

# Global Design and Architecture Firm Optimizes Space Utilization Data Using TMDC DataOS

## The Customer

Our customer is a global design and architecture firm and one of the largest revenue generators in the world of architecture. Their mission is to create a better world through the power of design.

## The Challenge

Our customer struggled to collect and deliver data to build a digital twin for their architecture projects and to use data to understand how interior spaces were being used in order to optimize space utilization.

Their internal teams attempted an in-house solution with Databricks and Azure data products, but a lack of high skill resources meant many false starts. After spending more than a year building, the data team still could not deliver the data needed.

## A Unified View of Complex Data

Unlike other data management platforms, we completed an end-to-end deployment of DataOS on the customer's cloud within four weeks. We ingested data from various sensors and IoT devices that generated data needed for the space optimization, along with other internal data sets. DataOS also helped our customer create a unified view of their data and made this data available to power front-end applications.

### Industry

Architecture

### Headquarters

San Francisco, CA

### Objective

Create better designs and optimize space utilization using data

### TMDC Solution

The Modern Data Company deployed DataOS in six weeks, ingesting different types of data from various sources.

### DataOS Key Benefits

- Created a holistic and unified view of customer's data
- Explored and understood data better with data dictionary and data lineage
- Syndicated data to various data destinations in a secure fashion

## How the Customer Used DataOS

DataOS simultaneously ingested data from various sensors and IoT devices to create a unified view of data along with its dictionary, enabling the customer to track the entire lineage of data from its origin to destination.

Our customer was finally able run their first real-world deployment of these sensors to understand and optimize space flows. They were able to demonstrate the capabilities to their customers, and subsequently win new business for the company.

## The Benefits

DataOS helped the customer reduce time in collecting and understanding data from multiple and varied sources, speeding up data analyses. Their business teams are now able to focus more on data insights and also syndicate data-to-data destinations without worrying about data security.

## 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.