Catalyzing knowledge discovery

Transforming enterprise search with an
AI-driven semantic search platform

**The Modernization
Engineering Company**

SONATA
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Summary

Sonata Software helped a global biotechnology company modernize its enterprise search capabilities by replacing a legacy Sinequa-based platform with a scalable semantic search solution. The new system unified access to enterprise content, enabled keyword and natural language search, integrated internet search, and improved security through SSO and access controls, resulting in faster data ingestion, significantly higher search accuracy, and more relevant knowledge discovery.

Customer overview

A global biotechnology company that develops and manufactures biotherapeutic products to treat serious and rare diseases.

Pressure points

The client operated a Sinequa-based semantic search platform to index and retrieve enterprise documentation across various organizational sources. While the existing system presented significant limitations on speed, accuracy, and financial challenges that hindered the organization's knowledge management objectives.

Absence of single pane of view to access enterprise content

No internet search functionality to complement internal documentation searches

Requirement for a scalable, cost-effective alternative without compromising performance

Need for more advanced search capabilities including both keyword and natural language search support

Solution highlights

Sonata Software developed a comprehensive enterprise-scale search application that incorporates advanced semantic search capabilities and internet search functionality. The solution leverages modern semantic search technologies to deliver intelligent content discovery while significantly reducing operational costs.

Semantic search platform supporting logical operations

Natural language interactions

Metadata extraction and content enrichment for enhanced discoverability

Multi-source document retrieval from SharePoint, Shared Drives, Public URLs, and API endpoints

Content restriction based on user access Lists ensuring security compliance

Single sign-on (SSO) integration for seamless user authentication

Results that speak volumes

Faster ingestion rate compared to monolithic data pipelines

Significant improvement in top-10 search result accuracy

Additional relevance boost using Natural Language powered semantic search