Case Study

AI trails for clinical trials

Unifying AI development with Sonata's
platform-as-a-service for a clinical tech leader

Summary

A global leader in clinical trial technology partnered with Sonata Software to overcome fragmented AI development across its enterprise. Sonata deployed a robust AI Platform-as-a-Service (PaaS) that centralized governance, reduced redundancy, and accelerated time-to-production. The solution accelerated concept-to-production timelines by 50-60% while reducing infrastructure costs by 30-40%,

Client Overview

A global leader in cloud-based technology solutions for clinical research in the life sciences industry. With an annual revenue of over a few billion dollars, the client provides software platforms for managing clinical trials and research data.

Pressure points

Disconnected AI/ML development across 11 product lines	High duplication of work and inflated operational costs	No standard governance leading to unregulated LLM usage causing security threats	Growing risk of non-compliance with healthcare regulations

Solution highlights

Sonata introduced an AI platform-as-a-service (Paas) model that hosts and manages AI services across all departments and product lines. The AI PaaS platform provides key services including orchestration, validation, responsible guardrails, data security and cost management. The platform facilitates reusability of AI solutions and domain-based services while promoting standardized practices.

Enterprise-wide AI governance for consistency	Pre-built AI components to accelerate development	Standardized development workflows

Results that speak volumes

50-60% acceleration in concept-to-production timeline	30-40% reduction in infrastructure costs	Responsible adoption for AI risk mitigation	Reusable AI assets for cost-effectiveness