

Using local AI-enhanced workflows on AMD Ryzen AI PCs can dramatically reduce task completion time for professionals

In our tests of developer and project-management scenarios, AI on new PCs saved 2 or more workdays per week vs. traditional approaches on older PCs

SANTA CLARA, CA, UNITED STATES, April 2, 2026 /EINPresswire.com/ -- Principled Technologies has released two new reports demonstrating that using AI tools on a modern PC powered by AMD Ryzen AI processors can significantly accelerate routine project-management and development tasks compared to using traditional workflows on a 4-year-old PC. When professionals can leverage AI to complete certain tasks more quickly, they can redirect the time they save to higher-value work and innovation. Because the AI tools that PT tested primarily ran locally instead of in the cloud, professionals could save time while also better protecting sensitive data, enjoying quicker response times, and being able to work without an internet connection.

The report focusing on activities performed by developers stated: "In our testing, using local AI tools on a new HP EliteBook X G2a AI PC powered by an AMD Ryzen AI processor reduced task completion times by as much as 97.5 percent compared to completing the same tasks manually on a 4-year-old HP EliteBook 865 16 inch G9



Principled Technologies®

A Principled Technologies report: Hands-on testing. Real-world results.

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.

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Notebook PC. Based on our estimates of how frequently these tasks typically occur, we found that using AI tools on the newer system could lower weekly development-related work time from an average of 24 hours and 6 minutes to approximately 6 hours and 13 minutes. This represents a reduction of almost 18 hours of work per week—equivalent to over two standard workdays.”

The report focusing on project-management activities stated: “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.”

Read the project-management report at <https://facts.pt/tgcQYTC> and the developer report at <https://facts.pt/MGqLMKC>.

About Principled Technologies, Inc.

Principled Technologies, Inc. is the leading provider of technology marketing and learning & development services.

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The infographic features a purple and white color scheme with a grid pattern. At the top left, it reads 'A Principled Technologies report: Hands-on testing. Real-world results.' and includes the PT logo. The main title is 'Better manage demanding workloads by upgrading to AI PCs powered by AMD Ryzen processors'. Below this, a text box explains that using local AI capabilities allows workers to accelerate tasks, devote more time to complex business problems, and handle stress better. A central text box describes how AI helps technical professionals with repetitive tasks, and lists three test scenarios: using local AI on a modern PC, completing tasks manually on a modern PC, and completing tasks manually on an older PC. A circular profile of a 'Tech expert' is shown on the right. Two callout boxes on the right state: 'Reclaim up to 2 work days per week for high-value work by streamlining activities with local AI features' and 'Cut the time to complete a task by up to 97.5% by using local AI technologies'. The bottom of the infographic repeats the title and includes the date 'March 2026'.

Better manage demanding workloads by upgrading to AI PCs powered by AMD Ryzen processors