

# Life Sciences Company Reduces Data Product Generation Time and Cost by 63% with Modern's DataOS

## 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, advanced tag-based governance engine, and other applications to explore their data.

## DataOS Key Benefits

- Create a single source of truthful data
- Enrich data quality by preconfiguring data validation rules
- Full history of "audit trail" to understand all the events happened within the data ecosystem

## The Customer

As one of the largest multinational pharmaceutical companies in the world, our customer commands yearly revenues of \$4.5 billion. It wanted to leverage its expertise and authority to create innovative solutions for global challenges and improve the standard of living for everyone, not just the lucky few.

## 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, accumulating vast amounts of sensitive data that requires storage, cleaning, and analysis in a highly regulated business environment. Because this data comes from patients, test subjects, and healthy volunteers through laboratories and electronic medical devices, its use requires care and compliance with strict privacy standards, as well meticulous records that are open to audits.

The company needed to integrate multiple data sources, then automate data quality and audit trails to improve time to market. 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 respecting privacy and remaining compliant with sensitive data regulations.

## DataOS: Best-in-class data fabric

The customer deployed DataOS in just six weeks, unlike traditional data management systems. Modern DataOS created:

- The Data Catalog: A single source of truthful data ingested from diverse data sources
- A Data Lineage: Users can understand the flow of data from origin to destination
- Governance strategy compliant with CGMP under 21 CFR Parts 11, 210, 211, and 212

## DataOS 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.

In addition, DataOS provides all the necessary primitives to enhance data quality. Our customer pre-configured data validation rules so that all data was consistent, complete, and unique regardless of source.

## Capture real time insights with DataOS

DataOS establishes a single source of truthful data and uses a 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 consumed 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%

## About DataOS®

DataOS enables enterprises to ingest, process, transform, govern, and orchestrate data from disparate data sources to deliver a trusted and real-time view of customer and business data. DataOS humanizes data and its access, breaks data silos and transforms companies as they take steps towards data democracy and gaining business insights in real-time.

## About The Modern Data Company

Founded in 2018, The Modern Data Company (TMDC) began with the realization that enterprise-wide data access has been siloed. Data engineers and database administrators have been the longstanding data gatekeepers who funneled data to analysts and data scientists. We aim to change that by freeing enterprises to make better data driven decisions by democratizing access to data. When all employees, irrespective of their technical skills or background, can easily explore and analyze enterprise data, then both productivity and market expansion are realized at a faster pace.