

Syngenta Accelerates Agricultural Innovation with Progress-Powered Enterprise AI Search Platform

AT A GLANCE



Scientists at Syngenta spent countless hours searching through data across multiple, unconsolidated repositories. To address this, Syngenta developed the AI-powered Synapse platform, built on the Progress® Data Platform with MarkLogic® at its core. As a result, Synapse reduced time spent searching across data silos by 40%, enabling scientists to focus more on innovation and accelerating R&D.

COMPANY
Syngenta

INDUSTRY
Food & Agriculture

PRODUCT
Progress® Data Platform
Progress® MarkLogic®

COUNTRY
UK

Challenge

After a series of mergers, scientists at Syngenta struggled to access critical research data spread across legacy systems and siloed databases. Retrieving relevant information was cumbersome because their enterprise search relied on basic keyword matching and lacked an understanding of industry-specific data.

“Synapse delivers significant benefits for R&D staff. It allows scientists to search across multiple studies in natural language and explore all relevant research information in one place. R&D teams can find information they might not have known existed and avoid wasting valuable time searching for it.”

Geraint Duck
Product Safety Lead, Syngenta

Solution



Consolidated all enterprise data into the Progress® MarkLogic® platform to power the Synapse enterprise search application.



Classified and organized diverse data sources with semantic tags to improve search context and relevance.



Used NLP and machine learning to connect and enrich millions of documents from internal and external sources into a powerful knowledge graph.



Unified access to historical knowledge fosters collaboration and accelerates innovation.



Increased efficiency by enabling R&D scientists to make faster, more informed decisions.



Reduced time researchers spend searching for data by 40%, while increasing discoverability of valuable research previously 'lost' in enterprise silos.



Turn your organization's institutional knowledge into actionable intelligence with the Progress Data Platform.