

Lenovo
TruScale

A shared vision for sustainability

How IT teams meet sustainability
goals while continuing to pursue
digital transformation

Brought to life by Lenovo TruScale
Everything as a Service



Smarter
technology
for all

Lenovo

Smarter technology choices for a more sustainable future

As IT leaders pursue the digital transformation strategies that move their organizations forward, they're also under increasing pressure to support and meet sustainability goals.

At Lenovo, we believe the right technology solutions have the power to not only help organizations meet those sustainability goals, but also improve productivity and agility along the way.



Through **Lenovo TruScale**, you leverage the inherent flexibility of as-a-service solutions that combine hardware, software, and services into one convenient and predictable consumption-based model — and strengthen your sustainability efforts in four key areas:



Optimizing technology consumption



Embracing a more circular economy



Improving energy efficiency



Managing carbon footprint



Optimizing technology consumption

Lenovo TruScale gives you access to the industry's broadest technology portfolio — from the pocket to the cloud. Every aspect of the technology lifecycle is covered, from provisioning to deployment, support, management, and secure environmental disposal at end of life.

In addition to freeing up your IT teams for more strategic efforts, Lenovo TruScale can improve sustainability by ensuring your technology solutions are **always matched precisely to your needs**. We'll help you design a plan that eliminates waste from the onset and provides predictability going forward.

- 1 Eliminate excess capacity and optimize your resources and costs**
- 2 Scale up or down seamlessly as needs change**

Lenovo TruScale can also deliver up to:



potential reduction in device-related IT costs¹



faster time to productivity.²

Sustainability that's built in

Choosing Lenovo as your technology partner means you're choosing devices and infrastructure with sustainability aspects already designed into how they're made and how they're delivered.



298 of our products contain closed-loop PCC from recycled IT and electronics equipment.³



Bulk packaging for end-user devices helps **reduce packaging waste with less discarded materials and control transit costs** with improved storage and higher pallet utilization.⁴

Packaging on select products is **100% rapid-renewable**.³

Made from bamboo and sugarcane fiber



ocean-bound plastic in select packaging products³

Rack integration provides servers pre-installed and shipped in the rack, **reducing the amount of packaging materials required** and delivering



faster time from arrival to production readiness.⁵



Improving energy efficiency

With Lenovo TruScale, your organization can take advantage of the latest energy-efficient solutions from the Lenovo portfolio.



100% of our commercial notebooks and desktops, and 97% of our commercial monitors, are ENERGY STAR® certified.



Manage your power consumption and usage with advanced TruScale metering technology.

Lenovo Neptune™ direct water cooling provides up to **95% heat removal efficiency** and up to **40% lower power consumption in the data center.**⁵

95%

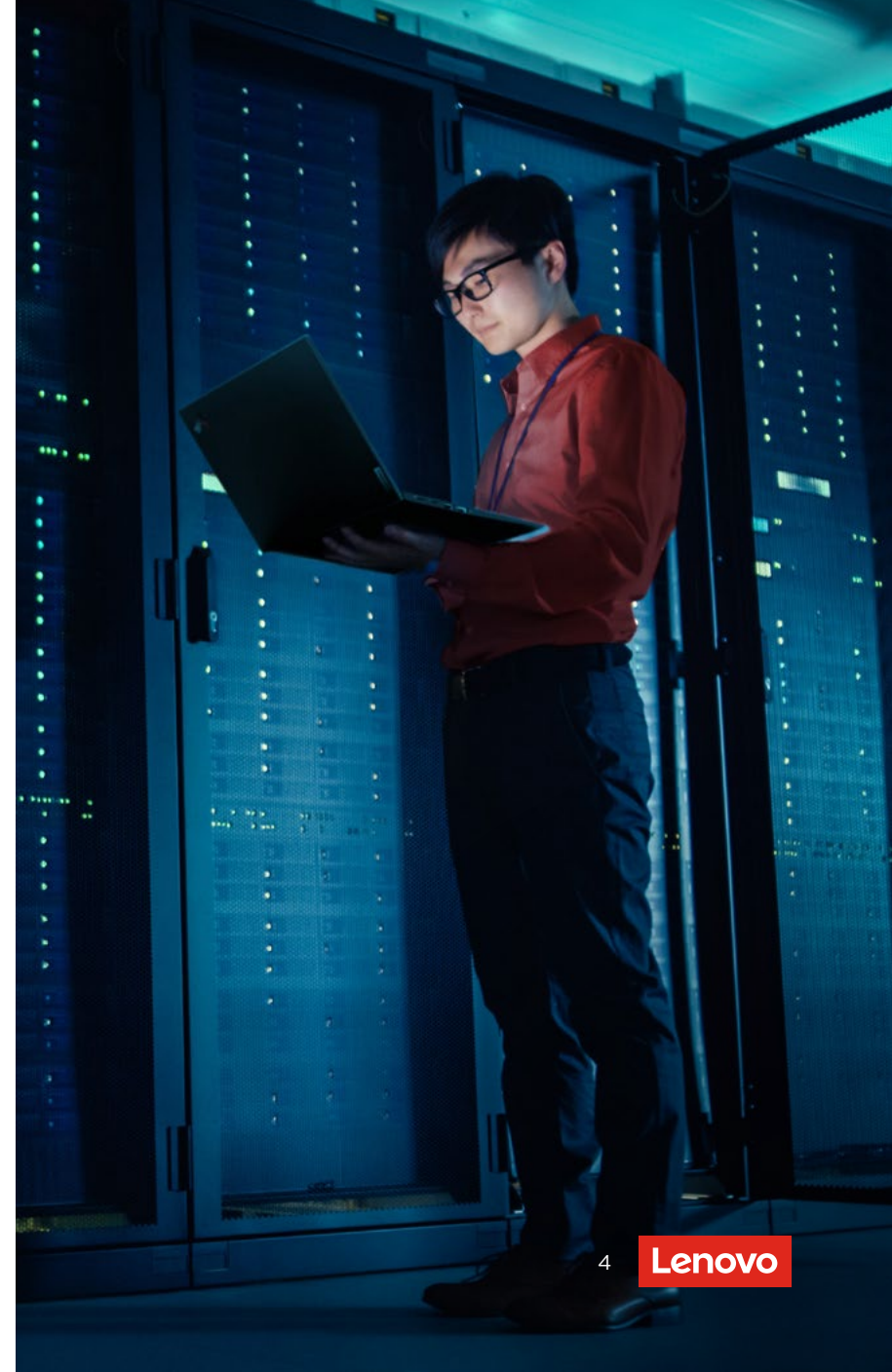


40%



20%

Optimizing your data center with Lenovo TruScale helps **reduce CO₂ emissions and power consumption by up to 20%.**⁶



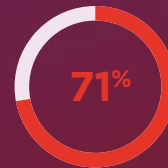


Supporting a more circular economy



Lenovo TruScale solutions also include **Lenovo Asset Recovery Services (ARS)** that will take the burden of managing the environmental and data security risks off your IT team. Lenovo ARS streamlines asset disposal with end-to-end solutions for end-user devices and the data center.

We keep resources circulating by **reusing parts** wherever possible, **refurbishing devices**, and **recycling assets** in an environmentally responsible way.



In 2022, 71% of devices collected through **Asset Recovery Services** were refurbished or reused for parts.⁸



Offsetting technology impact

While reducing emissions and conserving resources is always the goal, Lenovo TruScale can incorporate a simple way to make a tangible difference.

Lenovo CO₂ Offset Services make it easy to offset the estimated carbon emissions associated with Lenovo technology across your organization. The offsets support Climate Action projects verified by independent third-party organizations including the United Nations, CDM, Gold Standard®, and Climate Action Reserve.

You can easily quantify and share your offset metrics through your **personalized sustainability dashboard**.

More than

1,000,000

metric tons of CO₂ offset to date

To date, Lenovo has helped commercial customers offset more than one million metric tons of CO₂.

That's equivalent to the amount of greenhouse gas emitted from driving more than **215,000 passenger vehicles for a whole year**.⁹



Your trusted partner on the road to smarter sustainability

We share your commitment to making a measurable and meaningful difference when it comes to the environment.

1

We have committed to reaching net-zero emissions by 2050 with net-zero targets validated by the **Science Based Targets initiative**.

2

We've **tripled our generation of solar energy since 2018** with solar energy installations at factories and offices around the world.³

3

We're ranked **#8 in the Gartner Supply Chain Top 25** for 2023.¹⁰

A smarter way to unite sustainability and technology

When you add it all up, Lenovo TruScale makes good sense for your organization, your stakeholders, and your workforce. You keep your workforce productive with the latest technology and faster refreshes while reducing waste, expenses, and emissions.

Contact your representative today to learn more about how Lenovo can help you no matter where you are on your sustainability journey.

Sources

- 1 Lenovo TruScale DaaS ROI Tool. This is a sample representation of Lenovo customer data assuming a 3-year replacement cycle with a modern management approach at an average DaaS monthly price, device repair rate of 2%, and IT resource annual salary of \$70,000 USD. The above does not constitute a guarantee of savings. Actual customer savings may vary. All purchases of DaaS are subject to conclusion of a formal contract.
- 2 Based on reduced steps of deployment with Lenovo UEM, per the UEM customer-facing deck.
- 3 Lenovo, 2023 Sustainability Report
- 4 Lenovo, "Reimagining Sustainability Packaging," 2022
- 5 Lenovo, Internal Source, 2023
- 6 TruScale IaaS accurately reports on power and CO₂ emissions, allowing managed infrastructures to be designed, implemented, and tuned not only for performance and capacity but also for CO₂ emissions. Ongoing monitoring of the system using Lenovo XClarity Power Monitor and systems performance figures are used to optimize power consumption by the infrastructure. CO₂ emissions are calculated based on the localized carbon footprint of the power source used.
- 7 Capgemini Research Institute, "Sustainable IT," January 2023
- 8 Measured by weight. Lenovo internal source, 2022.
- 9 Lenovo, "Lenovo CO₂ Offset Services Surpasses 1 Million Metric Tonnes of Carbon Offsets Milestone, as More Businesses Champion Sustainability Practices," October 2022
- 10 Lenovo press release, "Lenovo ranks eighth in the Gartner® Supply Chain Top 25 for 2023," May 2023

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