

The Power of Data Drives Swift Supply Chain Decision-Making

Pepkor IT used Google Cloud Platform tools to process, consolidate, & optimize data. They employed Cloud Composer for integration & orchestration, BigQuery for a fully-managed data warehouse, & gained visibility into stock across distribution centers.

The challenge

Business lacked a consolidated global view of stock balances, inflows, outflows & distribution management across multiple Distribution Centers (DC). Separate DC views were manually extracted into Excel each morning. During a crisis like flooding, this hindered visibility of bottlenecks occurring when re-assigning work from flooded DC's. Leading to stock piling up, delaying distribution to stores.

The solution

The various sets of data were consolidated to create a new table in the data mart. A Looker Studio dashboard was created from this data. This provided management with an aggregated overview with a highly detailed level of stock movement supporting agile decision-making. Users can now autonomously query the unified data set, eliminating the need for manual consolidation of different Excel exports.

The result

The process was reduced from 7 hours to mere seconds. Joining and aggregating data at meaningful levels provided impactful insights, enabling time-sensitive decision-making. During the Durban floods crisis, this view led to rerouting DC stock, increasing outflow capacity & store availability. This view is now utilized daily, supporting all DC's.

“The process has been significantly reduced from 7 hours to mere seconds. During a business crisis, rapid data compilation enabled timely and cost-saving decisions by the management team. The invaluable insights derived from this data view are now utilized daily by both management and operations.”

Sumé Swart, Business Intelligence Analyst, Pepstores



About PEP

PEP is a multinational retailer based in South Africa. Founded in 1965, operating in 11 countries.

Vertical/horizontal solution: Retail & Wholesale

Primary project location: South Africa



About Pepkor IT (Pty) Ltd

A division of Pepkor Holdings Limited, providing IT support, offering solutions and servicing 8 major retailers within Southern Africa and Africa.



Products

Google Cloud Platform