

Healthcare | Japan

Driving toward greater environmental sustainability

TS Alfresa Corporation

With Lenovo CO₂ Offset Services, pharmaceutical wholesaler TS Alfresa Corporation has offset more than 577.5 tons of CO₂ while refreshing hundreds of aging laptops and PCs with modern, high-performance Lenovo ThinkPad and ThinkCentre devices.



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Customer background

Who is TS Alfresa Corporation?

Headquartered in Hiroshima City, Japan, TS Alfresa Corporation is a major player in the country's pharmaceutical wholesale industry, supporting medical infrastructure throughout the Chugoku region. Employing around 1,100 people, the company's wholesale business includes prescription pharmaceuticals, medical equipment, and testing reagents. With a diversified services offering covering a wide range of medical fields, the company brings decades of experience and expertise to Japan's medical sector.

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The challenge

Environmental sustainability is a key strategic goal for TS Alfresa Corporation. The company's parent organization, Alfresa Holdings, has set a target of cutting its CO₂ emissions to almost zero by fiscal year 2050, and each company within the group is working on carbon-cutting initiatives tailored to their own business operations.

As a pharmaceuticals wholesale business, TS Alfresa Corporation uses a large number of delivery vehicles—making reducing CO₂ emissions from its delivery fleet a key target. The organization has set interim targets to cut emissions by 10% by the end of fiscal year 2024 and 30% by the end of fiscal year 2030 by making use of electric vehicles and other energy-saving measures.

2

The challenge

The company's IT estate also presented a prime opportunity for sustainability improvements. Its existing workstations were approaching end-of-life, and no longer met the requirements of employees. In particular, the aging PCs and laptops lacked the performance to reliably run Zoom video conferencing software and Metaverse solutions, which had become widely adopted by employees following the COVID-19 pandemic. Moreover, laptop battery life had significantly degraded over time, restricting remote-working possibilities for employees.

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“When selecting a new provider, we were looking for a strong price-performance ratio with comprehensive after-sales services. By configuring their devices with AMD processors, Lenovo was able to offer us **competitive pricing** while maintaining **high performance**. We also appreciated **Lenovo’s extensive support services**. We think these are unmatched by other companies, including the **breadth of their warranty coverage** for repairs and their laptop battery replacement service.”

Mr. Eiji Kono

General Manager of IT Planning, TS Alfresa Corporation

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The
solution

Selecting high-quality devices

After evaluating solutions from several vendors, TS Alfresa Corporation decided to move forward with a large-scale device refresh based on Lenovo ThinkPad and Lenovo ThinkCentre solutions.

Mr. Kenichi Nakata, Manager of the IT Planning Department at TS Alfresa Corporation, commented, “The high-quality design of the Lenovo solutions was one of the reasons behind our choice. Lenovo ThinkPad laptops are sleek and user-friendly, which has a positive impact on employee engagement.”

Services

[Lenovo CO₂ Offset Services](#)

Hardware

[Lenovo ThinkCentre M75q Tiny Gen 2](#)

[Lenovo ThinkPad L14 Gen 4 AMD](#)

[Lenovo ThinkPad L15 Gen 4 AMD](#)

3

The solution

Offsetting CO₂ throughout the lifecycle

Another deciding factor was Lenovo's sustainability solutions, which include [Lenovo CO₂ Offset Services](#). This approach offsets the estimated CO₂ emissions across the entire device lifecycle—including manufacturing, shipping, use, and eventual disposal—through the use of carbon credits.

With Lenovo CO₂ Offset Services, businesses can transparently offset emissions at the point of purchase and support verified climate action projects without performing complex carbon calculations themselves.

Mr. Shinji Sawai, Director and Senior Managing Executive Officer and General Manager of the Administration Division at TS Alfresa Corporation, recalls: "When we learned about Lenovo CO₂ Offset Services, we were eager to get involved."

3

The
solution

Deploying across the business

Working with Lenovo, TS Alfresa Corporation has introduced 620 [Lenovo ThinkPad L14 Gen 4 AMD](#) laptops, 505 [Lenovo ThinkPad L15 Gen 4 AMD](#) laptops, and 15 [Lenovo ThinkCentre M75q Tiny Gen 2](#) PCs. All devices are equipped with AMD Ryzen processors, delivering high processing power and lean operational costs.

The Lenovo ThinkPad L Series combines high performance and portability, allowing users to work comfortably anywhere. Powered by AMD Ryzen 5 PRO processors, the devices offer easy multitasking and smooth performance for video conferencing and Metaverse environments. The solutions also include Dolby Audio speakers for clearer conference audio and fingerprint authentication for enhanced security, enhancing business efficiency and security.

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The solution

Despite a compact size of just 1L, the ultra-compact Lenovo ThinkCentre M75q Tiny Gen 2 desktop delivers enterprise-level performance. With a support for up to three external displays, the PCs deliver high performance for demanding workloads, including video, analytics, and multitasking.

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“Our parent company holds a bi-yearly meeting where each group company shares their efforts and results in reducing CO₂ emissions. This **large-scale carbon offsetting initiative** is of **great significance** to the environmental strategy of the entire group.”

Mr. Shinji Sawai

Director and Senior Managing Executive Officer and General Manager of the Administration Division, TS Alfresa Corporation

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The results

The 1,140 devices deployed in this refresh project will offset approximately 577.5 tons of CO₂ emissions over their entire four-year product lifecycle. Over a single year, this totals around 144 tons of CO₂ offset: approximately a quarter of TS Alfresa Corporation's annual target of 606 tons during the 2024 fiscal year, and equivalent to the annual CO₂ emissions released by generating electricity for 84 average households.



Replaced legacy devices with 1,140 modern laptops and PCs



Offset more than 577.5 tons of CO₂ over the device lifecycle



Delivers 24% of annual CO₂ reduction target in year one

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“To make our environmental efforts **visible and help raise employee awareness**, we have branded our new devices with bright green CO₂ offset labels and provided them with documentation to explain the initiative.”

Mr. Eiji Kono

General Manager of IT Planning, TS Alfresa Corporation

Why Lenovo?

As TS Alfresa Corporation searched for new ways to contribute to its environmental sustainability targets, it saw its estate of PCs and laptops as an untapped opportunity. By combining Lenovo devices with Lenovo sustainability solutions, the company is on track for its IT sustainability goals.

How can businesses move towards net-zero?

TS Alfresa Corporation refreshed over 1,100 PCs and laptops while offsetting 577.5 tons of CO₂ over the device lifecycle.

[Explore Lenovo CO₂ Offset Services](#)