

MODELON EXPANDS AI ASSISTANT IN MODELON IMPACT WITH AGENTIC SIMULATION CAPABILITIES

Modelon, a leader in cloud-native, physics-based system simulation software, today announced new agentic simulation capabilities for its artificial intelligence (AI) assistant in Modelon Impact, its flagship platform for system simulation. These enhancements extend the role of AI from guidance and troubleshooting to more active participation in simulation workflows, helping engineering teams run system experiments and analyses, and moving faster from questions to insights.

The AI Assistant is available on Modelon Impact in the cloud, with frequent updates and improvements delivered directly to all users. The latest release includes model-aware responses, parameter and variable discovery, workspace-aware dependency support, clearer progress feedback, and the ability to respond in the user's language— a feature that will increase productivity across global engineering teams.

Traditionally, simulation software requires users to manually navigate complex models, configure experiments, inspect logs, and interpret results through time-consuming processes. With the expanded AI Assistant, many of these tasks can be initiated or accelerated through conversational interaction. This opens up Modelon Impact to a broader user base, as it lowers the barrier to entry for new users while enabling experienced engineers to focus more time on higher-value work.

The Modelon Impact platform is built on a modular and context-aware AI architecture, designed to support deeper interaction with engineering models and workflows. The Model Context Protocols (MCP) is used for accessing and interacting with contextual data, supporting a secure, scalable, and interoperable AI experience. The MCP-based architecture also unlocks new business models as agentic AI capabilities continue to evolve.

“Modelon’s AI Assistant proved highly valuable for troubleshooting, as it helped us to quickly identify where we had made mistakes, understand the simulation log, and find clear steps to resolve the issues. It also supported proper component parametrization, making the modelling process faster, more transparent, and easier to navigate,” said Jan Škruba, Project Engineer at Resalta.

“By extending our AI Assistant to actively participate in simulation workflows, we are taking the next step toward truly AI-driven engineering,” said Pieter Dermont, Chief Revenue Officer at Modelon. “These capabilities help our customers move faster from model questions to simulation results, enabling better decisions and speeding up innovation.”

The AI Assistant will continue to evolve, drawing on Modelon’s commitment to open standards such as Modelica, FMI, and MCP. Customers can build their own models, incorporate their domain knowledge, and maintain control of their intellectual property while using AI to work more efficiently across complex engineering challenges.

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About Modelon

Modelon provides systems modeling and simulation software that accelerates product innovation, development and operations in a range of industries. Modelon's flagship product, [Modelon Impact](#), is a cloud-native, AI-driven system simulation software platform featuring a collaborative browser-based interface and thousands of proven models and components spanning a broad range of applications. Headquartered in Lund, Sweden, and with global reach, Modelon is an expert industry leader in model-based systems engineering with a focus on leveraging open standard technologies. Modelon AB is listed on Nasdaq First North Growth Market with ticker symbol MODEL. Redeye Nordic Growth AB is appointed the Company's Certified Adviser.

Attachments

[Modelon Expands AI Assistant in Modelon Impact with Agentic Simulation Capabilities](#)