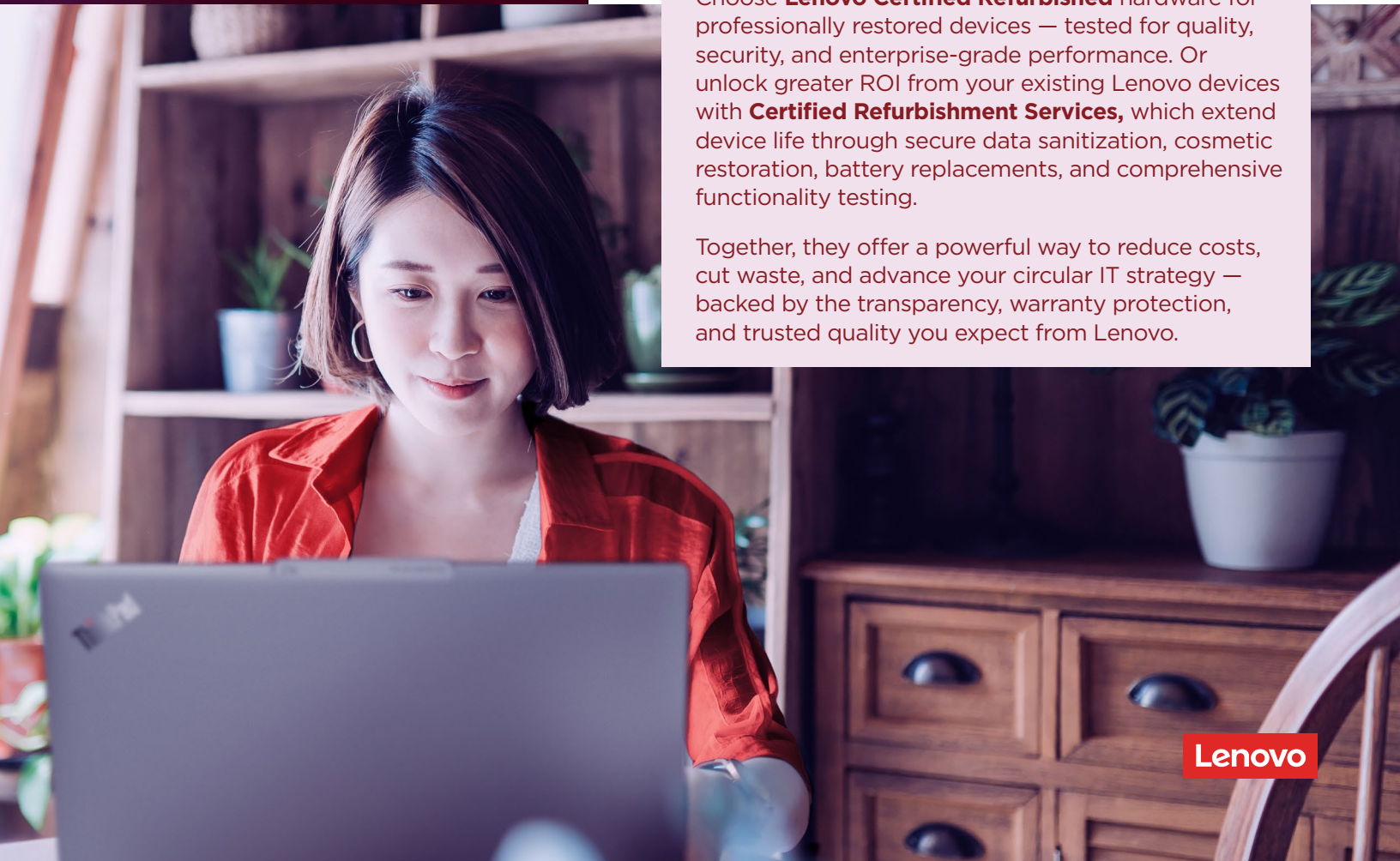


Prolong device usability

Extend device refresh cycles with **Lenovo Premier Support Plus**. It delivers proactive and predictive alerts, easy fixes, priority technician access, quick onsite repairs, and extended battery protection. All of this helps minimize costly downtime and keeps your devices running at peak performance for longer.

Choose **Lenovo Certified Refurbished** hardware for professionally restored devices — tested for quality, security, and enterprise-grade performance. Or unlock greater ROI from your existing Lenovo devices with **Certified Refurbishment Services**, which extend device life through secure data sanitization, cosmetic restoration, battery replacements, and comprehensive functionality testing.

Together, they offer a powerful way to reduce costs, cut waste, and advance your circular IT strategy — backed by the transparency, warranty protection, and trusted quality you expect from Lenovo.





We believe...

This is the time to deepen and expand our global response to the climate crisis — and technology has a pivotal role to play. The decisions organizations make now have a profound impact on generations to come and the future of our planet.

Lenovo meets you wherever you are on the journey — helping you navigate today's sustainability landscape, progress toward your short-term and long-term goals, and measure your impact. Let's work together to make the future more sustainable.

Contact us for a sustainability workshop.

Sources

- 1 Capgemini Research Institute, "Sustainable IT: Why It's Time for a Green Revolution for Your Organization's IT," January 2023
- 2 Lenovo, "Packaging with the Environment in Mind," Month 202X
- 3 Top500, "The List," June 2023
- 4 Lenovo internal source, 2023

* Comparison representative of replacing the predecessor model, the Lenovo D3284, with a Lenovo ThinkSystem D4390. Actual savings will depend on customer environment and usage patterns.

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