Greatly accelerate project management tasks by leveraging AI workflows on modern PCs powered by AMD Ryzen processors

Using local AI capabilities streamlines tasks while keeping proprietary data secure and delivering fast response time even when you're offline

Power user
Juggles tasks using multiple applications

Reclaim up to 2.5 workdays per week for high-value work

by employing primarily local AI features to help streamline activities

Cut the time to complete a task

by up to 95.6% by using AI-enhanced workflows

Information-driven professionals such as project managers spend much of their time managing communication, documentation, planning, and coordination across teams and projects. These essential tasks keep work moving but can be incredibly time consuming. Leveraging AI to streamline these activities frees up both time and mental bandwidth for the work that truly drives business forward. Choosing local AI solutions instead of cloud-based options also offers meaningful advantages: stronger protection for sensitive data, responsiveness even without an internet connection, and potential cost savings.

In a previous study, we explored how cloud-based AI tools can benefit power users, such as project managers and business analysts. To build on this, we measured the benefits of upgrading to AI PCs powered by AMD Ryzen™ AI processors and using local AI technologies. We ran a set of defined scenarios three ways:

- **Using local AI technologies** on a modern AI-capable PC powered by an AMD Ryzen AI processor
- **Completing the same tasks manually** on the same modern AMD Ryzen AI processor–based PC
- **Completing the tasks manually** on a 4-year-old PC

Local AI features reduced task-completion time by as much as 95.6 percent compared with traditional, non-AI approaches. For example, summarizing a meeting transcript manually took 38 minutes, but AI tools cut this time to 1 minute and 40 seconds. These findings show what a powerful choice AI-capable PCs with AMD Ryzen processors can be for information-driven professionals who want to incorporate AI in their daily workflows.

What's on a power user's to-do list?

Consider Brad, a project coordinator at an engineering firm. His responsibilities range from building project plans and Gantt charts to preparing and updating presentations, managing client communications, and organizing meetings. His manager recently encouraged him to explore local AI tools to work more efficiently while also keeping confidential client data secure. By automating some of his routine tasks, Brad can redirect his time and attention toward higher-value work that has a greater impact on the business.

Why local AI tools are an excellent choice

Cloud-based AI services offer plenty of value, but running AI directly on the PC can give Brad—and his firm—distinct benefits:

Stronger privacy and data security. Because information never leaves the device, the risk of external data breaches is eliminated. Sensitive, proprietary work stays protected, and meeting regulatory requirements becomes simpler.

Instant performance and offline reliability. With no need to communicate with a remote data center, local AI delivers quick responses. It also works without an internet connection, making it dependable in remote locations, during outages, or in secure, air-gapped environments.

Long-term cost efficiency. In contrast to cloud AI tools that require ongoing subscription fees, many local AI runs without recurring usage costs, offering meaningful savings over time.

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

By using modern AI PCs equipped with AMD Ryzen AI processors rather than their older counterparts, professionals such as Brad can greatly streamline many of the tasks that they perform on a routine basis. To measure this, we started our testing by carrying out seven scenarios on an HP EliteBook X G2a equipped with an AMD Ryzen AI 7 PRO 450 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

HP EliteBook X G2a[1]

AMD Ryzen AI 7 PRO 450 processor
AMD Radeon™ 860M GPU
32 GB of DDR5 memory

We first completed each scenario using primarily local AI tools and then did so using a manual approach. AMD provided initial tasks and workflows. We reviewed them and—in some cases—adjusted them to reflect real-world usage. In some cases, a single individual performed the manual approach three times, and in other cases, three individuals each performed the task a single time. For complete details on the test systems and our procedure, see the science behind the report.

Table 1 shows our test results. On the modern HP EliteBook X G2a with an AMD Ryzen AI 7 PRO 450 processor, AI tools reduced the time to execute tasks by as much as 95.6 percent. We briefly explain the different approaches in the sections to come and provide detailed test scenarios in the science behind the report.

Table 1: Time to complete tasks on the HP EliteBook X G2a 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	0:07:12	0:00:49	**0:06:23**	**88.6%**
Summarizing a meeting transcript	0:38:27	0:01:40	**0:36:47**	**95.6%**
Reviewing Jira tickets	0:20:09	0:02:49	**0:17:20**	**86.0%**
Creating a project plan	0:30:14	0:11:42	**0:18:32**	**61.3%**
Creating a Gantt chart in Excel	0:08:12	0:02:18	**0:05:54**	**71.9%**
Updating a presentation	0:03:11	0:01:00	**0:02:11**	**68.5%**
Managing client communication and scheduling meetings	0:19:23	0:04:36	**0:14:47**	**76.2%**

Even greater time savings when upgrading to a modern AI PC powered by an AMD Ryzen AI processor

As we showed in Table 1, running AI locally on a modern system already delivers significant time savings compared to manual workflows. For anyone upgrading from an older machine, the gains become even more dramatic. To illustrate this, we repeated our manual workflow tests on an HP EliteBook 865 16 inch G9 Notebook PC equipped with an earlier AMD Ryzen processor.

In the sections that follow, we break down how much additional time Brad could save by moving to a new system and relying primarily on local AI technologies. In addition to measuring the impact of AI workflows, we also evaluated productivity performance differences between the two devices using a benchmark designed to simulate everyday office tasks while multitasking with an LLM.

2026 system

HP EliteBook X G2a

AMD Ryzen AI 7 PRO 450 processor
AMD Radeon 890M GPU
32 GB of DDR5 memory

2022 system

HP EliteBook 865 16 inch G9 Notebook PC

AMD Ryzen 5 PRO 6650U processor
AMD Radeon GPU[2]
32 GB of DDR5 memory

About the AMD Ryzen processors in our test systems

The HP EliteBook X G2a we tested featured an AMD Ryzen AI 7 PRO 450 processor with AMD Radeon 860M GPU. It had 8 cores, 16 threads, a 5.1GHz Max boost clock, 8MB L2 cache, 16MB L3 cache, 32 GB of DDR5 memory, and up to 50 NPU trillions of operations per second (TOPS) and up to 66 overall TOPS AI performance.

▸ Learn more

The HP EliteBook 865 16 inch G9 Notebook PC we tested featured an AMD Ryzen 5 PRO 6650U processor. It had 6 cores, 12 threads, a 4.5GHz Max boost clock, 3MB L2 cache, 16MB L3 cache, and 32 GB of DDR5 memory.

▸ Learn more

Generating and scheduling tasks from emails

Brad often learns about new tasks through email. For the AI-enabled version of this scenario, which we performed on the modern AI PC powered by an AMD Ryzen AI processor, we used Noodle, an AI-powered productivity tool that manages work, email, and calendars in a single, unified platform. (Note: Our testing leveraged an alpha version that AMD provided.) We used Noodle with a local Llama model to analyze the email, identify the required subtasks, automatically generate a task, and convert it into a scheduled calendar event.

We used the 4-year-old PC for the manual workflow, which involved reading the email in Microsoft 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 greatly shortened the time required to complete the task, **reducing it by more than 6 minutes**—an average improvement of 88.8 percent (see Figure 1).

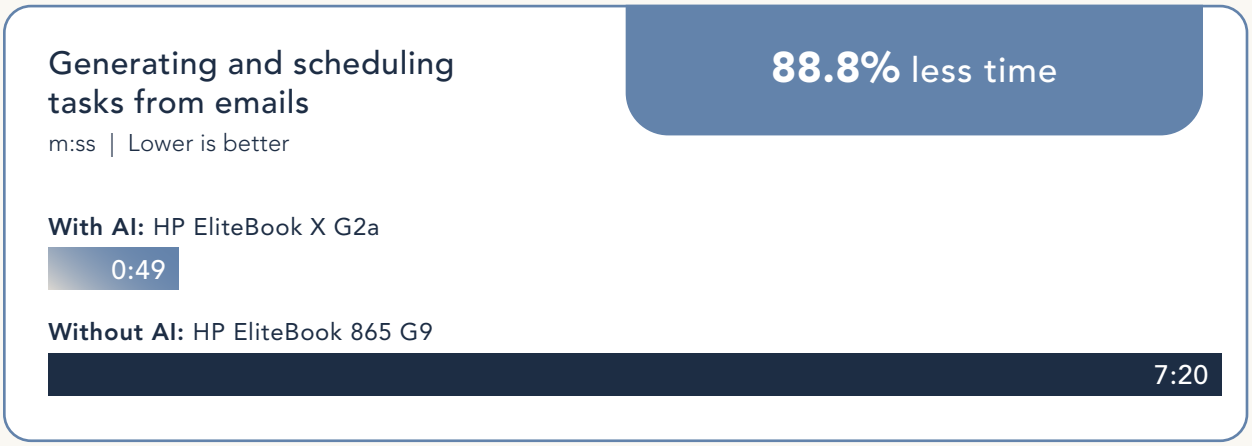


Figure 1: Time to generate tasks from emails on a modern AI PC with AI assistance and on a 4-year-old PC without AI assistance. Source: PT.

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

Occasionally Brad receives a meeting transcript, either due to missing a meeting or as part of an email exchange with a client. Our test scenario involved summarizing the contents of a transcript. The AI workflow on the modern AI PC 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. One person performed the task three times using each approach, and we report the average time.

The manual workflow, which three people performed using the 4-year-old PC, required reading the meeting transcript, identifying key sections, and drafting the meeting minutes manually in Microsoft Word using the required structure.

As Figure 2 shows, the manual approach took over **38 minutes, vs. less than 2 minutes** when the Generate and Liquid AI tools created the notes, a savings of 95.6 percent.

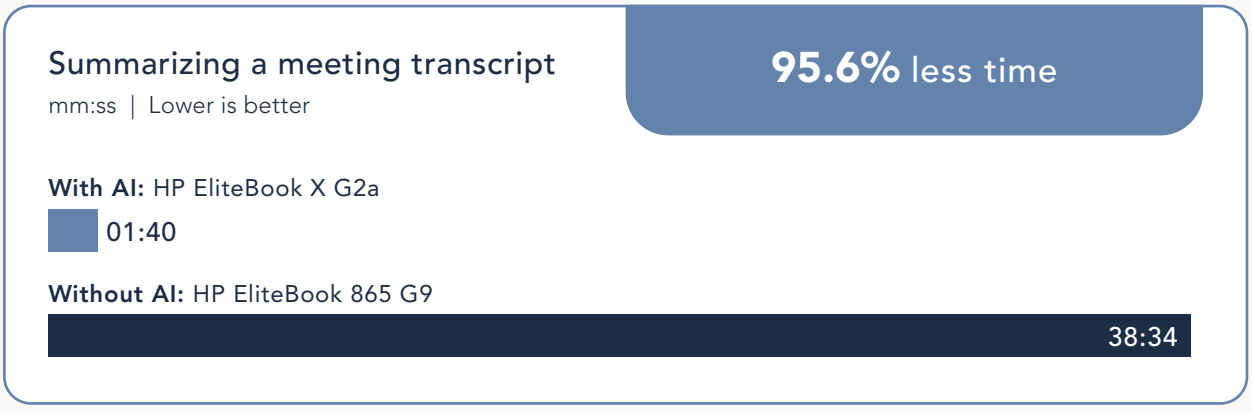
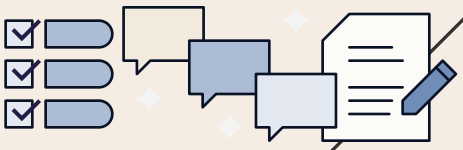


Figure 2: Time to summarize a meeting transcript on a modern AI PC with AI assistance and on a 4-year-old PC without AI assistance. Source: PT.



Reviewing Jira tickets

For issue tracking and other project management tasks, Brad's firm uses Jira, a tool from Atlassian. Jira tickets organize, track, and manage tasks throughout the project lifecycle. This test scenario compares two ways of reviewing Jira tickets. For the AI workflow on the modern AI PC, we used JIRA MCP inside Generate AI PC with a Lemonade-hosted model to summarize all Jira issues updated that day and output a ready-to-paste report. The manual workflow on the 4-year-old system 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, if Brad used the manual approach on the 4-year-old system, he'd need more than **20 minutes, vs. less than 3 minutes** when using the AI tools on the new PC. That's a savings of 86.3 percent.

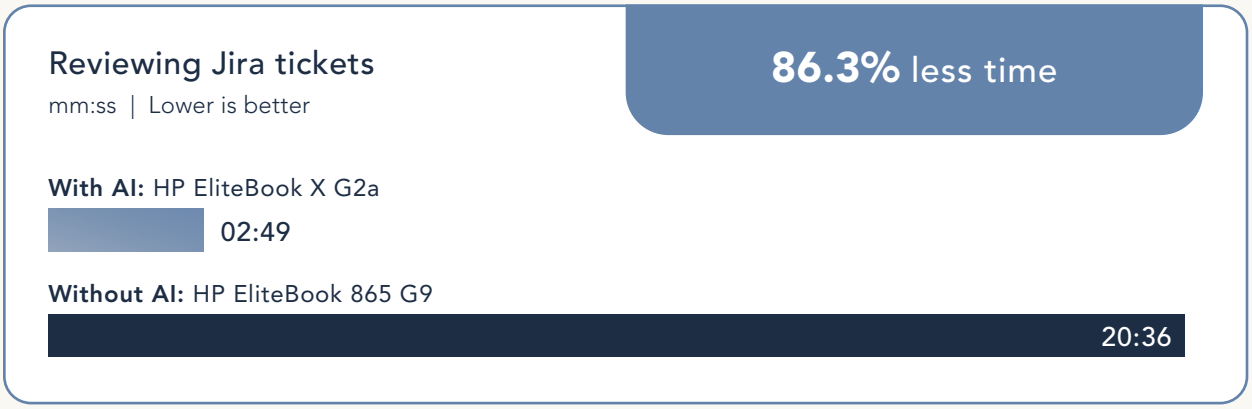
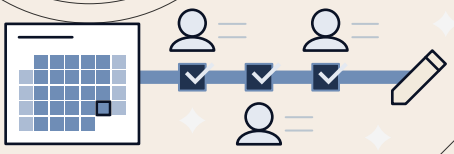


Figure 3: Time to review Jira tickets on a modern AI PC with AI assistance and on a 4-year-old PC without AI assistance. Source: PT.



Creating a project plan

Brad regularly creates project plans. The AI workflow on the modern AI 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 4-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, and we report the average times.

Using the AI tools **cut more than 18 minutes off a 30-minute manual task**, a savings of 61.3 percent (see Figure 4).

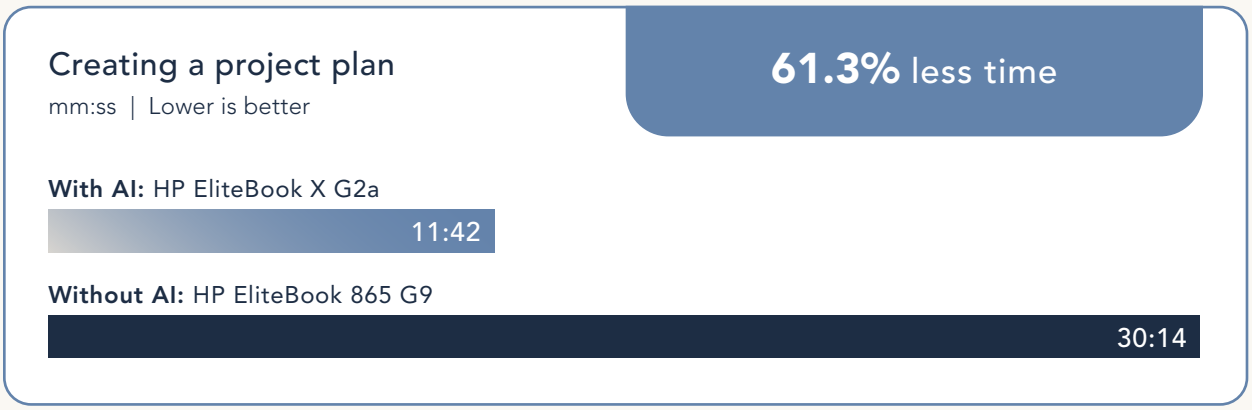
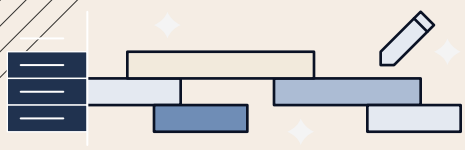


Figure 4: Time to create a project plan on a modern AI PC with AI assistance and on a 4-year-old PC without AI assistance. Source: PT.



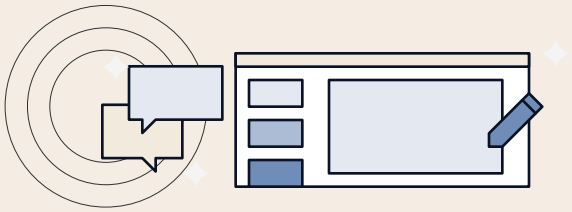
Creating a Gantt chart in Excel

Gantt charts visually represent tasks and their relationships to timelines. Brad uses them for planning, scheduling, and monitoring project progress. In this test scenario, the AI workflow used Microsoft Copilot, an AI-powered digital assistant integrated into many Microsoft 365 applications to boost productivity. We used Copilot on the modern AI PC to assist us in creating this visualization in Microsoft Excel. (Note that this Copilot feature required 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 4-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 completed the workflow three times, and we report the average times.

Employing AI assistance accelerated the task substantially, **reducing an 8-minute task to less than 3 minutes** (see Figure 5). That's a savings of 71.9 percent.

Figure 5: Time to create a Gantt chart in Excel on a modern AI PC with AI assistance and on a 4-year-old PC without AI assistance. Source: PT.



Updating a presentation

Brad often prepares presentations for clients. This scenario involved updating a Microsoft PowerPoint presentation to edit images and include new content from a press release. The AI workflow on the modern AI PC used Click to Do, a local AI feature from Copilot, to edit images, blur backgrounds, extract content from the press release, and insert updated assets into PowerPoint. The workflow on the 4-year-old PC required doing these tasks manually. We performed the task three times using each approach and report the average time.

As Figure 6 shows, **using the AI tools reduced a 3-minute task to 1 minute**, a savings of 69.6 percent.

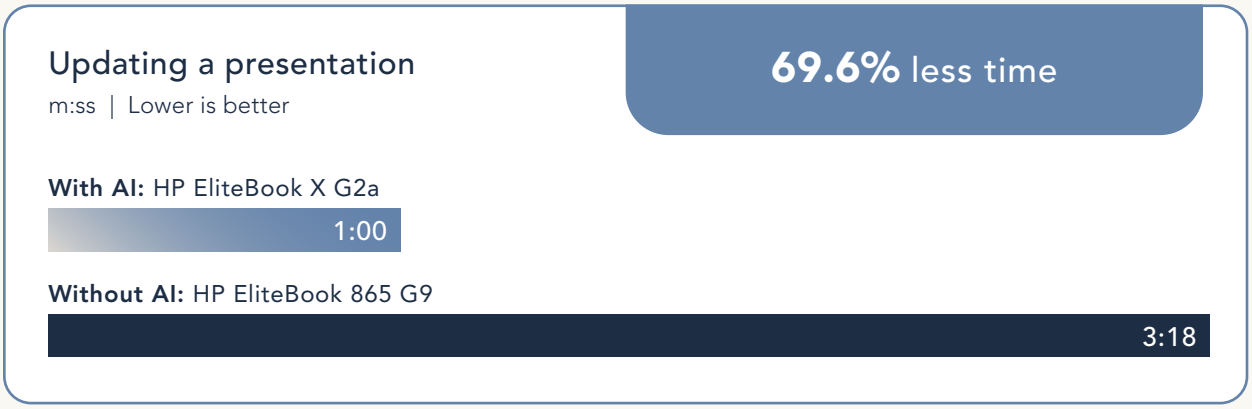


Figure 6: Time to update a presentation on a modern AI PC with AI assistance and on a 4-year-old PC without AI assistance. Source: PT.

Managing client communication and scheduling meetings

Communicating with clients and scheduling meetings is a core function of Brad's role as a project manager. The AI workflow for this scenario used n8n, a 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.

By comparison, the manual workflow on a 4-year-old PC would require Brad to read each new email, determine its priority, send acknowledgment messages, manually create and describe tasks in the To Do app, attach the email, and organize follow-up actions by hand.

Using AI tools cut a 20-minute task to less than 5 minutes (see Figure 7). That adds up to a savings of 77.0 percent.

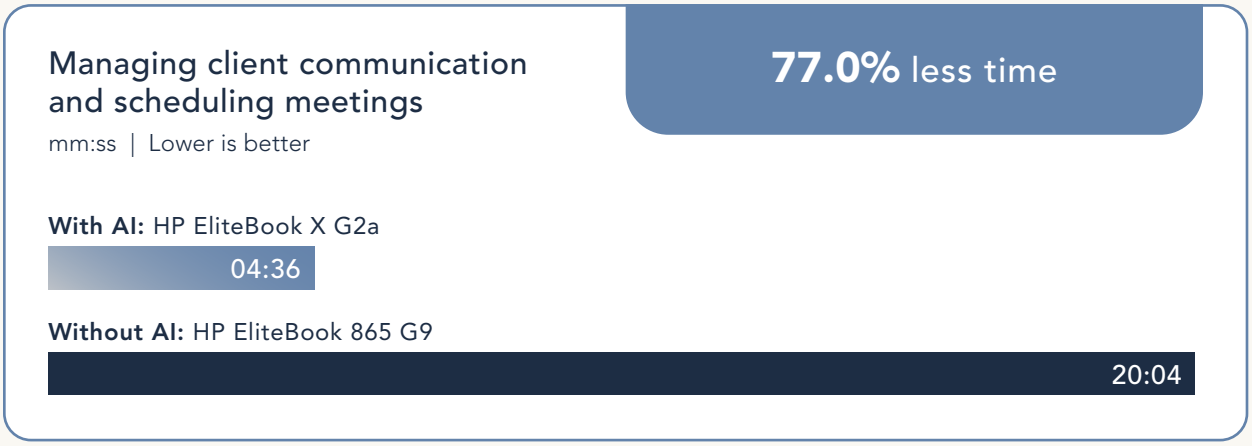


Figure 7: Time to manage client communication and schedule meetings on a modern AI PC with AI assistance and on a 4-year-old PC without AI assistance. Source: PT.

Time savings across the workflow

We combined the time required to complete each test scenario once and show this in Figure 8. Implementing AI technologies on the modern AMD Ryzen AI processor-powered PC reduced the time from **more than 2 hours to less than 25 minutes**—an 80.5 percent reduction. The time saved would allow Brad to focus on other, more valuable activities. In addition, because all of the AI workflows—except the one used to create a Gantt chart—are PC-based and do not require an internet connection, most of these tasks could be completed from virtually anywhere, regardless of connectivity.

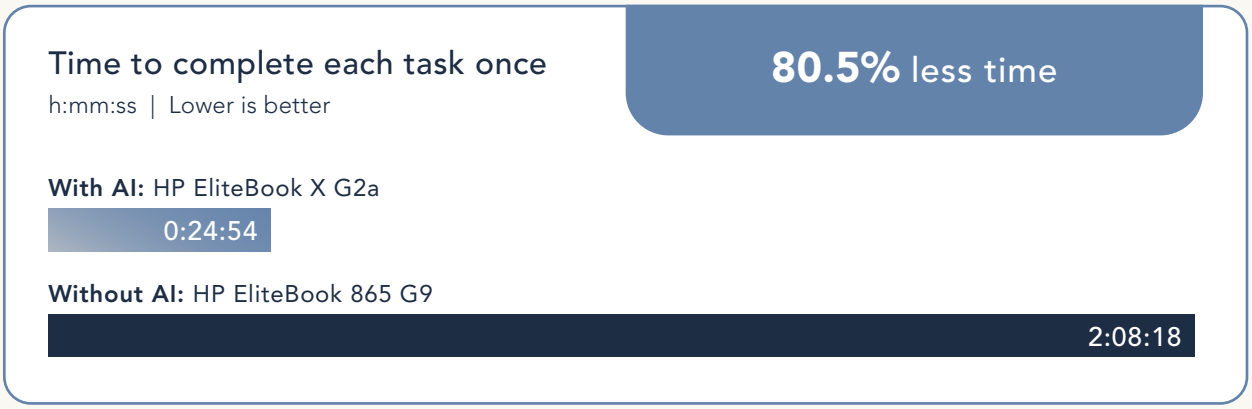


Figure 8: Time to complete all seven activities once on a modern AI PC with AI assistance and on a 4-year-old PC without AI assistance. Source: PT.

Potential time savings across a workweek

Next, we estimated the amount of time a professional such as Brad could save over the course of a typical workweek by employing AI technologies on a new AI PC. To do so, we estimated how many times per week he might execute our test scenarios. 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 weekly
- **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 presents the results of our estimations. Considering the frequencies noted above and the time required for each approach, using AI features on the modern system powered by AMD Ryzen AI processors could reduce the time Brad spends on these routine activities to roughly one-fifth of the current level. **Rather than averaging 24 hours and 40 minutes—about three standard 8-hour workdays—he could complete the same work in approximately 4 hours and 45 minutes**, a savings of 80.7 percent. Shifting these tasks to AI-supported workflows could significantly reshape Brad's work life, enabling him to focus more on higher-level problems and increase his contributions to the firm.

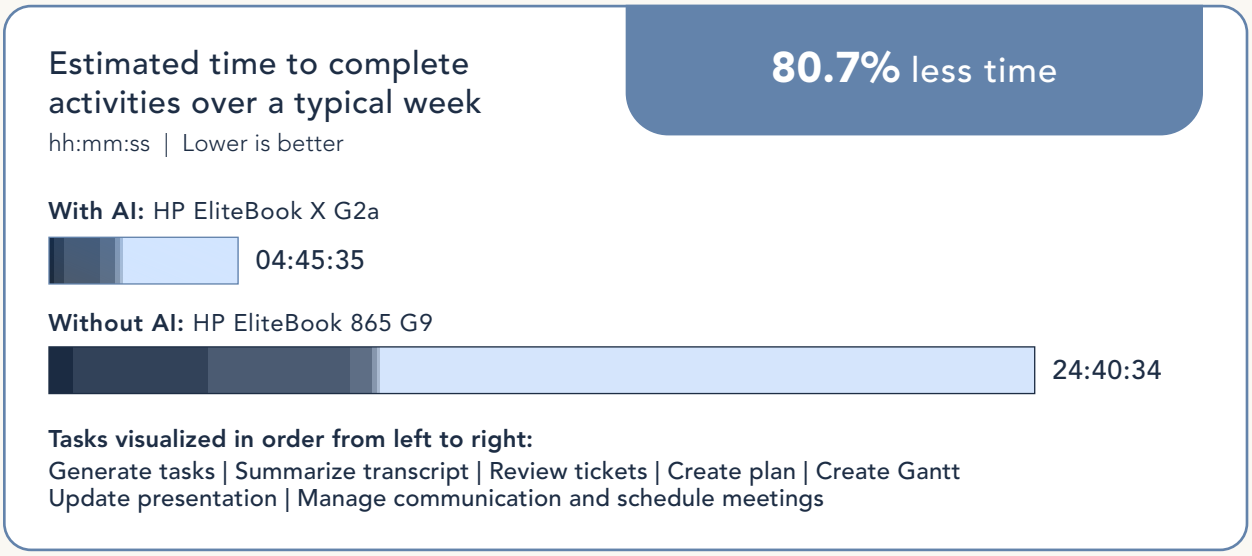


Figure 9: Estimated time to complete all seven activities over a typical work week on a modern AI PC with AI assistance and on a 4-year-old PC without AI assistance. Source: PT.

Focus on productivity

In the near future, workloads on personal computers are likely to consist of a combination of traditional applications and AI agents. Power users, in particular, will likely be early adopters as they seek to maximize productivity. To examine the productivity potential of our two test systems, we ran the Procyon® Office Productivity benchmark while simultaneously running a local LLM. On the modern AMD Ryzen AI processor–powered PC, the model utilized the neural processing unit (NPU), while on the 4-year-old PC, it ran on the GPU because the system lacked an NPU. As shown in Table 2, **the newer system delivered roughly twice the productivity of the older system**.

Table 2: Procyon Office Productivity benchmark scores while simultaneously running an LLM on a modern AI PC (equipped with a GPU and an NPU) and a 4-year-old PC (equipped with a GPU). Higher is better. Source: PT.

Procyon Office Productivity	HP EliteBook X G2a model running on NPU	HP EliteBook 865 16 inch G9 Notebook PC model running on GPU	Percentage improvement
Overall rating - Median	**7,137**	**3,621**	**97.1%**
Word score	7,738	4,304	79.7%
Excel score	6,834	3,331	105.1%
PowerPoint score	8,388	4,177	100.8%
Outlook score	4,870	2,280	113.5%

Conclusion

By using AI capabilities, project managers and other professionals can significantly boost productivity by offloading routine tasks and freeing up time for more complex, high-value work. Opting for AI tools that run locally instead of in the cloud also offers key advantages: 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.

In testing with two HP systems, using primarily local AI tools reduced task completion times by as much as 95.6 percent. Based on estimates of how frequently the evaluated tasks occur, we found that using AI technologies on the new PC could reduce the weekly time spent on a set of common tasks from an average of 24 hours and 40 minutes to 4 hours and 45 minutes—**a savings of almost 20 hours, half of a typical workweek**. Employees could redirect this saved time toward higher-value work and innovation.

AMD Ryzen AI PRO 400 Series processors are designed to support enterprise AI workloads. When employees use PCs equipped with these processors and take advantage of local AI capabilities in their daily work, organizations can realize meaningful productivity gains.

1. The HP EliteBook X G2a we tested was a pre-release model. It is possible that it will look different from the model pictured.
2. The HP EliteBook 865 G9 did not report the specific model of the GPU.

This project was commissioned by AMD.

Read the science behind the report ▶

Primary contributors

Tech: Jesse R., Travis B.

Writing: Laura W.

Design: Jared White

PM: Scott Luchene

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.