

Streamlining the SDLC for a leader in global energy technology

A global energy technology leader needed to streamline its software development lifecycle (SDLC) to improve efficiency, enhance code quality, and maintain its competitive edge. With GlobalLogic's Al-powered SLDC solutions, we delivered:

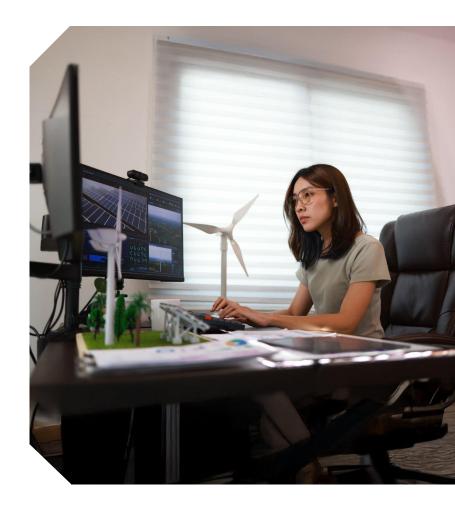
increased developer more unit test productivity coverage

20%

50%

20%

improved code coverage



Challenge

Operating in a fast-paced, high-stakes industry, the client faced increasing pressure to deliver high-quality software under tight deadlines.

Their development teams needed a way to automate repetitive coding tasks, improve code review efficiency, and boost test coverage to maintain reliability and speed in software releases.

The goal was to integrate Al-driven solutions to streamline workflows, reduce manual effort, and ensure consistent software quality.



Value Created

- Integrated AI-powered automation to streamline critical SDLC tasks.
- Enhanced code review processes by detecting potential memory leaks and performance issues.
- Automated code documentation generation, saving time and reducing manual effort.
- Automatically generated unit test cases, **improving test coverage** and validation.

Impact

- ~20% increase in developer productivity with task automation.
- ~20% improvement in overall code coverage and ~50% increase in unit test coverage.
- Faster issue detection, leading to reduced development time and improved software quality.
- Improved developer experience with **enhanced collaboration** and learning opportunities.