



# Data ingestion using power automate

Automotive accessories manufacturer

Partnered with the client to automate consolidation and homogenization of data from multiple sources (SharePoint, email attachments, local drives, etc.) into a central data repository

# Automotive accessories manufacturer needs to fuel the data ingestion process

## Picture this...

You're looking for an opportunity to homogenize and automate the consolidation of data to facilitate deeper, robust analysis and reporting given that data is currently spread across multiple legacy ERP systems as flat files, across manufacturing plants, with limited availability and accessibility for analysis.

## You turn to Accordion.

We partner with your team to automate consolidation and homogenization of the flat files from multiple sources (SharePoint, email attachments, local drives, etc.) into a central data repository, including:

- 1) Building Microsoft Power Automate flows to store any new attachment/data exports received through emails into a cloud storage location (SharePoint).
- 2) Creating automated data pipelines to ingest, integrate, and transform the data from SharePoint (and other data sources) into a central data repository through custom Python scripts daily.
- 3) Configuring e-mail alerts/notifications to monitor the overall ETL process.
- 4) Consolidating and harmonizing the data by pushing the data into SQL Server Analysis Services (SSAS) for data modelling purposes which feeds the dashboarding suite.

## Your value is enhanced.

You have automated data pipelines to reduce the man hours that go into collating the data manually. You have also improved the data quality significantly and ensured that the latest data for all plants is accessible to all key stakeholders for further analysis.

### KEY RESULT

- ~60 manhours reduced per month

### VALUE LEVERS PULLED

- Automated Data Ingestion

# Data Ingestion using Power Automate for an automotive accessories manufacturer

## Situation

- Client's operational data was spread across multiple legacy ERP systems as flat files, across manufacturing plants, with limited availability and accessibility for analysis. There was an opportunity to homogenize and automate the consolidation of data to facilitate deeper, robust analysis and reporting.
- Partnered with the client to automate consolidation and homogenization of the flat files from multiple sources (SharePoint, email attachments, local drives, etc.) into a central data repository.

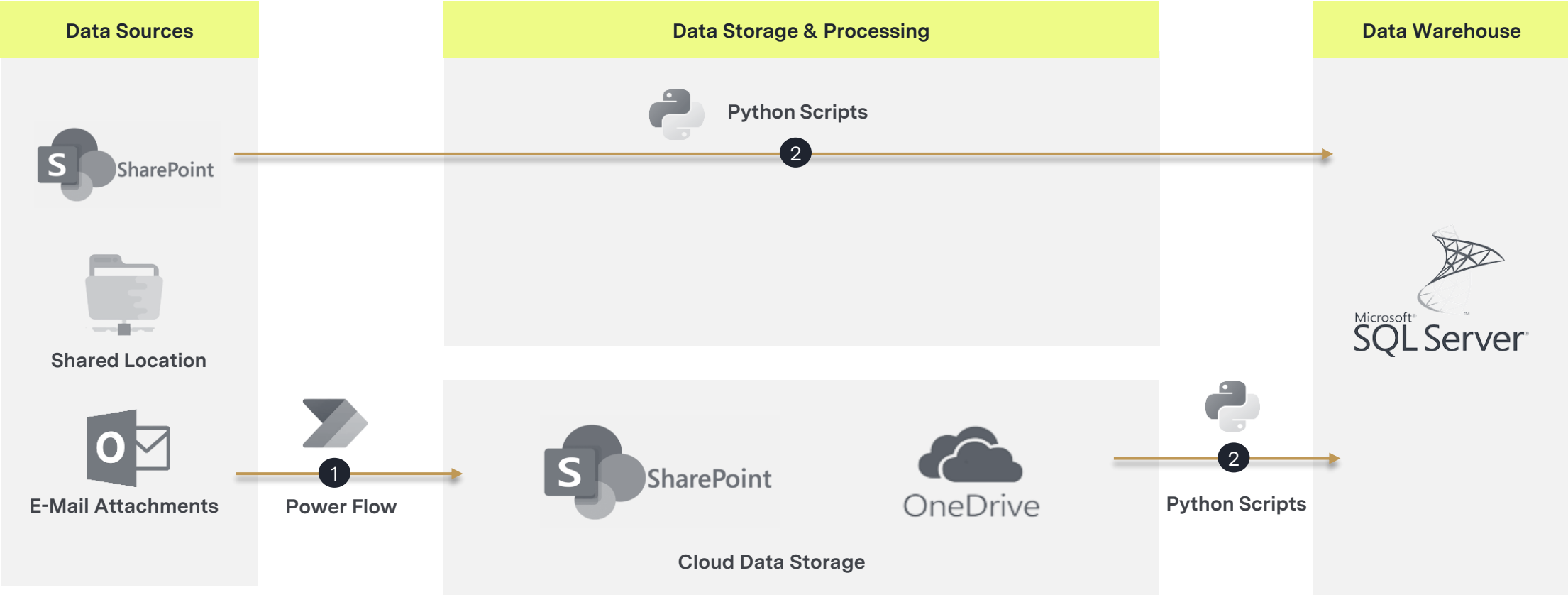
## Accordion Value Add

- Built Microsoft Power Automate Flows to store any new attachment/data exports received through emails into a cloud storage location (SharePoint).
- Created automated data pipelines to ingest, integrate, and transform the data from SharePoint (and other data sources) into a central data repository through custom Python scripts daily.
- Configured e-mail alerts/notifications to monitor the overall ETL process.
- Consolidated and harmonized the data, pushing the data into SQL Server Analysis Services (SSAS) for data modelling purposes which feeds the dashboarding suite.

## Impact

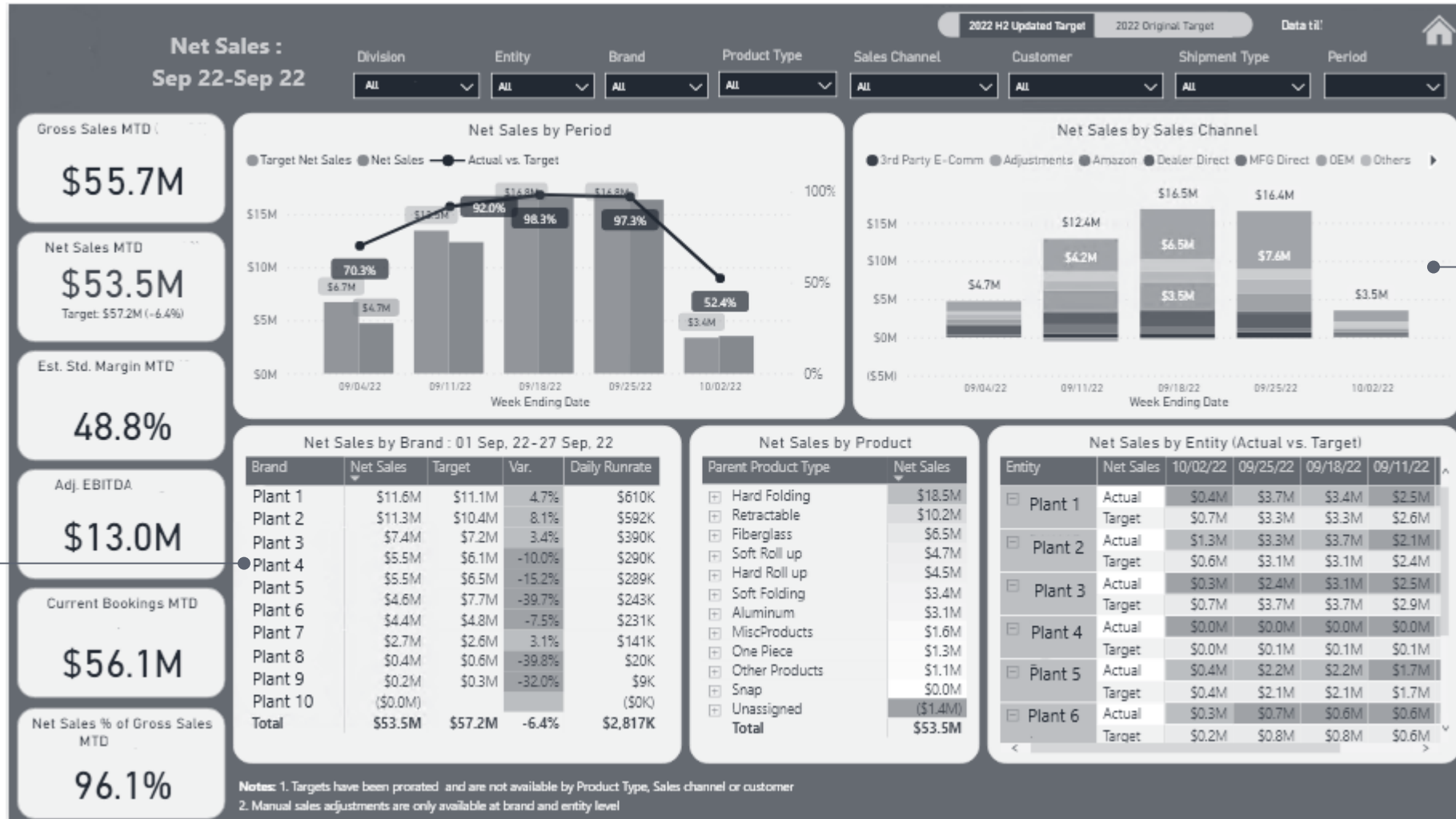
- Automated data pipelines helped the client to reduce the man hours that went into collating the data manually.
- Improved the data quality significantly and ensured that the latest data for all plants was accessible to all key stakeholders for further analysis.

# Methodology/ Approach



- 1 Built Microsoft Power Automate Flows to save any new attachment/data exports received through emails to a cloud storage location, such as SharePoint.
- 2 Collate and ingest data from a shared location, such as SharePoint. Shared folder to SQL server using Python libraries, such as Share Plum.

# Sales dashboard



Sales distribution by channels on a weekly basis

Sales by plant, product type, and product line benchmarked with budget numbers