

The AI modernization edge

Modernizing enterprise applications with AI-powered coding agents for a global tech solutions provider

The Modernization
Engineering Company



Summary

A global leader in professional information and software solutions partnered with Sonata to modernize its T360 suite of enterprise applications using AI-driven development practices. Leveraging Sonata's spec-driven development (SDD) approach and GitHub Copilot coding agents, the transformation enabled rapid, high-quality modernization of legacy systems. The solution delivered 50% faster delivery timelines while enhancing agility, scalability and operational efficiency.

Customer overview

A global leader in professional information, software solutions, and services for sectors such as health, tax and accounting, risk and compliance, finance, and legal.

Headquarters	Revenue	Presence	Employees
Netherlands	€5.9 billion	40 countries	21,000+

Pressure points

The client faced challenges with legacy T360 applications that hindered agility and scalability. Core enterprise applications including Enterprise Service, Workflow, Workflow Designer, and Toolbox required urgent modernization to meet evolving business demands and maintain competitive advantage in a rapidly changing technological landscape.

Legacy applications limiting operational efficiency and innovation

Need for accelerated time-to-market for new features

Requirement for enhanced scalability and flexibility in architecture

Cost pressures demanding resource and development optimization

Necessity for secure, compliant, and future-proof development practices

Desire to adopt AI-powered development practices for future readiness

Solution highlights

Sonata designed and implemented an AI-accelerated rearchitecting approach centered on SDD and GitHub Copilot coding agents. This enabled automated code generation, testing, and documentation, supported by a streamlined team structure and secure transition to GitHub.

Spec-driven development: Structured specifications using GitHub Spec Kit mplementation

AI-powered coding agents: GitHub Copilot agents automate code generation, testing, and documentation

Automated testing: AI-generated test cases and CI/CD pipelines for quality assurance

Streamlined team structure: Optimized roles for technical lead, senior developer, QA engineer, and business analyst, supported by Copilot agents

Migration to GitHub: Transition from Bitbucket to GitHub for source control and project management

Secure and compliant development: Use of Wolters Kluwer’s enterprise GitHub Copilot licenses ensures compliance and security

Results that speak volumes

Improved software quality and reliability

Scalable architecture for future growth

Enhanced agility for responding to business needs

Empowered teams with AI-driven tools and processes

By the numbers

50% faster delivery Accelerated modernization timelines	40% cost reduction: Lower development and operational costs
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