CASE STUDY

UD4D
Use data for decisions

Reducing Cloud Data Platform Costs by More Than 40%

CLIENT

Multinational pharmaceutical manufacturer running SAP-based planning and operations across 140+ markets.

THE CHALLENGE

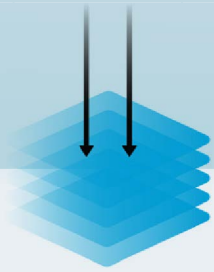
The client needed to reduce Snowflake operating costs while maintaining reporting capabilities and supporting future growth.

- Data flows not optimized for performance, consuming a significant share of Snowflake compute resources, increasing platform operating costs
- Reporting views performing poorly for end consumers while generating disproportionate compute usage
- Raw Data Vault layer for SAP IBP and SAP S/4HANA sources not optimized for MPP platforms performance, delivering limited business value due to architectural issues
- Limited visibility into cost drivers made it difficult to prioritize optimization efforts

SOLUTION

UD4D launched a multi-phase optimization initiative targeting the highest-cost areas of the data platform.

- Analysis of compute consumption across data warehouse workloads
- Optimization of the most resource-intensive data pipelines and reporting views
- Identification and removal of unused Data Vault objects
- Refactoring of downstream dependencies
- Introduction of an optimized Raw Data Vault model to improve reuse and efficiency



BUSINESS IMPACT

40%+ **reduction in compute consumption:** Daily Snowflake usage fell from 70 to 40 credits per day, directly lowering platform operating costs.

80 **reporting views optimized:** 43 refactored in phase 1 and 37 in phase 2, targeting the highest-consumption views and their downstream dependencies.

$44K **lower development cost:** Consolidating monitoring into a single platform avoided the estimated triple cost of siloed, per-division tooling.

15 **SAP tables rebuilt in the Raw Data Vault:** Reworked the most compute-intensive tables to cut redundant processing and enable reuse across downstream solutions.

TECHNOLOGY STACK

Snowflake | SAP IBP | SAP S4 | Data Vault | Dynamic Tables

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