



Building a more sustainable future

The Lenovo Environmental Story
A Part of our Commercial ESG Commitment

Smarter builds a more resilient way forward.

At Lenovo, we're focused on providing smarter technology that builds a brighter, more sustainable future.

With more than a decade of reporting our sustainability performance, we have a track record of meeting — and even exceeding — our sustainability goals. We're committed to a smarter future, evidenced by our goal of net-zero emissions by 2050.¹

Our four core areas of focus are:



Pursuing **emissions reduction**



Helping to create a **circular economy**



Reducing **packaging waste**



Building more sustainable **supply chains**

“During the last several years, the world has witnessed history quickly unfold as we live through significant complexity and uncertainty.

This rapidly changing context urges the global business community to respond with smarter innovation and more responsible operations, seizing every opportunity to act with a larger purpose in mind.”

Yang Yuanqing

Chairman and CEO
Lenovo Group Limited



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technology
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Pursuing emissions reduction



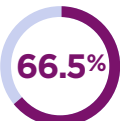

Lenovo is committed to achieving net-zero by 2050.

We are working to reduce our carbon footprint from product design and manufacturing to delivery and lifecycle. Lenovo is the first PC and smartphone maker to have targets validated by the Science Based Targets initiative's (SBTi) Net-Zero Standard.¹

Innovative engineering

We have a broad-based approach that drives innovation in our product design and operations. For instance, our engineers developed a low-temperature solder (LTS) technology that allows us to lower the oven temperature on our manufacturing lines, reducing the energy required and associated emissions. LTS has helped us reduce 10,000 tons of CO₂ emissions since 2017.

On the path to our 2050 goal of net-zero greenhouse gas (GHG) emissions, our near-term 2030 reduction targets are:

-  Reduce absolute Scope 1 and Scope 2 GHG emissions by **50%** by FY 2029/30 from a FY 2018/19 base year.
-  Reduce Scope 3 GHG emissions from use of sold products by **35%** on average for comparable products within the same timeframe.
-  Reduce Scope 3 GHG emissions from purchased goods and services by **66.5%** per million dollars US gross profit within the same timeframe.
-  Reduce Scope 3 GHG emissions from upstream transportation and distribution by **25%** per tonne-kilometre of transported product within the same timeframe.



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The ThinkPad® X1 Fold, powered by Intel vPro®, An Intel® Evo™ Design, is rated gold by the Electronic Product Environmental Assessment Tool (EPEAT).²



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Helping to create a circular economy

Lenovo wants to make sure what goes around comes around. In contrast to a linear approach, our end-to-end services embrace a design-use-return philosophy that optimizes both the technology experience for your users and the utilization of our collective resources. This maximizes the value of each product through its lifecycle and helps keep end-of-life products out of landfills.

End-of-life recycling

Disposal of devices and peripherals is an environmental concern that, if not done right, can also become a security challenge. Lenovo Asset Recovery Services (ARS) helps keep resources circulating by reusing parts wherever possible, refurbishing devices, and recycling assets.

Lenovo TruScale Device as a Service (DaaS)

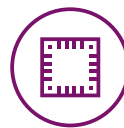
Utilizing a subscription model is an efficient way to manage your fleet of end-user devices, optimizing resources and costs while promoting circularity. Deploy just what you need and responsibly dispose of what you don't.



We've used over **100M** pounds of net recycled plastic in our products and packaging manufacturing since 2005.

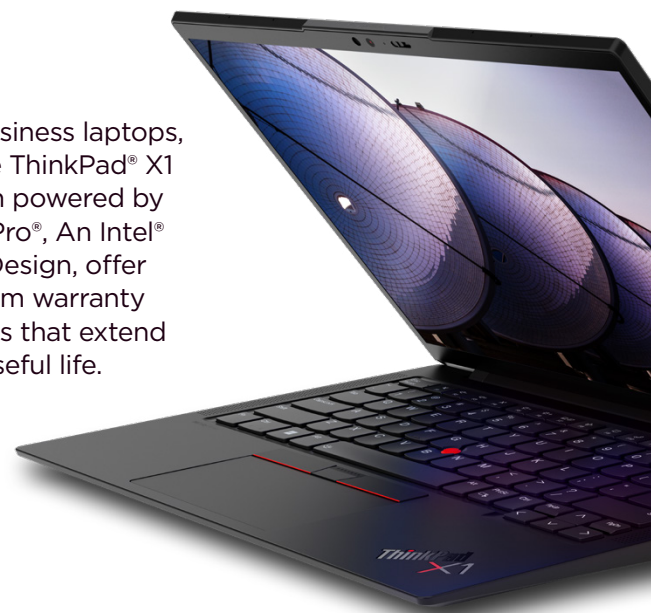


100% of our PC products will contain post-consumer recycled content materials by FY 2025/26.³



By FY 2025/26, **76%** of PC parts returned to our service center will be repaired for future use.⁴

Our business laptops, like the ThinkPad® X1 Carbon powered by Intel vPro®, An Intel® Evo™ Design, offer premium warranty services that extend their useful life.



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Reducing packaging waste

Lenovo's packaging engineers never stop thinking about ways to make our packaging more sustainable through recycled materials and elimination of plastic. Together with reducing waste and innovative design, we are helping to reduce packaging's environmental impact.

Shipping in bulk

We package like devices together to minimize materials used without jeopardizing shipping protection integrity.

Shipping lighter packages

We expanded our use of bamboo fiber to include the ThinkPad X1 retail boxes in FY 2021/22, reducing the weight by 30% compared to the previous retail box.

90% of PC products' plastic packaging will be made from recycled materials by FY 2025/26.⁵



54 tons

of plastic tape are eliminated from Lenovo ThinkPad packaging annually.



3,737 metric tons

of packaging consumption by weight have been eliminated by Lenovo since 2008.

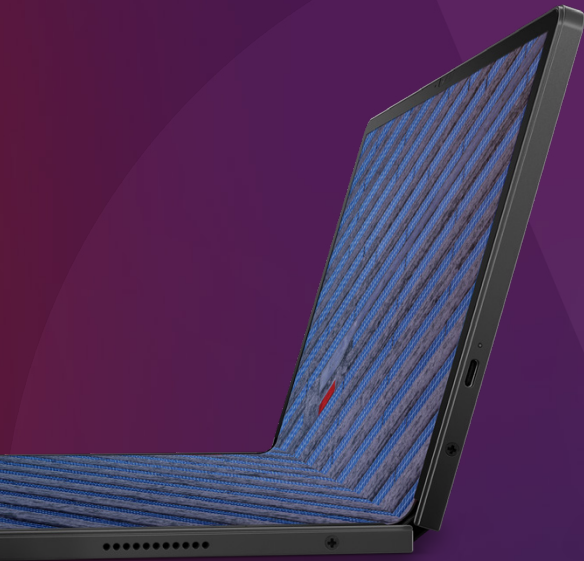


The Lenovo ThinkPad Carbon X1, powered by Intel vPro®, An Intel® Evo Design, is packaged using materials like bamboo and sugarcane, which are 100% rapid-renewable.



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ThinkPad products like the ThinkPad® X1 Fold,⁶ powered by Intel vPro®, An Intel® Evo™ Design, contain recycled plastics sourced from end-of-life IT and electronics equipment.



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Building more sustainable supply chains

We operate a flexible, resilient global supply chain with continuous investments in renewable energy projects, sourcing, transportation, logistics, and end-of-life management programs. We also work closely with our partners to help them meet emissions reduction and sustainability goals.

Product reintegration

Reverse supply chains help us collect products and parts that still have life or that can be repaired or refurbished for further use.



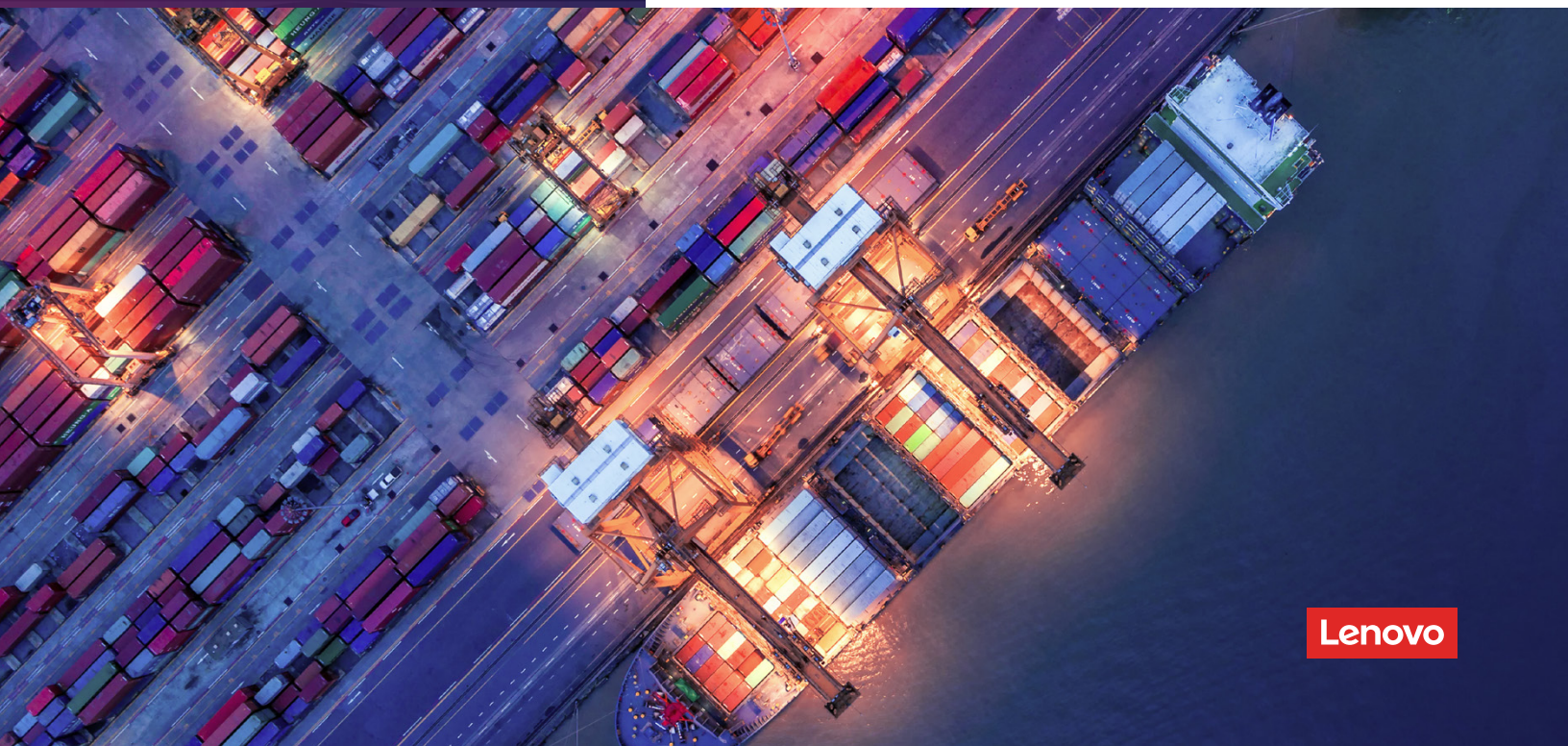
We will remove **1 million tons** of greenhouse gas emissions from our supply chain by FY 2025/26.



In 2021, we used **17 million pounds** of recycled plastic in our products. In addition to post-consumer content plastics, we recently incorporated recycled aluminum and magnesium into some of our products.



Our partner Intel® treats and returns **99%** of the water used in its manufacturing to communities or the environment, with a goal of being water positive by 2030.





An Evo[®] Design

At Lenovo, we're focused on providing smarter technology that builds a brighter, more sustainable future for our customers, colleagues, communities, and the planet.

Learn more about our environmental, social, and governance (ESG) efforts at www.lenovo.com/ESG.

Sources

- 1 As validated by the Science Based Technologies initiative. The SBTi is a partnership between the UN Global Compact, CDP, World Resources Institute, and World Wide Fund for Nature. The SBTi is built on principles of Standardization, Adaptation, and Accountability. Standardization. SBTi is the recognized authority in verifying scientific goals to limit global warming. Adaptation. SBTi's standard is dynamic and responsive to companies' collective efforts and the changing temperature of the planet. Accountability. SBTi serves as an external body to provide accountability and continuity to reduce climate change.
- 2 EPEAT[®] Gold, registered in the US, Canada, and Germany.
- 3 Excludes tablets and accessories.
- 4 By FY 2025/26, measured by value.
- 5 Measured by weight and excludes tablets, accessories, and monitors.
- 6 Recycled PET Woven Performance fabric cover. 97% PCC recycled plastic used in speaker enclosure, 97% PCC recycled plastic used in the 48 Wh and 16 Wh battery. At least 90% PCC recycled plastic used in standard 65-watt adapter. Low-temperature solder 90% recycled and/or sustainable packaging.

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