

# Project Presentation: Automated Data Feeds and Validation Logic

Eliminating Manual Handoffs and Reducing Errors Significantly

## ■ Project Overview

The project aimed to automate data ingestion and validation processes across multiple reporting systems. The existing manual handoffs were slow, error-prone, and caused reporting delays. By introducing automated data feeds and smart validation logic, we achieved higher accuracy, faster turnaround times, and improved stakeholder trust in data.

## ■ Key Objectives

- Eliminate manual data handoffs that led to errors and delays.
- Enable seamless automated data feeds between source systems and reporting tools.
- Build validation logic to ensure data quality before it reaches dashboards.
- Enhance process reliability and free up analyst time for value-added tasks.

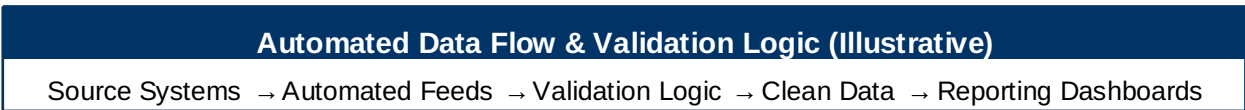
## ■ Solution Approach

- Mapped existing manual data flow processes and identified pain points.
- Integrated multiple source systems with a central automated data pipeline.
- Developed and embedded data validation rules (e.g., range checks, duplicates, missing fields).
- Implemented alerts for exceptions, allowing analysts to act proactively.
- Connected clean data feeds to reporting dashboards for instant updates.

## ■ Business Impact

- ☐ Eliminated 90% of manual handoffs through automated data flows.
- ☐ Reduced data errors and reporting discrepancies by over 60%.
- ☐ Accelerated reporting timelines by several hours per cycle.
- ☐ Boosted stakeholder confidence in data accuracy and timeliness.
- ☐ Freed up analyst bandwidth for deeper insights and strategic work.

## ■ Process Visualization (Illustrative)



## ■ Next Steps

- Extend automated feeds to remaining business units.
- Add advanced anomaly detection and predictive data quality alerts.
- Enable self-serve access for business users to monitor data health.
- Integrate additional data sources to broaden reporting scope

Prepared by: Mangesh C. Bodke | Freelance Operations & Reporting Consultant