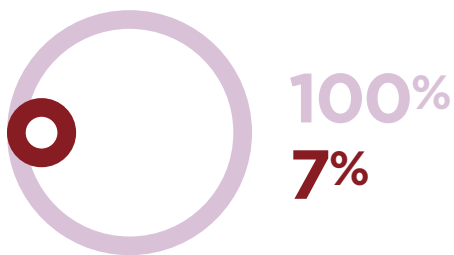# Bridge the gap to sustainability with **smarter** technology

Sustainability tops priority lists for many organizations, with 100% of respondents in one survey stating that technology is a critical component.[1] But only 7% have fully integrated their technology and sustainability strategies.[1]
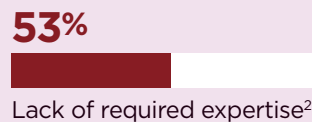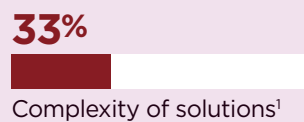
100%
7%

Without unified initiatives, companies are missing out on the full promise of strong sustainability programs — and the fully realized role technology can play in reaching environmental targets.

Sustainability leadership is the newest addition to IT's expanding role. Across sectors, CIOs want tech vendors to drive sustainability as part of their value proposition and are willing to pay more for sustainable IT products and services.[2]

Barriers and benefits

Here's what respondents to industry surveys had to say about implementing sustainable technology in their organizations.

BARRIERS

33%

Complexity of solutions[1]

49%

Difficulty evaluating IT's carbon footprint[2]

53%

Lack of required expertise[2]

BENEFITS

48%

Increased revenues[1]

49%

Talent recruitment[1]

53%

Meeting ESG targets[1]
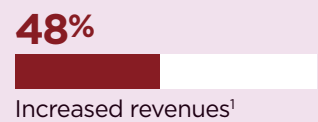
Smarter technology for all

Lenovo

Lenovo delivers tailored sustainability services, devices, and infrastructure solutions from our broad portfolio, and we work closely with you to support your target outcomes across the IT lifecycle.

We work with any size company at any level of experience — partnering with you to future-proof your sustainability investments.

Lenovo Sustainability Solutions equip and empower you to pursue your environmental goals with smarter end-to-end solutions in three areas along the sustainability journey:

1 How you buy technology.
Designing, manufacturing, and shipping technology with sustainability built in

2 How you use technology.
Helping you take smarter climate action to increase energy efficiency, decrease emissions, and manage your carbon footprint

3 How you return your devices.
Supporting circularity with solutions that help minimize e-waste and maximize device lifecycles

Here's a look at these three areas, how sustainable technology contributes to them, and how Lenovo Sustainability Solutions help you make progress toward your goals for each.

Lenovo is committed to achieving net-zero greenhouse gas emissions by 2050 with science-based targets validated through the Science Based Targets initiative (SBTi) Net-Zero Standard.

We are the first PC and smartphone maker to have a net-zero commitment validated by SBTi.

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1. How you buy

Look for technology solutions with sustainability built in — from manufacturing materials and processes to packaging and shipping.

Aligning with a sustainable technology provider demonstrates your commitment, builds your infrastructure on a sustainable foundation, and positions your organization as an environmentally conscious company employees, customers, and investors want to work with.

Partner with Lenovo for responsible sourcing and shipping

Closed-loop PCC sourced from recycled end-of-life IT and electronics equipment in nearly 250 of our products

Plastic-free packaging in select models with 90% recycled and/or sustainable content and bio-based packaging

Minimized material use and packaging waste with bulk packaging

Lower carbon emission modes of transport for your IT equipment

Pick the right partner for the journey

SEEK OUT

- A sustainable technology leader that walks the talk
- An IT innovator that solves both business and environmental challenges
- A trusted partner throughout the solution lifecycle
- An end-to-end solution provider that delivers hardware, software, and services

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2. How you use

Climate actions can be big initiatives or small everyday steps. Technology solutions with sustainability built in help support your environmental commitments and make a meaningful difference in your IT carbon footprint. They help you increase energy efficiency and decrease emissions. Look for ENERGY STAR® rated devices and accessories to reduce your power consumption. And if you want to make a tangible additional contribution, consider carbon offsetting your IT fleet.

Increasingly popular as-a-service models free you from overprovisioning and let you optimize end-user device lifecycles and data center consumption. Pay only for what you need, conserving resources and gaining the agility to scale up or down with changing requirements.

For lower-carbon computing in the data center, consider liquid cooling technology that tackles the challenges of traditional data center cooling, minimizing the trade-off between performance and energy efficiency.

Partner with Lenovo for energy efficiency

Lenovo Neptune™ direct water cooling to enhance server performance with 95% heat removal efficiency and up to 40% lower power consumption[3]

ENERGY STAR® certification for 100% of ThinkPad notebooks and ThinkCentre desktops

Lenovo supercomputer at Flatiron Institute named the world's most energy-efficient on the Green500 list[4]

Lenovo TruScale Infrastructure as a Service to help manage power consumption and usage in the data center

Smarter technology for all

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3. How you return

The circular economy is about reducing waste and extending usability — to maximize the value of goods and minimize their environmental impact. That includes environmentally conscious manufacturing, energy-efficient consumption, extended lifespan, and responsible disposal.

From product design through end of life, the focus is on reducing the need for new raw materials and decreasing the volume of e-waste going to landfills. Supporting the circular economy also includes flexible warranties and fast, high-quality repair services that let organizations minimize costly downtime while keeping devices at peak performance longer. Refurbishing also prolongs usability.

Partner with Lenovo for full-lifecycle circularity

- Lenovo TruScale Device as a Service (TruScale DaaS) to better manage your fleet of end-user devices

- Premier Support Plus with predictive alerts, quick onsite repairs, accidental damage protection, and extended battery warranty

- Asset Recovery Services for secure and responsible IT recycling

- Refurbishment and recertification services to extend device life

What a waste

IN 2019

53.6M
tons of e-waste were generated and only

17.4%
of it was recycled[5]

TODAY

89%
of organizations recycle **less than 10%** of their IT hardware[2]

Join us on the journey

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

Contact us for a sustainability assessment.

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Ready to take action?

Here are some best practices to consider as you begin or build out a sustainability program.

Trusted advisor

Choose a technology company that understands business challenges, sustainability, and IT. Look for innovative solutions that remove the complexity from sustainability initiatives.

Baseline

Less than half of executives know what their organization's IT carbon footprint is.[2] To understand progress, you must know your starting point. Assessment is a crucial first step on any sustainability journey. Knowing your current state is the launching pad for targets, metrics, and identifying what tools you need.

Governance

Make sure IT has a seat at the table for sustainability decisions — nearly half of CIOs don't.[1] Designate a dedicated cross-functional team with clearly defined principles, practices, and plans for measurements and employee training.

Alignment

Only 7% of organizations have fully integrated their technology and sustainability strategies.[1] This is imperative for a successful program. Developing an integrated roadmap and compatible targets will tee up a stronger organization-wide sustainability mission.

Data center

Give your data center a thorough evaluation to understand its energy consumption and opportunities for "greening." While you're at it, find out about Lenovo's groundbreaking Neptune™ water cooling technology. Don't forget to consider the rise of AI and its data center demands.

Collaboration

Most organizations are on a sustainability learning curve. Cross-industry collaboration to share insight and best practices is a value-add for everyone. In fact, 43% of companies are now joining industry sustainability-at-scale collaborations, alliances, and advocacy groups focused on eco-friendly technology.[1]

Contact us for a sustainability assessment.

Sources

1 Accenture, "Uniting technology and sustainability," May 2022

2 Capgemini Research Institute, "Sustainable IT," January 2023

3 Lenovo Internal Source, 2023

4 Lenovo StoryHub, "New Flatiron Institute Supercomputer the Most Power-Efficient Ever Built," press release, November 2022

5 United Nations Institute for Training and Research, "Global e-waste surging: Up 21% in 5 years," July 2020

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