

AI Agents Overtake Humans: The Agent Era Has Arrived

MANAGEMENT SUMMARY & CORE TAKEAWAY

AI agents have already overtaken humans in token usage: on OpenRouter, one of the largest AI infrastructure platforms, autonomous agents now consume five times more tokens than humans as of August 2026 - a 14-fold increase since February 2026. For Swiss SMEs, the shift to autonomous systems is no longer a future question but current reality.

CONTEXT & EXECUTIVE RELEVANCE

Autonomous AI agents on OpenRouter now consume five times more tokens than human users - a milestone reached in February 2026, when agent usage first overtook human usage, followed by 14-fold growth since then. This is not a forecast for some future date; it is the current state of one of the world's largest AI infrastructure platforms.

OpenRouter is an AI gateway through which companies and developers access more than 70 model providers, processing roughly 28 trillion tokens per week - an estimated one percent of global AI inference. That scale makes the platform one of the most reliable early indicators of where enterprise AI usage is actually heading, well before it shows up in official industry reports.

CORE ACTION ITEMS

- 01 February 2026: agents overtake humans in token usage for the first time - the tipping point has arrived.
- 02 August 2026: agents consume 5x more tokens than human users.
- 03 14x growth in agentic consumption within six months - from roughly 500 billion to 7.3 trillion tokens per week.
- 04 13 to 15x more tokens per individual request compared with a human request.

SWISS COMPLIANCE & ARCHITECTURE GUIDELINES

- ☑ Full compliance with revised Swiss Data Protection Act (revDSG).
- ☑ Zero vendor lock-in on closed proprietary models.
- ☑ Seamless integration into Abacus, Bexio and M365 ecosystems.

Non-Binding Process Analysis

Let us review in 20 minutes where AI agents create immediate measurable efficiency in your workflows.

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