Automated Data Processing & Consolidation

Excel-Based **Automation** for KPI Reporting

This solution automates the collection, cleaning, and consolidation of production data using Excel formulas, Power Query, and structured templates. It eliminates manual data handling, improves accuracy, and ensures KPI reports are updated in real time with minimal effort.

📄 **Raw Data → ⚙️ Power Query → 🧹 Clean Data → 📊 KPI Dashboard**

Challenges with Manual Reporting

- Manual data entry from multiple Excel files

- Repetitive copy-paste work across reports

- High risk of data mismatch and human error

- Time-consuming daily and monthly reporting

- Delayed availability of KPI reports for management

Manual reporting slows down decision-making and increases operational risk.

End-to-End Automation Flow

- Raw production data captured in structured Excel templates

- Power Query automatically cleans and validates the data

- Multiple data sources are consolidated into a master dataset

- KPI calculations update automatically

- Dashboard refreshes with a single click

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No manual copy-paste required at any stage.

Key Benefits of Automation

- Eliminates manual data handling

- Improves data accuracy and consistency

- Saves significant reporting time

- Ensures real-time KPI updates

- Scalable for multiple products, stages, or departments

Designed to support reliable, repeatable, and audit-friendly reporting workflows.