Custom AI Agents That Deliver Results

Build agents with generative AI that make decisions, take actions, and help you achieve your business goals

What Are AI Agents?

An AI agent is a system that autonomously pursues a goal by interacting with its environment using the tools at its disposal.

Agents increase efficiency by automating business processes end-to-end. These intelligent AI systems solve tasks, coordinate specialized tools, and deliver measurable ROI by handling work that would otherwise require significant manual effort. Agents increase productivity by enabling employees to focus on creative and strategic work rather than routine processes.

How deepset Agents Work

Powered by our open-source AI framework Haystack and enterprise AI platform, deepset agents deliver advanced automation through:

- **Intelligent Reasoning:** Multi-level feedback loops enable advanced decision-making.
- **Tool Orchestration:** Various specialized tools are used in sequence to solve multi-step problems.
- **Built-In Quality Assurance:** Internal validation occurs at each step to ensure high-quality outputs and accuracy of results.
- **Full Transparency:** Complete traceability of all decisions and actions, with conversation memory maintaining context
- **Balanced Autonomy:** Perfect equilibrium between deterministic (human-led) and autonomous (AI-driven) operations.

Real-World Impact with deepset Agents

Customer Use Case #1: Market Research Firm

Agent handles research and information requests by coordinating specialized tools across content databases and brand tracking systems.

It delivers comprehensive reports automatically, providing faster insights and **increasing client engagement by 30%.**

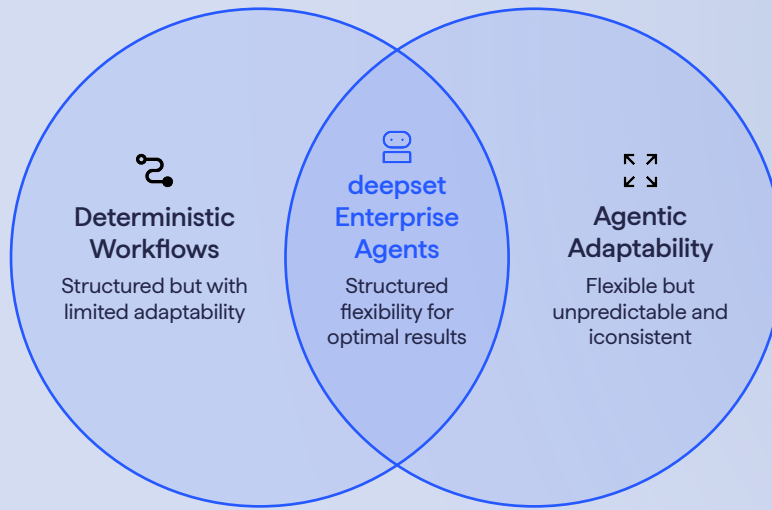### Customer Use Case #2: Legal Company

Agent accelerates case law research by iteratively searching multiple legal databases and evaluating their content.

It serves as a detailed analysis tool for lawyers, cutting research time and **boosting search recall by 77%.**

Balance Structure and Flexibility

Strike the optimal balance between reliable deterministic workflows and dynamic agentic capabilities with deepset's modular approach to building AI systems.

Deterministic Workflows
Structured but with limited adaptability

deepset Enterprise Agents
Structured flexibility for optimal results

Agentic Adaptability
Flexible but unpredictable and iconsistent

Accelerate Your AI Agent Journey with deepset's Comprehensive Approach

Enterprise-Ready Platform

Deploy confidently with an end-to-end AI development platform featuring built-in security controls, governance, and compliance.

Best Practices for Faster Development

Achieve 10x faster development with our library of prebuilt agent templates, reusable components, and integrations.

Expert Implementation Services

Work with seasoned AI engineers to customize agents to your business, use case, and systems of knowledge.

Open-Source Foundation

Benefit from the flexibility and innovation of Haystack, our proven AI orchestration framework that gives you production-ready building blocks for custom LLM apps and agents.

Deployment Flexibility

Maintain complete control with deployment options spanning cloud, on-premises, or hybrid configurations

Vendor-Agnostic Design

Switch between any commercial or open-source model without lock-in, ensuring you always have access to the best AI capabilities even as the market evolves.

deepset empowers you to tailor AI to your business, building high-value, mission-critical applications and agents that drive adoption and ROI. We focus on your outcomes, accelerate execution with expert services, and streamline the AI lifecycle into a fast, repeatable process—all built on Haystack, the trusted foundation for enterprise AI orchestration

Learn more and schedule time with an AI Expert at deepset.ai