

Lenovo ISG

Reimagining Sustainability

Smarter
technology
for all

Lenovo

Smarter is building a more sustainable future. Lenovo is committed to supporting our customers' efforts to reduce their environmental footprint. We are dedicated to being a leader in the development of technologies that minimize the use of the world's precious resources.

For us, sustainability begins in the early stages of product design. From the composition of our materials in our technology, to innovations in eco-friendly packaging, we don't only deliver world-class solutions, we deliver on sustainability for your organization.

Smarter is sustainable packaging and products

Committed to the environment from acquisition to disposal, Lenovo:

- Has introduced the use of ocean bound plastic into our server bags, composed of 30% abandoned plastic waste once at risk of landing in the ocean.
- Uses high recycled content, or material made of 65% pre-consumer recycled content.
- Ensures all packaging materials including cardboard, foam cushion, and plastics are 100% recyclable.
- Produces server products using post-consumer content (PCC) and closed loop post-consumer content.
- Employs innovative, energy-saving components like Neptune[™] liquid cooling and energy control software.

What is PCC and closed-loop PCC?

Instead of plastic water bottles and outdated electronics finding their way to landfills, these are repurposed and given new life to servers and other hardware.



Since 2018, Lenovo has used more than 12 million pounds (5.4 million kilograms) of closed loop PCC in 66 different products.

Protecting IT infrastructure and the environment

Shipping IT equipment safely requires a lot of packaging.

Did you know a single rack of **36 1U** servers can use:

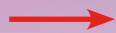
- **105** pounds (48 kilograms) of cardboard
- **55** cubic feet (2 cubic meters) of foam cushioning
- **288** linear feet (88 linear meters) of wood
- **21,000+** paper instruction inserts

Multiply this usage by thousands of servers and racks shipped each year, and the amount of packaging waste is enormous.

This is our challenge.

Lenovo's packaging solution saves millions of trees and reduces CO₂ emissions

Our challenge: Reduce the amount of packaging waste



Our solution: Lenovo's innovative rack integration and bulk shipment approaches

Lenovo's secret to sustainable packaging is that our customers receive servers pre-installed in the rack instead of individually boxed and packaged server nodes, chassis, and racks.

Since 2019, Lenovo has saved cardboard, wood, and paper equivalent to 5.4 million trees, and over 1 million pounds (450,000 kilograms) of plastic equal to a reduction of over 180 tons (163 tonnes) in CO₂ emissions. These approaches have sped delivery time and increased quality all while reducing our environmental impact.

Additional customer benefits

- **75% faster** time from arrival to production readiness
- **1 purchase order** and parts to track

Improved quality

- Factory rack level testing in Lenovo manufacturing facilities
- Lower commodity failure rates
- Less personnel required to install

Across **180 global markets**, Lenovo's **75,000 employees** are dedicated to the sustainable innovation of our products, of which **four new devices are purchased every second**.



lenovo.com/sustainability

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