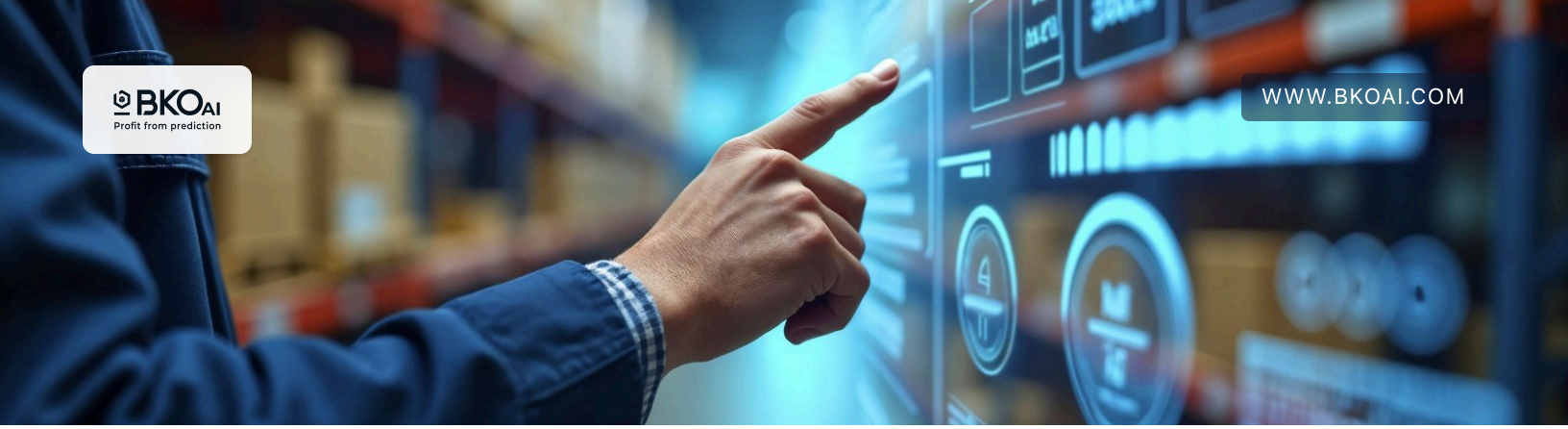


CUSTOMER CASE STUDY

Commercial Operations Automation

A fully automated data pipeline streamlined daily commercial operations, reducing manual work by over 90% and delivering real-time insights for faster, smarter decisions.

GOALS

- Automate daily commercial data infrastructure.
- Streamline manual commercial operations workflows.
- Improve data reliability across systems.
- Accelerate critical commercial decision-making.

CHALLENGES

- Manual consolidation of diverse data sources.
- High risk of data entry errors.
- Inconsistent timelines for operational reporting.
- Excessive staff hours spent on repetitive tasks.

SOLUTIONS

- Built Python-based ETL data pipelines.
- Centralized data in SQL Server environment.
- Integrated dynamic Excel Power Queries.
- Deployed Power Automate email extraction.

RESULTS

- Reduced daily data processing by 90%.
- Eliminated manual data extraction workloads.
- Provided near real-time operational data.
- Built scalable foundation for future analytics.

EXECUTIVE SUMMARY

A fully automated data pipeline streamlined daily commercial operations, reducing manual work by over 90% and delivering real-time insights for faster, smarter decisions. Python-based ETL pipelines automated data ingestion, SQL Server centralized the data, Excel Power Query enabled dynamic reporting, and Power Automate handled email extraction. The result was near real-time operational data, less manual effort, and a scalable foundation for future analytics.

Eliminating Manual Commercial Data Workflows

Daily commercial operations depended on manual consolidation of diverse data sources, creating high data-entry risk, inconsistent reporting timelines, and excessive staff effort on repetitive tasks.

Automating ETL and Reporting

BKOAI built Python-based ETL data pipelines, centralized data in a SQL Server environment, integrated dynamic Excel Power Queries, and deployed Power Automate for email extraction.

Faster Decisions and a Scalable Data Foundation

The automated workflow reduced daily data processing by 90%, eliminated manual extraction workloads, and provided near real-time operational data. The centralized architecture also created a scalable foundation for future analytics.

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