BROCKHAUS AG

EFFICIENT VALIDATION OF COMMERCIAL DATA

ACCELERATED AND MORE ACCURATE REPORTING WITH POWER BI

INITIAL SITUATION

Our client is a leading national energy company with around six million electricity and gas customers. The company focuses on the expansion of energy networks as well as forward-looking products, innovative customer solutions, sustainable energy generation, and decentralized solutions.

As a result of a company split, it became necessary to replace parts of the company-wide application landscape as well as part of the physical infrastructure. In the course of this restructuring, the opportunity was taken to achieve cost savings and greater availability and scalability of the systems.

After an in-depth comparison, the company opted for Microsoft Azure as its cloud platform.

Since the changeover, the accounting department has ensured that the trading data from the old environment is fully and consistently mapped in the cloud and in the reports.

This reconciliation was initially time-consuming and error-prone when done in Excel due to complex dependencies.

A solution was therefore sought in Power BI that would minimize manual effort, ensure the correct creation of reports in the shortest possible time, and enable more accurate validations.

PROCEDURE

Our data expert analyzed the customer‘s complex data and validation structure. Based on this, she designed and implemented a Power BI validation report.

This report was iteratively improved and extended with additional analyses to replace further Excel reports from the accounting department.

The previously manual querying of on-premise data was automated, making all the necessary data centrally available in Azure.

Various filters that were previously set manually for each validation were now integrated.

RESULT

The validation of trading data has been significantly accelerated and made more precise by the introduction of the Power BI report. This minimizes the workload for the accounting department and the business unit.

With the new solution, it is now possible to check, step by step, whether all data from both platforms match both quantitatively and qualitatively.

Tedious and error-prone searches for the causes of discrepancies are no longer necessary.

This enables all parties involved to save time and concentrate on correcting any errors.

By accelerating the validation of accounting reports, they can be released to the departments earlier, allowing them to act more quickly on an operational and strategic level.

The dark processing rate is around 80%, and approximately 3,800 users work on the employer portal.

Together with the new tariffs, the new solution has led to a 300% increase in monthly premiums compared to the old tariffs.

SUMMARY

Our customer migrated the data platform to the cloud. To ensure data consistency, they were using a time-consuming and error-prone Excel-based solution. We replaced this validation with a Power BI report. Through process automation, manual procedures were eliminated, and automatic updates were enabled. This accelerated and improved the validation process and reduced the workload for the accounting department and the business unit.

The operational and strategic departments benefit from the greatly simplified error tracking and the faster release of validated data.

TECHNOLOGIES & METHODS

- **SQL / Snowflake**
- **Azure Cloud**
- **Power BI**

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