

Pharmaceutical Leader Transforms R&D Search Powered by Progress Data Platform RAG Capabilities and Generative AI

AT A GLANCE

For one pharmaceutical leader, their fragmented search process was slowing the time to bring new drugs to market. To get the process back on track, the organization deployed a RAG search solution using the Progress Data Platform.

COMPANY
Pharmaceutical Leader

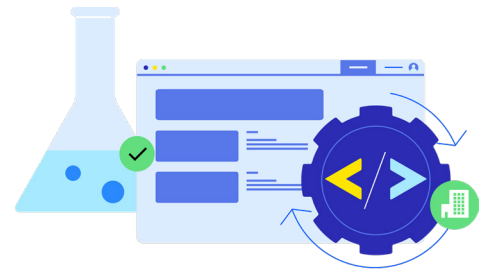
INDUSTRY
Life Sciences

PRODUCT
Progress Data Platform:
Progress® MarkLogic®
Progress® Semaphore™

COUNTRY
United States

Challenge

Bringing a new drug to market involves thousands of researchers, scientists and others who all require ready access to relevant, current data to keep the process moving forward. For this pharmaceutical company, it became a business imperative to modernize its search processes.



Solution



Leverage the Progress Data Platform, including the Progress® MarkLogic® data platform and the Progress® Semaphore™ semantic AI platform to transform the search process.



Implement the Progress advanced Retrieval-Augmented Generation (RAG) search solution to significantly improve the precision and relevance of search results.



Create a reusable ontology within the Progress Data Platform, making it a valuable enterprise asset applicable across multiple internal domains and use cases.

Results



Introducing a baseline semantic graph from Progress increased correct answers by an impressive 73%.



Substantially reduced unsatisfactory responses with initial improvements leading to a 41% reduction in poor-quality answers.



Built a foundation for continuous improvement, including an 85% relevance score and increased top-result click rates to 70%.



Learn more about how Progress RAG solutions can help you transform search capabilities to accelerate your business. **Contact us.**