

Data & Reporting Automation for an APAC-Based Retailer

Problem Statement

- A massive volume of data from the D365 environment was being used to create daily reports in Excel
- Manually created external files were also feeding into the daily report creation
- The initial requirement consisted of 115 reports across different business units
- Significant manual Excel analysis was required post data extraction

Azure Services Used:

- Azure Data Factory
- Azure Data Lake Storage Gen2
- Synapse Serverless SQL Pools
- Azure Events Hub
- Streaming Analytics
- Azure SQL
- Azure AD
- Azure IAM
- Azure Key Vault
- Power BI

Solution Approach

- Created a data engineering layer to perform all necessary transformations and calculations
- Developed templates for manual files and automated data loading
- Reports were consolidated based on the similarity of data source, business unit, and execution
- Excel templates were recreated in Power BI with a daily automated refresh

Benefits Delivered

90% time saving against manual data gathering and report creation

Integration of manually entered data became significantly smoother

Total reports reduced from **115 to 19** post-consolidation, simplifying execution

Readymade templates available for direct download from Power BI — zero manual effort

About Straive

As a data analytics and AI operationalization company, we don't just build top-tier data analytics and AI solutions—we integrate them seamlessly into your core workflows. This approach drives enhanced efficiency, improves user experience, and boosts revenue, setting you apart from the competition.

Serving a diverse range of industries—including Pharmaceutical & Life Sciences, Manufacturing & Supply Chain, Science & Research, EdTech, Banking & Financial services, Retail & CPG, GCCs, and Media & Entertainment—we have a global client base spanning over 30 countries.

Our strategically positioned resource pool operates across nine countries: the Philippines, India, the United States, Nicaragua, Vietnam, the United Kingdom, Singapore, South Africa, and Canada.