Complete complex tasks in much less time by using AI technologies on new PCs featuring AMD Ryzen processors

Using AI features on an AMD Ryzen processor-powered PC let us execute project management tasks much faster than using manual methods on a 3-year-old system

Power user
Juggles tasks using multiple applications

Reclaim nearly 2 workdays per week for high-value work

by employing primarily local AI features to help streamline activities

Cut the time to complete tasks

by up to 96.0% by using AI-enhanced workflows

Project managers and other information-focused professionals spend their days dealing with communication, documentation, planning, and coordination within teams and across projects. The tasks necessary to keep information flowing and keep projects on track can be time consuming. Using AI to accelerate these activities is a great way to free time and mental energy for activities that move business forward. Choosing local AI technologies rather than cloud-based enables enhanced protection of sensitive data, immediate response times with the ability to operate without an internet connection, and potential cost savings.

To build on our findings in a previous study exploring how information-focused professionals can leverage AI, we conducted tests to quantify the benefits of upgrading to new AI PCs featuring AMD Ryzen™ processors. We ran a set of defined scenarios three ways:

- **Using AI technologies** on a current AI-capable PC powered by an AMD Ryzen processor
- **Using a manual approach** on a current AI-capable PC powered by an AMD Ryzen processor
- **Using a manual approach** on a 3-year-old PC

Across the tasks we tested, AI features reduced task completion time by as much as 96.0 percent compared with traditional, non-AI approaches. Our results indicate AI-capable PCs powered by AMD Ryzen processors are a strong option for professionals ready to take advantage of AI in their daily workflows.

What tasks fill an information-focused professional's daily to-do list?

To see how AI can help in a real-world work situation, imagine Martina, a project coordinator at an accounting firm. Her tasks include creating project plans and Gantt charts, making and updating presentations, managing client communication, and scheduling meetings. Martina's manager has encouraged her to use AI to work smarter. By automating certain tasks, she could devote more time to high-value activities.

The advantages of local AI tools

Many valuable cloud-based AI tools are available, but using AI tools that run locally on your PC offers Martina and her company several advantages:

Better privacy and data security. Data never leaves her machine, eliminating risks of data breaches. The company's confidential, proprietary work remains that way, and it's easier to adhere to regulatory compliance.

Zero-latency and offline functionality. By eliminating back-and-forth communication with a distant data center, local AI can provide near-instant responses. Because her local tools work without an internet connection, Martina can work anywhere—even in secure, air-gapped environments—and doesn't have to pause during an internet outage.

Long-term cost efficiency. Local AI typically has no recurring usage costs, so Martina's company can avoid the expensive monthly subscriptions many cloud-based AI services require.

How Martina can benefit by upgrading to a new AMD Ryzen AI PC

New AI PCs equipped with AMD Ryzen processors offer considerable improvements over their 3-year-old counterparts. To understand how they streamline tasks and improve life for professionals such as Martina, we started our testing by carrying out seven scenarios on an ASUS Zenbook S16 powered by an AMD Ryzen AI 9 HX 470 processor:

- Generating and scheduling tasks from emails
- Summarizing a meeting transcript
- Reviewing Jira tickets
- Creating a project plan
- Creating a Gantt chart in Excel
- Updating a presentation
- Managing client communication and scheduling meetings

Current system

ASUS Zenbook S16

AMD Ryzen AI 9 HX 470 processor
AMD Radeon 890M GPU
32 GB of DDR5 memory

We completed each scenario two ways, using local AI tools and using a manual approach. AMD provided initial tasks and workflows that we reviewed and—in some cases—adjusted to reflect real-world usage. For complete details on the test systems and our procedure, see the science behind the report.

Table 1 compares using AI tools and a manual method on a new AI PC with an AMD Ryzen processor. AI tools cut as much as 95.9 percent of the time needed to perform these activities. We summarize the different approaches in the sections to come and provide detailed steps in the science behind the report.

Table 1: Time to complete tasks on the ASUS Zenbook S16 with and without AI. Source: PT.

Task	Time without AI hh:mm:ss	Time with AI hh:mm:ss	Time saved hh:mm:ss	Time saved Percentage
Generating and scheduling tasks from emails	0:08:50	0:01:06	**0:07:44**	**87.5%**
Summarizing a meeting transcript	0:38:52	0:01:35	**0:37:17**	**95.9%**
Reviewing Jira tickets	0:20:19	0:01:43	**0:18:36**	**91.5%**
Creating a project plan	0:30:14	0:11:07	**0:19:07**	**63.2%**
Creating a Gantt chart in Excel	0:07:55	0:02:14	**0:05:41**	**71.7%**
Updating a presentation	0:03:09	0:00:59	**0:02:10**	**68.7%**
Managing client communication and scheduling meetings	0:19:00	0:09:52	**0:09:08**	**48.0%**

Even more impressive time savings when upgrading to a new PC powered by an AMD Ryzen AI processor

As we showed on the previous page, using AI on a new system saves considerable time over manual approaches. For those upgrading from a 3-year-old PC, the time savings would be even greater. To quantify that, we re-ran the manual approach testing on an ASUS™ Zenbook™ 15 powered by a older AMD Ryzen processor. In the sections that follow, we quantify the time savings Martina could enjoy by upgrading to a new system and using primarily local AI technologies. We also measured productivity performance differences between the two systems by running a benchmark that simulates office tasks while multitasking with an LLM.

2026 system

ASUS Zenbook S16

AMD Ryzen AI 9 HX 470 processor
AMD Radeon™ 890M GPU
32 GB of DDR5 memory

2023 system

ASUS Zenbook 15

AMD Ryzen 7 7735U processor
AMD Radeon 680M GPU
32 GB of DDR5 memory

About the AMD Ryzen processors in our test systems

The ASUS Zenbook S16 we tested featured an AMD Ryzen AI 9 HX 470 processor. It had 12 cores, 24 threads, a 5.2 GHz boost clock, a 12MB L2 cache, a 24MB L3 cache, 32 GB of DDR5 memory, and up to 86 trillions of operations per second (TOPS) total AI performance.

▸ Learn more

The ASUS Zenbook 15 we tested featured an AMD Ryzen 7 7735U processor. It had 8 cores, 16 threads, a 4.75 GHz boost clock, a 4MB L2 cache, a 16MB L3 cache, and 32 GB of DDR5 memory.

▸ Learn more

Generating and scheduling tasks from emails

Martina often learns about new tasks through email. For this scenario's AI workflow on the current AMD Ryzen processor-powered ASUS Zenbook S16, we used Belt.ai, an AI-powered productivity tool that manages work, email, and calendars in a single, unified platform. We used Belt.ai with a local Llama model to break down the email into subtasks, auto-generate a task, and convert it into a scheduled event. We used the 3-year-old PC for the manual workflow, which involved reading the email in Outlook, identifying tasks manually, creating tasks by hand, and scheduling them directly in the Outlook calendar. One person performed the task three times using each approach and we report the average time.

Using the AI feature reduced the time for completing this task from **more than 9 minutes to just over 1 minute**, an average of 88.7 percent (see Figure 1).

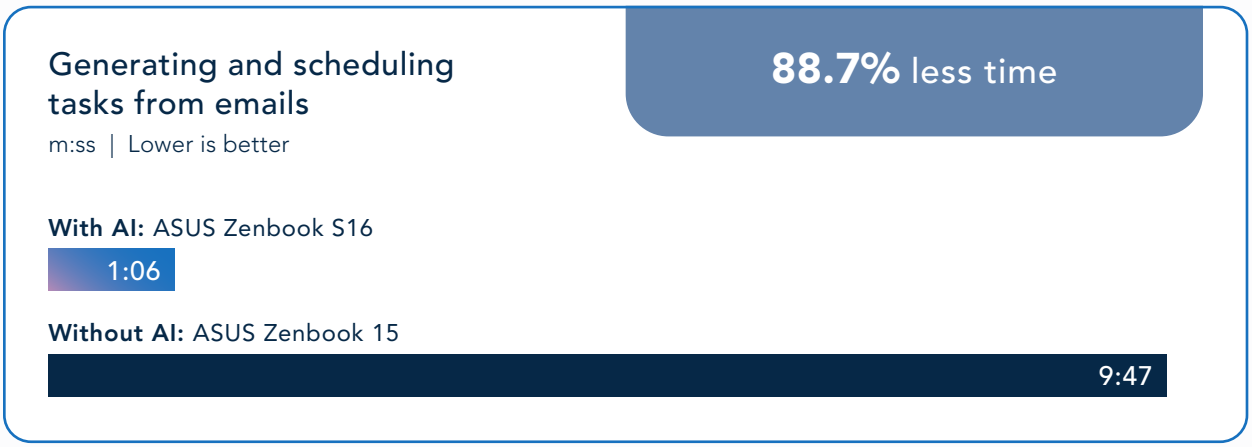


Figure 1: Time to generate tasks from emails on a current AMD Ryzen processor-powered PC with AI assistance and on a 3-year-old PC without AI assistance. Source: PT.

Please note that the graphs in this report use different scales to keep a consistent size. Please be mindful of each graph's data range as you compare.

Summarizing a meeting transcript

Sometimes Martina receives a meeting transcript, either because she missed a meeting or because a client has provided it for informational purposes. We tested two ways of summarizing the contents of a transcript. When performing this task on the current AMD Ryzen processor-powered PC with AI, we used Generate a secure, local AI platform by Iterate.ai that lets companies run large language models (LLMs) and retrieval-augmented generation (RAG) locally on AI PCs or private servers. We used Generate with a Liquid transcript model to ingest the meeting notes file and automatically produce structured meeting minutes. The manual workflow required reading the meeting transcript, identifying key sections, and drafting the meeting minutes manually in Word using the required structure. One person performed the task three times using each approach and we report the average time.

As Figure 2 shows, the manual approach took **over 40 minutes vs. a minute and a half** using the Generate and Liquid AI tools.

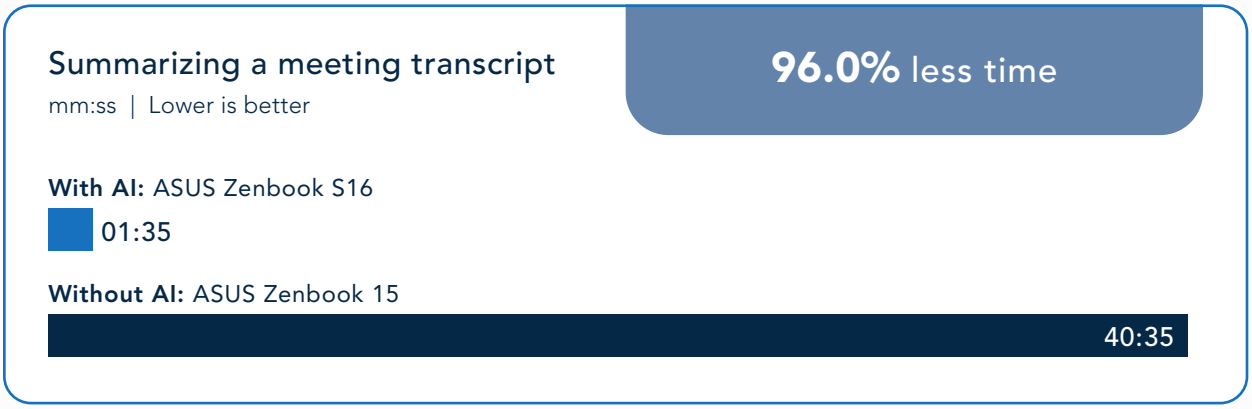


Figure 2: Time to summarize a meeting transcript on a current AMD Ryzen processor-powered PC with AI assistance and on a 3-year-old PC without AI assistance. Source: PT.

Reviewing Jira tickets

Martina's company uses Jira, an issue tracking and project management tool from Atlassian. Jira tickets organize, track, and manage tasks throughout the project lifecycle. This test scenario compares two ways of reviewing Jira tickets. When performing this task on the current AMD Ryzen processor-powered PC with AI, we used JIRA MCP inside Generate AIPC with a Lemonade-hosted model to summarize all Jira issues updated that day and output a ready-to-paste report. The manual workflow required logging into Jira, applying filters, reviewing each ticket's activity log, copying details into Word, and writing the daily summary manually. One person performed the task three times using each approach and we report the average time.

As Figure 3 shows, the manual approach took **over 20 minutes vs. less than 2 minutes** with the AI tools, a savings of 91.7 percent.

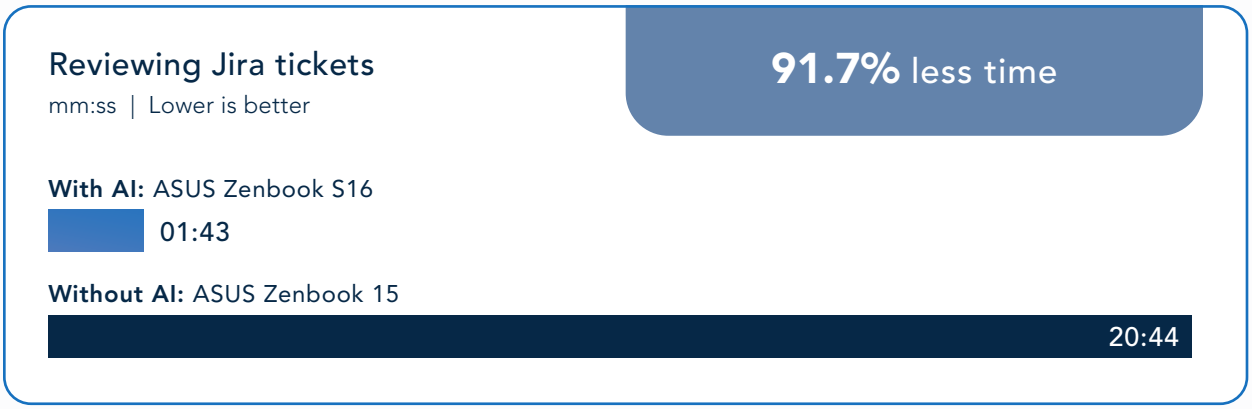
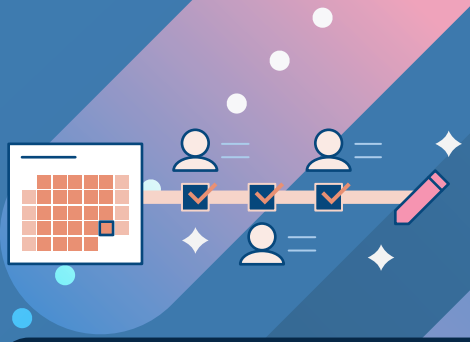


Figure 3: Time to review Jira tickets on a current AMD Ryzen processor-powered PC with AI assistance and on a 3-year-old PC without AI assistance. Source: PT.



Creating a project plan

Martina frequently creates project plans. The AI workflow on the current AMD Ryzen processor-powered PC used Gemma 3 12B, a high-performance, open multimodal model (text and image input) optimized for business tasks such as document analysis and code generation. Gemma 3 12B generated a complete project plan and exported it as a CSV file for Excel. The manual workflow on the 3-year-old PC involved brainstorming tasks, estimating durations, assigning roles, defining milestones, and building the entire project plan manually in Excel. For the manual approach, we asked three different project managers to complete the task. For the AI approach, one person completed the task three times we report the average times.

Using the AI tools cut **19 minutes off a 30-minute manual task**, a savings of 63.2 percent.

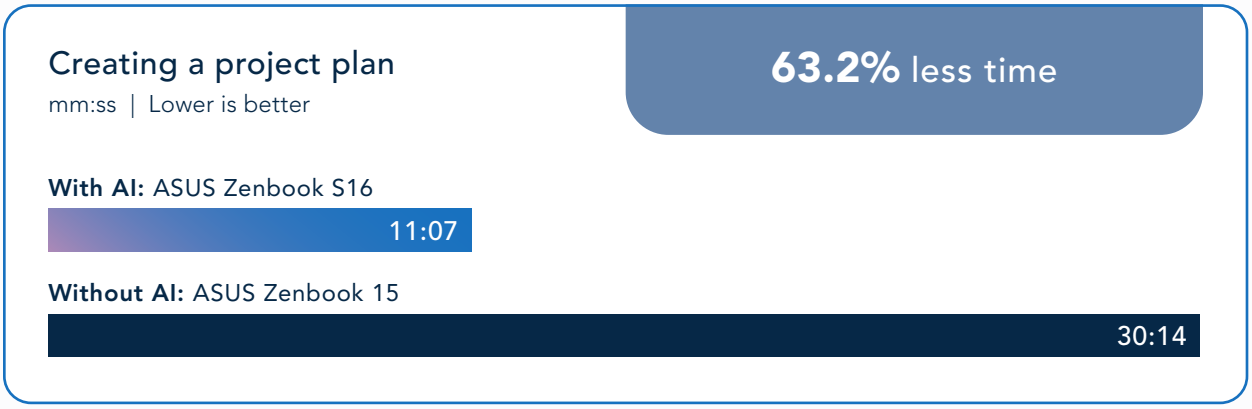
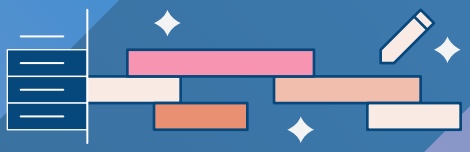


Figure 4: Time to create a project plan on a current AMD Ryzen processor-powered PC with AI assistance and on a 3-year-old PC without AI assistance. Source: PT.



Creating a Gantt chart in Excel

Martina uses Gantt charts—which visually represent tasks and their relationships to timelines—for planning, scheduling, and monitoring project progress. In this test scenario, the AI approach used Microsoft Copilot, an AI-powered digital assistant integrated into many Microsoft 365 applications to boost productivity. We used Copilot on the current AMD Ryzen processor-powered PC to assist us in creating this visualization in Excel. (Note that Copilot does require an internet connection, so this scenario is an exception to the local AI we use for all other scenarios.) The AI assistant analyzed the spreadsheet structure and made a specific recommendation to create the Gantt chart. In the manual approach on the 3-year-old PC, our testers, who had not previously created a Gantt chart, relied on contextual menus, help documentation, and external training sources to solve the same problem. On each system, one tester performed the manual task three times, and we report the average times.

As Figure 5 illustrates, employing AI assistance greatly streamlined the task, **reducing an 8-minute task to less than 3 minutes**, a savings of 74.1 percent.

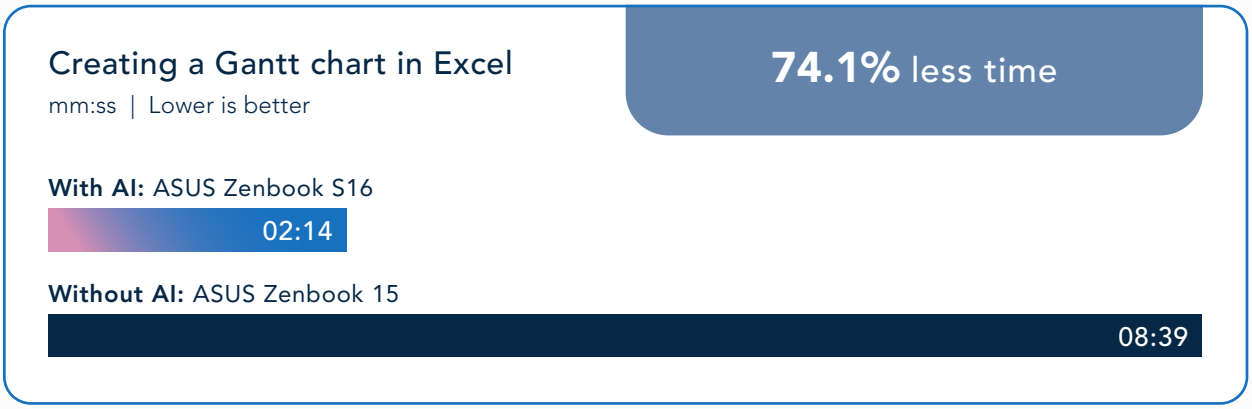
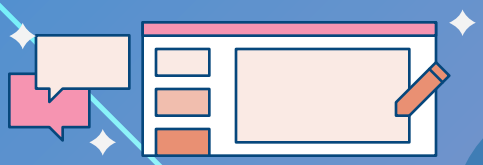


Figure 5: Time to create a Gantt chart in Excel on a current AMD Ryzen processor-powered PC with AI assistance and on a 3-year-old PC without AI assistance. Source: PT.



Updating a presentation

Martina often prepares presentations for clients. This scenario involved updating a PowerPoint presentation to edit images and include new content from a press release. The AI workflow on the current AMD Ryzen processor-powered PC used Click to Do, a Copilot AI feature, to edit images, blur backgrounds, extract content from the press release, and insert updated assets into PowerPoint. The workflow on the 3-year-old PC required doing these tasks manually. We performed the task three times using each approach and report the average time. Using the AI tools reduced the time to complete the scenario from **more than 3 minutes to 1 minute**, a 70.3 percent savings (see Figure 6).

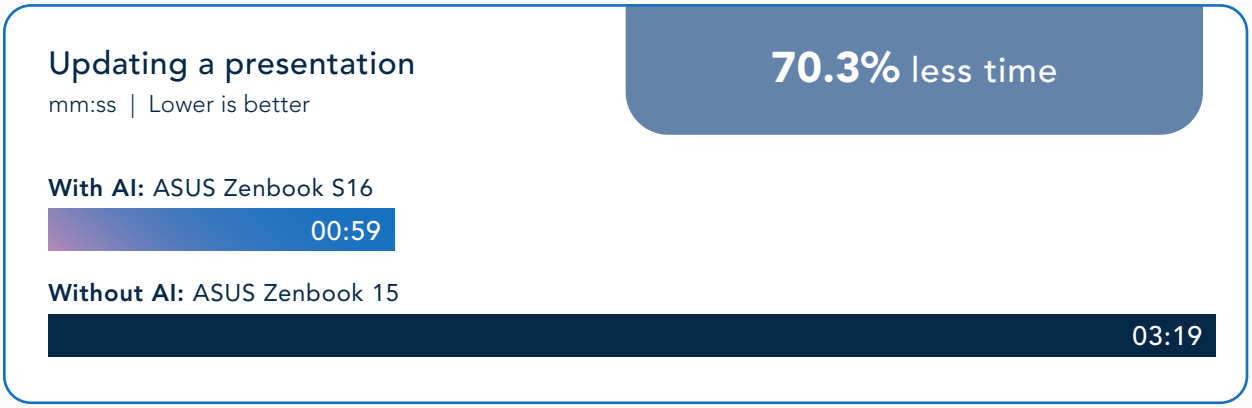


Figure 6: Time to update a presentation on a current AMD Ryzen processor-powered PC with AI assistance and on a 3-year-old PC without AI assistance. Source: PT.

Managing client communication and scheduling meetings

A key part of Martina's job involves communicating with clients and scheduling meetings. The AI workflow for this scenario used n8n, workflow automation tool that allows you to connect over 400+ apps and APIs to automate repetitive tasks integrated with Lemonade, Outlook, Azure credentials, and a RAG powered workflow to automatically classify incoming emails by priority, generate tasks, route messages into the correct Outlook folders, and log all workflow executions. The manual workflow on the 3-year-old PC required reading each new email, determining its priority, sending acknowledgment messages, manually creating and describing tasks in the To Do app, attaching the email, and organizing follow-up actions by hand.

Using the AI tools cut the time to complete these activities almost in half, from **19 minutes to less than 10 minutes** (see Figure 7).

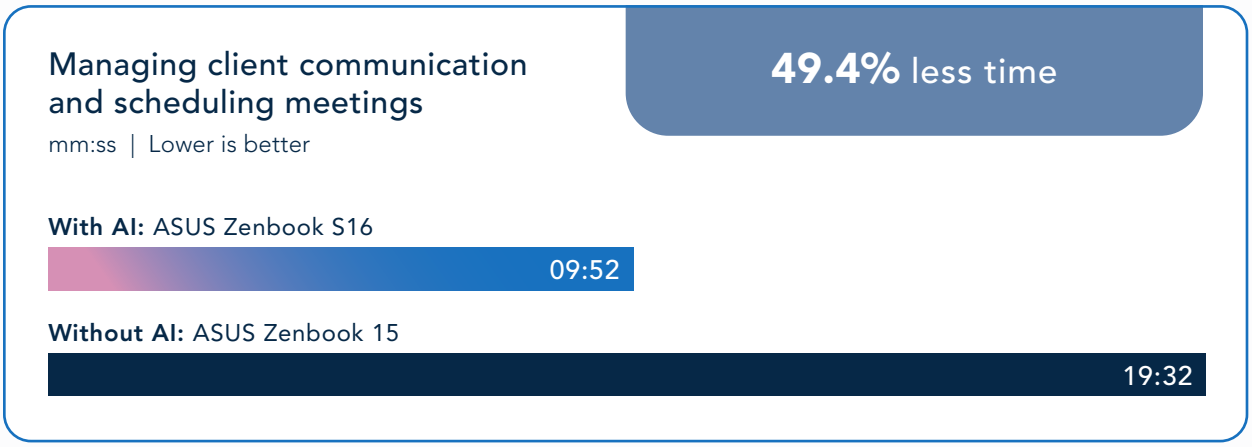


Figure 7: Time to manage client communication and scheduling meetings on a current AMD Ryzen processor-powered PC with AI assistance and on a 3-year-old PC without AI assistance. Source: PT.

Time savings across the workflow

Figure 8 shows the total time it took to complete each scenario once. Using AI technologies cut the time from **more than 2 hours to less than half an hour**, a savings of 78.4 percent. All of that time saved would enable Martina to dive into other activities. The fact that all of the AI workflows except Creating a Gantt chart are PC-based and do not require being online means she could perform most of these tasks anywhere, regardless of connectivity.

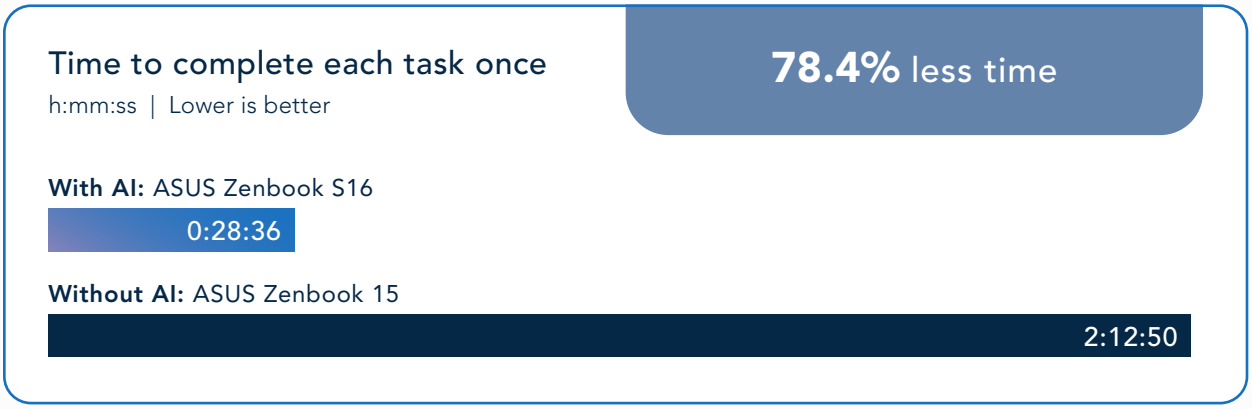
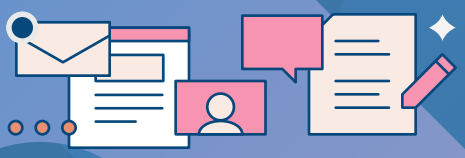


Figure 8: Time to complete all seven activities once on a current AMD Ryzen processor-powered PC with AI assistance and on a 3-year-old PC without AI assistance. Source: PT.



Potential time savings across a workweek

To estimate the amount of time a professional such as Martina could save over the course of a typical workweek by employing AI technologies on a new AI PC, we estimated how many times per week she might execute the tasks we investigated. For the purposes of this extrapolation, we define a month as four weeks. We assumed the following frequencies based on our project managers' real-life experience:

- **Generating and scheduling tasks from emails** ..... 5x weekly
- **Summarizing a meeting transcript** .. 5x weekly
- **Reviewing Jira tickets** ..... 10x daily
- **Creating a project plan**..... 1x weekly
- **Creating a Gantt chart in Excel** ..... 1x weekly
- **Updating a presentation** ..... 1x weekly
- **Managing client communication and scheduling meetings** ..... 50x weekly

Figure 9 shows the results of our estimations. Based on the frequencies we note above and the time that each approach required, employing AI features on the systems we tested could mean that Martina would spend less than half the time on these routine activities. **Instead of more than 3 typical 8-hour workdays, she could spend 9 hours.** This could dramatically change the shape of Martina's work life, allowing her to increase her contributions to the company by solving higher-level problems.

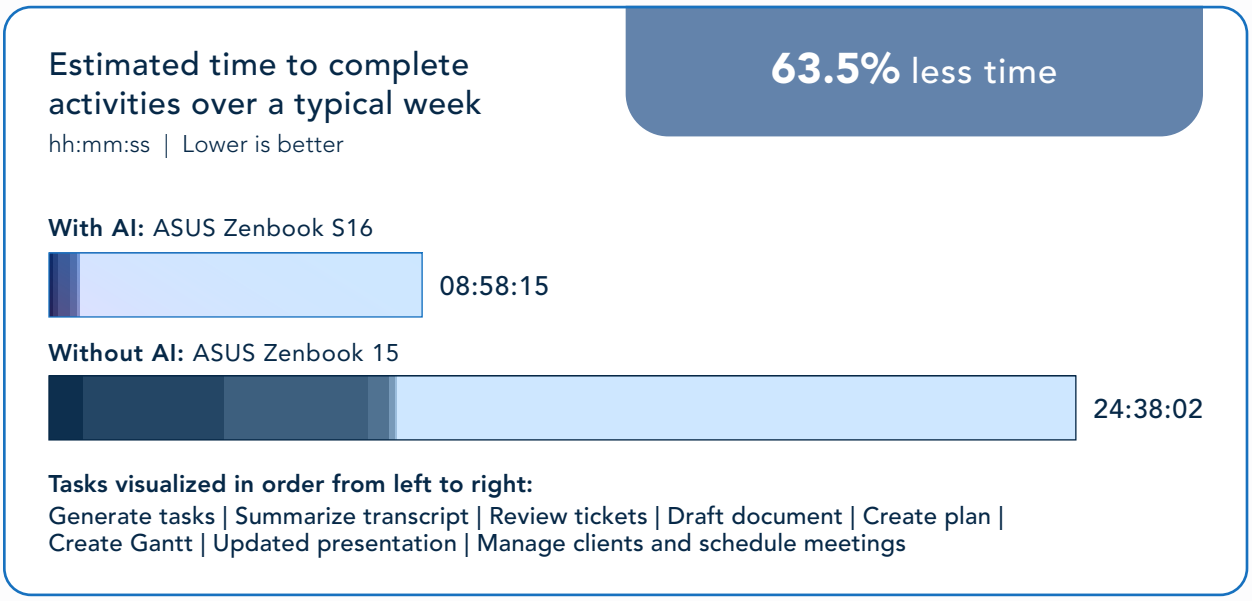


Figure 9: Estimated time to complete all seven activities over a typical work week on current AMD Ryzen processor-powered PC with AI assistance and on a 3-year-old PC without AI assistance. Source: PT.

Focus on productivity

In the near future we expect the workloads on our PCs to be a mix of traditional apps and AI agents. The power user will be an early adopter in order to maximize productivity. To explore the productivity potential of our two test systems, we ran the Procyon Office Productivity benchmark while simultaneously running a local large language model (LLM) using the neural processing unit (NPU) of the current AMD Ryzen processor-powered PC and the GPU of the 3-year-old PC, which was not equipped with an NPU. As Table 2 shows, the new system delivered roughly **1.5 times the productivity** of the 3-year-old system.

Table 2: Procyon Office Productivity benchmark scores while simultaneously running an LLM on a current AMD Ryzen processor-powered PC, equipped with an NPU, and a 3-year-old PC, equipped with a GPU. Higher is better. Source: PT.

	ASUS Zenbook S16 model running on NPU	ASUS Zenbook 15 model running on GPU	Percentage improvement
Procyon Office Productivity Overall Rating - Median	**6,818**	**4,374**	**55.8%**
Word Score	7,883	4,888	61.2%
Excel Score	6,057	3,749	61.5%
PowerPoint Score	7,749	5,296	46.3%
Outlook Score	5,007	3,257	53.7%

Conclusion

AI capabilities can help project managers and other information-focused professionals improve efficiency and have more time to focus on complex, high-value work. By selecting AI tools that run locally instead of in the cloud, they gain additional benefits: better protection of sensitive data, quicker response times, the ability to work without an internet connection, and the lower likelihood of having to pay ongoing subscription or usage charges.

We investigated the potential time savings for project managers and other information-focused professionals by utilizing AI technologies on new AI-powered PCs with AMD Ryzen processors. In our testing with two ASUS systems, local AI technologies reduced task completion times by as much as 95 percent. Based on estimations of how frequently the test tasks would occur, we determined that using AI technologies on the new PC could reduce the weekly work time on a set of standard tasks from an average of 24 hours and 38 minutes to 8 hours and 58 minutes on average—**a savings of 15 hours and 39 minutes**, nearly two typical workdays. Workers could shift this time saved to higher-value activities and innovation.

AMD Ryzen AI PRO 400 Series processors are tailored for enterprise AI workloads. When employees who use PCs featuring these processors take advantage of local AI technologies as they perform their daily activities, businesses can benefit.

This project was commissioned by AMD.

Read the science behind the report ▶

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How we created this report

A PT team, which includes the contributors we've listed and others, created this report and performed the technical work behind it. In addition to our use of AI in testing, we used AI to draft sections of this report.

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