

AI - Native Development for Gensym

Any MCP-compatible AI assistant, such as Cursor, Claude Code, Claude Desktop, ChatGPT, now searches Gensym docs, analyzes your knowledge bases, and develops directly against a live Gensym server.

Does Gensym development feel hard to scale? Gensym G3 AI, anchored by the new Gensym MCP Server, lets the AI assistant your team already uses operate against Gensym directly. 40 tools across documentation intelligence, codebase analysis, and live development become available with one config snippet and one API key. Plug-and-play with every existing Gensym server and knowledge base. No migration.

- ✓ Domain experts code in plain language
- ✓ Decades of KB knowledge become AI-Usable
- ✓ Plug-and-play, fully backward compatible

Key Features

- **Documentation Intelligence (12 tools):** Hybrid keyword and semantic search across the Gensym Reference Manual, Tutorials, and System Procedures. Every answer is grounded in cited source material with no hallucinated APIs.
- **Codebase Analysis (11 tools):** KB export plus summaries, dependency diagrams, stale-code detection, performance anti-pattern flags, and interactive HTML reports that are grounded in your actual KB exports.
- **Live Gensym Development (14 tools):** Compile Gensym code against a live parser before it lands. Create, update, and delete procedures, rules, variables, and classes. Save and merge knowledge bases. Read live attributes, active rules, the Operator Logbook, and the Message Board.
- **Plus 3 developer utilities:** syntax guide, document catalog, and health check.

Your AI assistant selects the right tool automatically according to your query!

🔗 Challenge

✨ Solution

Time lost on routine coding tasks

Gensym G3 AI writes and compiles Gensym code from plain-language prompts, allowing engineers to spend their time on harder, domain-specific work.

Legacy KBs hard to modernize

Stale-code detection, bottleneck flags, and Mermaid dependency diagrams surface what's safe to remove and where to optimize.

G2 knowledge scattered across manuals

Hybrid search across the three official Gensym manuals, with every answer cited and grounded in source documentation

AI tools not integrated with the developer workflow

Plug-and-play with Cursor, Claude Code, Claude Desktop, and any MCP-compatible IDE. One config, one API key, no infrastructure changes.

Sensitive KBs can't be sent to public AI services

Pair Gensym G3 AI with a local model and your knowledge base and code will never leave your machine. Development and reasoning both stay local, with nothing handed to a third-party AI provider.

"This is a real generational step, and I mean that operationally. Our engineers can now work with our knowledge bases and our documentation in ways that were not possible before, whether that's accelerating new development or making sense of decades of accumulated work, with the precision industrial applications require."

- **Niel de Clerk**, *Manager of Control Technology, Anglo American Digital Automation*

Gensym G3 AI delivers on the original Gensym promise: that domain experts, not programmers, encode the logic that runs the industrial world. Now updated for the AI era, with full backward compatibility for every existing G2 deployment.