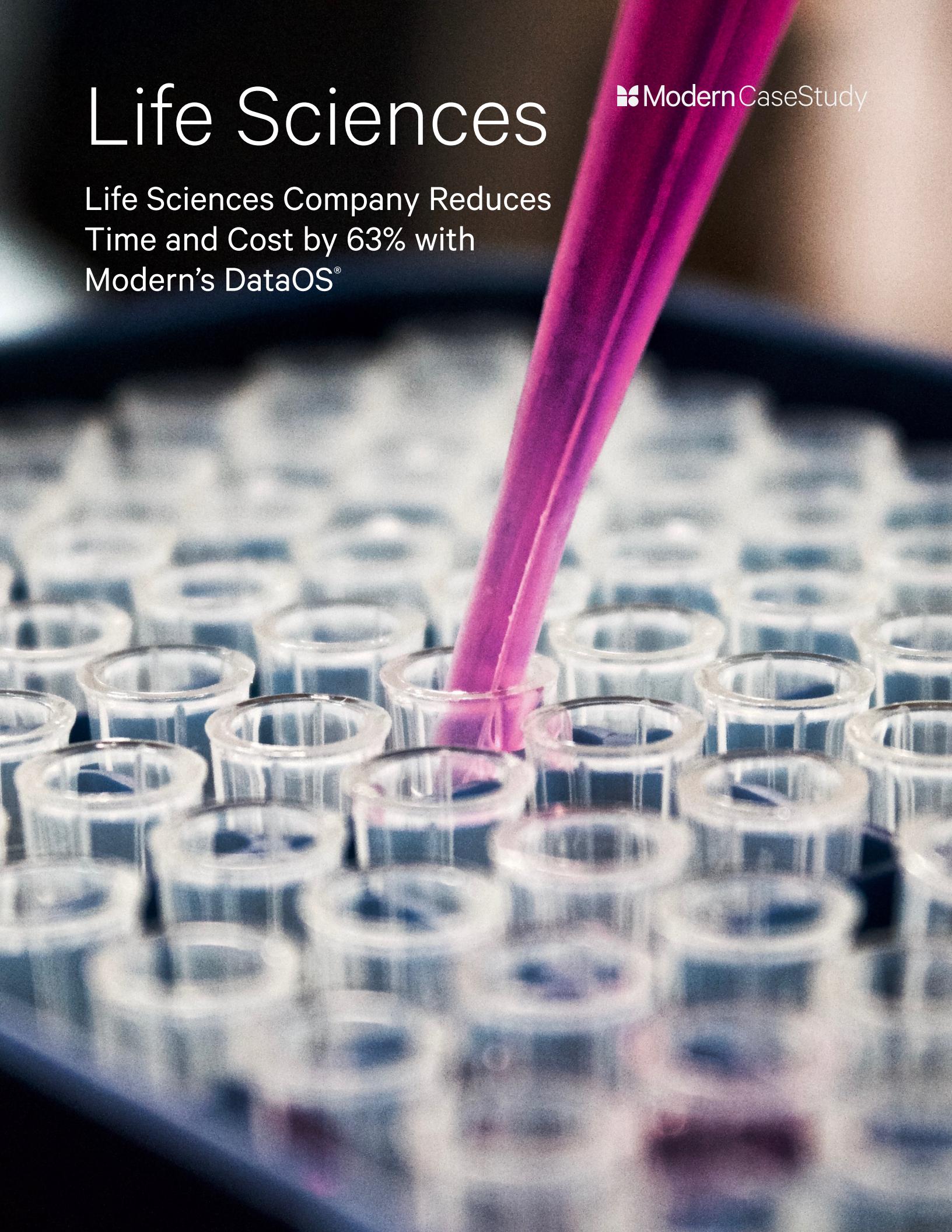


Life Sciences

Modern Case Study

Life Sciences Company Reduces
Time and Cost by 63% with
Modern's DataOS®



The Customer

As one of the largest multinational pharmaceutical companies in the world, our customer commands yearly revenues of \$4.5 billion. They want to leverage their expertise and authority to create innovative solutions for global challenges and improve the standard of living for everyone.

The Challenge

Our customer conducts research to discover new drugs, test and validate their efficacy and safety, and bring them to market. This is a painstaking process that results in vast amounts of sensitive data requiring storage, cleaning, and analysis in a highly regulated business environment. This patient, test subject, and healthy volunteer data comes from various sources, such as laboratories and electronic medical devices; its use demands care and compliance with strict privacy standards, as well as meticulous and auditable records.

The Solution

To improve time to market, our customer needed to integrate multiple data sources, and then automate data quality and audit trails. The right data solution would make it faster and easier for the company's researchers to find and analyze the right drug development data while also preserving privacy and assuring compliance with sensitive data regulations.

DataOS solved these needs.

Key Results

- 63% reduction in time and cost for product generation
- Greater trust in data solutions
- Established a single source of truth for data quality and streamlined pipelines
- 3x improvement in data pipeline speed

Industry

Life Sciences

Headquarters

Germany

Objective

Drive faster data insights using high-quality data while complying with all applicable regulations

Modern Solution

The Modern Data Company deployed DataOS in six weeks, providing out-of-the-box data cataloging, an advanced tag-based governance engine, and applications to explore the customer's data.



DataOS®: Best-in-Class Data Fabric

Unlike traditional data systems that take months to install, DataOS was deployed in just six weeks, and achieved:

- **A single universal data catalog**

All scientists now have a single source of trustworthy data, ingested from many diverse data sources.

- **Auditable data lineage**

The flow of data from origin to destination is fully tracked and auditable.

- **Compliant data governance**

Full compliance with government regulations (USFDA CGMP under 21 CFR Parts 11, 210, 211, and 212).

The Benefits

- Provides a single source of trustworthy data
- Enriches data quality by preconfiguring data validation rules so that all data are consistent, complete, and unique regardless of source
- Records the full history of the events that occur across the entire data ecosystem

Capture Real-Time Insights with DataOS

- DataOS establishes a single source of trustworthy data.
- Google-like semantic search function so that users can find the data they need.
- Users work with high-quality data from the start, helping speed up discovery and drug development.

DataOS creates datasets specifically dedicated to audit events happening across all applications and services. This “audit feed” can be packaged and syndicated to external systems to analyze and contextualize all events that occur in the data ecosystem.

As a Result, DataOS:

Improved performance on internal data audits, leading to greater trust in data and decisions & reduced time and cost for generating data products by 63%.