



THE POWERS *of* ME

How Windows 11 Pro helps
Klöckner Pentaplast
accelerate business success



About the company

Customer

Klöckner Pentaplast

Products and services

Configuration Manager

Microsoft 365

Microsoft 365 Copilot

Microsoft Edge

Microsoft Intune

Microsoft Teams

OneDrive for Business

Power Automate

Power BI

Windows 11

Windows Autopilot

Industry

Manufacturing

Organization size

Large

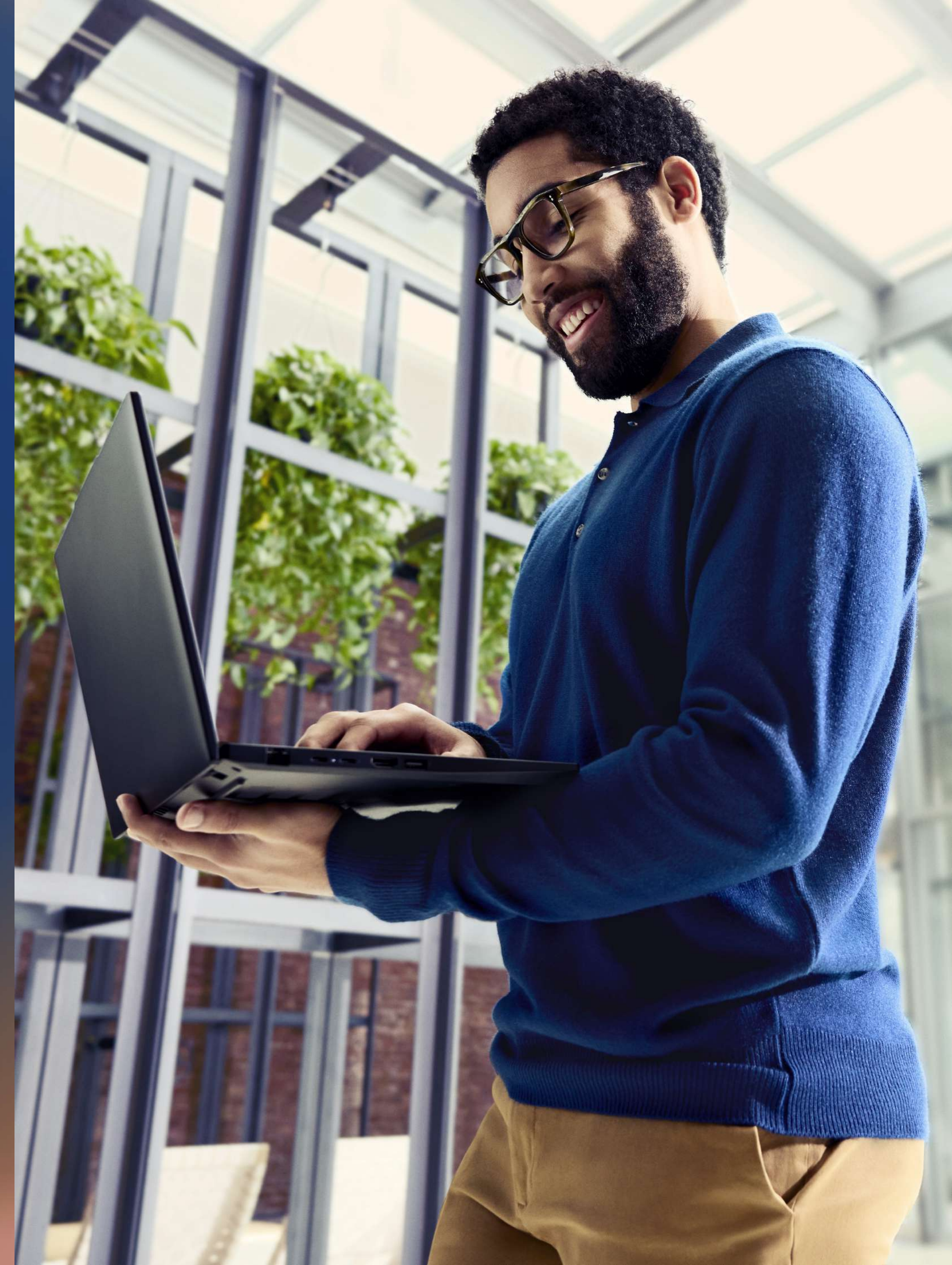
(1,000 – 9,999 employees)

Country

Germany

Founded in 1965, Klöckner Pentaplast (kp) is a global manufacturer of packaging products in the food, construction, and pharmaceutical industries. With 30 production locations across 18 countries, the company stands out among its peers by constantly innovating to create sustainable solutions. For example, their SecondLife card core films are produced from 100% recycled content, and their Infinity line provides a recyclable alternative to single-use plastic food containers.

To keep the innovation flowing, kp is rapidly rolling out Windows 11 Pro across their entire device fleet. The OS aligns with kp's sustainability goals, while AI enhancements maximize employee potential, improve multitasking, and put ingenuity on tap. Meanwhile, IT managers can focus on strategic initiatives instead of helpdesk calls, since it takes just seconds to update a laptop or desktop. It also helps that Windows 11 Pro comes with powerful protection by default that safeguards valuable business data. AI enablement and frequent, painless updates make Windows 11 Pro an outstanding technology foundation for kp to accelerate business success.



“It used to take an hour and a half or longer to collect a PC, reimage it with a new operating system, and configure it properly. Today’s process requires only a few seconds for each device.”

— Thomas Kaiser
Technical Lead IT-Products
Klößner Pentaplast



Deployment at the speed of Windows 11 Pro

Klößner Pentaplast is transitioning nearly 5,400 devices from Windows 10 to Windows 11 Pro. And speed is of the essence, as Thomas Kaiser, Technical Lead IT-Products, explains: “We prefer to be early adopters and realize the benefits of newer technologies as soon as possible. It helps that Microsoft makes it very easy to deploy new solutions.” Getting a head start on innovation dovetails perfectly with the company’s culture, notes Kaiser, “In our ever-changing business, we’re very open to new technologies and find it advantageous to implement them promptly. We decided to deploy Windows 11 Pro as soon as it became available.”

And the rollout isn’t just fast—it’s highly efficient. An IT infrastructure team of three, assisted by regional site managers,

transitions between 200 and 300 devices per week. For every upgrade wave, they set up an Active Directory group, assign devices to it, and create a policy to generate registry keys. Next, they manage the upgrade process with Microsoft Configuration Manager, part of the Microsoft Intune set of capabilities, and rely on Microsoft Data Migration Assistant to avoid any database compatibility issues.

Kaiser describes the process: “Team members find a pop-up message that tells them Windows 11 Pro is ready to install, click on a button, and the upgrade happens while they’re on break or in a meeting. It feels like magic.”

Powerful protection by default across devices and systems

An innovator like kp owns a wealth of intellectual property, and all of that valuable business data must be safeguarded. The company is deploying the most secure Windows ever to ensure stringent, manageable security across its global, hybrid work environment. With layers of security already enabled, users can work anywhere, shielded by powerful protection across hardware, software, identities, and data. And they can safely access company resources through a virtual private network (VPN).

Windows 11 supports the Secure Boot standard, which allows only trusted software with the appropriate digital signatures to run when a device starts up. Microsoft BitLocker provides disk encryption to protect information. Kaiser explains, "We rely on BitLocker with

Trusted Platform Module 2.0 to safeguard devices and data. If a device is stolen or lost, the data is not compromised. We also mirror laptop hard drives to Microsoft OneDrive, so employees can continue accessing their files and data no matter what happens."

Microsoft Defender SmartScreen augments Windows 11 Pro security by blocking unsafe websites and helping prevent phishing and malware attacks. "We used to block malicious websites through firewalls," Kaiser notes. "But today, kp employees may potentially be exposed to hundreds of these every day. SmartScreen is a cool feature that increases our security without us having to manually block sites. Conveniently, it's part of Microsoft Edge, the only browser we use."



Instinctive me

Creative me



My best me

Ingenious me

Accelerating employee superpowers

Nearly 85% of kp's employees work flexibly from company facilities and other locations using laptops running Windows 11 Pro. Wherever they work, they can securely access their applications, including Microsoft 365, Microsoft Teams, and the ERP system from SAP. "Teams is one of our most important apps, and its close integration with the OS helps simplify and speed up communications and tasks like collaborative editing," Kaiser says.

Employees enthusiastically adopted Microsoft Power BI once they saw how it enables real-time reporting and sharing of data insights. As far as the OS upgrade itself, "Windows 11 Pro looks different, but it's the familiar Windows, so team members simply continued working on the new platform without requiring any training," Kaiser says, adding: "Everything looks fresh and modern; our team members get excited about using a PC again and are eager to explore new capabilities."

"It's not just Windows 11 Pro or Microsoft 365. It's the synergy of the entire Microsoft product palette that helps us gain efficiencies and make our company more productive."

— Thomas Kaiser
Technical Lead IT-Products
Klöckner Pentaplast

Workflows that just flow

Most kp team members work with multiple monitors and find it cumbersome to reconfigure all their screens when they return to their workstation after disconnecting their laptop for a meeting. Kaiser explains, "Seamless redocking is my most beloved Windows 11 Pro feature, and everyone else likes it too. You can take your laptop with you wherever you go and simply reconnect it when you return. All your screens remain where you want them to be."

Microsoft Power Automate, an end-to-end cloud automation platform available directly from the Start menu in Windows 11 Pro, is also popular. "One colleague told me that he saves one hour a day with an automation he created with Power Automate," notes Kaiser. "Because he's telling everybody else about it, the use of Power Automate is spreading like wildfire."





With Windows 11 Pro, everything just works

When IT team members were preparing to roll out Windows 11 Pro to kp employees, they had no idea they would end up saving close to 90 minutes for each device to be updated. “The entire Windows 11 Pro transition has had almost no impact whatsoever on IT,” emphasizes Kaiser. And kp experiences continuing efficiencies with Windows Update for Business, which IT managers can configure with Intune. “I love Windows Update for Business, because it works so reliably,” he points out. “Devices in the same groups can easily receive and share the same Windows and security updates, so they will always be current.”

In fact, Windows 11 Pro is designed to work with the business apps and hardware you use today, making it easy to deliver productivity upgrades and AI innovation to everyone. For example, Windows Autopilot makes it possible to

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automatically configure new devices for employees based on parameters defined by IT. “Employees authenticate themselves on their new device and can use it productively within about 20 minutes,” Kaiser notes. “We also use Autopilot to remotely wipe devices and reinstall the proper software image quickly, without requiring employees to send them to us.”

From troubleshooting to business boosting

As with Windows 10, kp found that helpdesk tickets related to OS issues were practically nonexistent with Windows 11 Pro—but the newer OS ran with superior stability. Kaiser explains, “Several hundred laptops had driver update problems that we were unable to address by reinstalling. After we updated them to Windows 11 Pro, these issues were gone. The operating system resolved a pesky user concern and saved us valuable time.”

By greatly reducing routine administrative tasks with Windows 11 Pro, IT plays a greater role in helping kp innovate and grow. “We now have the time to implement ideas that help the business improve and evolve,” Kaiser says. “For example, we created an AI solution that monitors film manufacturing machinery and identifies conditions that will lead to a quality deviation before a production run starts. This AI capability saves the company significant expense and employee time.”

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More sustainability, less waste

As a company at the forefront of sustainability practices, kp was delighted with Windows 11 Pro features like recommendations for power-efficient device settings and carbon-aware updates scheduled for times when lower-emission sources generate power. As Kaiser says, “It’s great that Microsoft thought to make updates carbon-aware and help kp and other customers reduce their environmental impact. Everything counts when it comes to sustainability.”

The company typically invests in laptops and desktops with higher specs than required for the applications and tasks

they need to support. The intention is to reduce electronic and financial waste by using these devices much longer than more basic hardware that just meets minimal requirements. Windows 11 Pro was a perfect fit for this purpose. “Solutions like Microsoft 365 and Windows are designed to achieve the best possible performance even with older hardware, so you can reap the full benefit of device lifecycles,” Kaiser says. “This was already an excellent feature of Windows 10, and it has improved with Windows 11 Pro.”



How kp is unlocking its AI advantage

As early adopters of new technology, IT leaders at kp are thrilled about the potential of AI-infused apps with Copilot in Windows. "After I've seen what people already accomplish with Power Automate, I'm very excited to see what they achieve with Copilot," Kaiser says. "Across kp locations in 18 different countries, it could help us make communications much easier."

Kaiser recommends that technology planners and managers consider Microsoft solutions holistically, not in isolation. He points out that one Microsoft solution by itself can deliver remarkable business outcomes, but multiple Microsoft products can gain greater effectiveness as they build on each other. Kaiser states, "It's

not just Windows 11 Pro or Microsoft 365. It's the synergy of the entire Microsoft product palette that helps us gain efficiencies and make our company more productive. Microsoft solutions integrate seamlessly in a fully controllable and efficient environment."

Act soon

Out-of-date devices increase vulnerability, and end of support for Windows 10 is coming soon on October 14, 2025.¹ Upgrading to Windows 11 Pro will give you the latest security features, while ensuring you're supported and up to date. Move to Windows 11 Pro devices before support ends. Get started now to optimize deployment and benefit from the latest features, including Copilot in Windows.



Learn how Windows 11 Pro can help you accelerate business success

 Windows 11 Pro

1. [Blog: Plan for Windows 10 EOS with Windows 11, Windows 365, and ESU. Learn more.](#)