VELTRIS
INNOVATE | ACCELERATE | TRANSFORM

AI-NATIVE ENGINEERING IN ACTION

Autonomous Delivery Model Powering 50% Engineering Productivity Gains

Challenge

A modern software engineering organization faced mounting pressure to accelerate delivery cycles, improve code quality, and scale output without proportional headcount growth. Traditional development workflows — where engineers code synchronously during business hours, then move to testing, deployment, and issue resolution in sequential phases — created bottlenecks across the product engineering lifecycle. Coding, CI/CD management, unit testing, and production support each consumed significant engineering bandwidth, limiting the team's ability to focus on high-value architectural and customer-facing work. The opportunity was clear: move beyond simply "using AI" as a tool to embedding it as a true engineering partner across the full delivery cycle.

Approach

Established a prompt-driven delegation model where engineers generate high-level prompts and assign coding tasks to Claude Code at end-of-day, shifting from synchronous to asynchronous engineering

Built an "overnight" autonomous delivery workflow that runs unattended — Claude generates code, CD pipelines auto-deploy builds, and the regression suite executes and produces reports while the team is offline

Embedded expert "carrier-class" review as the start-of-day ritual, with senior engineers refining AI-generated code to enforce enterprise-grade quality standards

Instrumented productivity tracking across every phase of the engineering lifecycle, with monthly measurement loops that drive continuous prompt refinement and maturity gains

Outcomes Delivered

50% overall engineering productivity gain vs. 2025 baseline — up from 40% in early Q1 2026 and trending higher as prompt maturity advances

Up to 65% efficiency gain in coding and UI development and **up to 80% efficiency gain in CI/CD workflow management and unit testing,** freeing engineers to focus on architecture and product innovation

Up to 67% efficiency gain in production issue support, accelerating resolution times and improving customer experience while reducing operational burden on the team

Closing

Veltris combined deep engineering expertise, AI-native delivery practices, and disciplined human review to help the client move beyond "using AI" to a fully autonomous engineering model — delivering compounding productivity gains and carrier-class software at AI speed.