



 **DynaTech** | Systems

Accelerate Business

About DynaTech

Unified Purpose, Shared Journey

DynaTech Systems stands out as a comprehensive and flexible solution for businesses looking to leverage technology to drive growth and innovation.

As thought leaders in digital transformation, we deliver cutting-edge solutions and industry best practices. From consulting and proof of concept to end-to-end implementation and custom solutions, our expertise ensures your success.



150+

Projects



100+

Happy Clients



350+

Expert Minds

What Sets Us Apart

DynaTech's Competitive Advantage



Global Work Experience
(USA, Europe, Asia) for
seamless rollouts



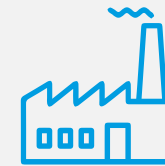
Successful Deployment
of 150+ Microsoft
Dynamics Projects



A single-stop shop for
all of Microsoft's
Business Applications



In-house QA Teams to
ensure Information and
Data Security



Empowering businesses in
Manufacturing, Retail,
Education, and more



Strategic Approach
Resulting in Quick
Turnaround & Solutioning

Microsoft Cloud Capabilities



Microsoft Azure



Azure Infra



Azure Services



Azure Fabric for BI



Logic Apps



Service Bus



Functions



Event Grid



API Management



Synapse Analytics



Data Lake



Data Factory



Load Testing



Microsoft Dynamics 365



Marketing



Sales



Finance



Supply Chain Management



Commerce



Customer Service



Field Service



Project Operations



Human Resources



Customer Insights



Finance & SCM



Copilot



Power Platform



Power Pages



Power BI



Power Apps



Power Automate



Copilot Studio

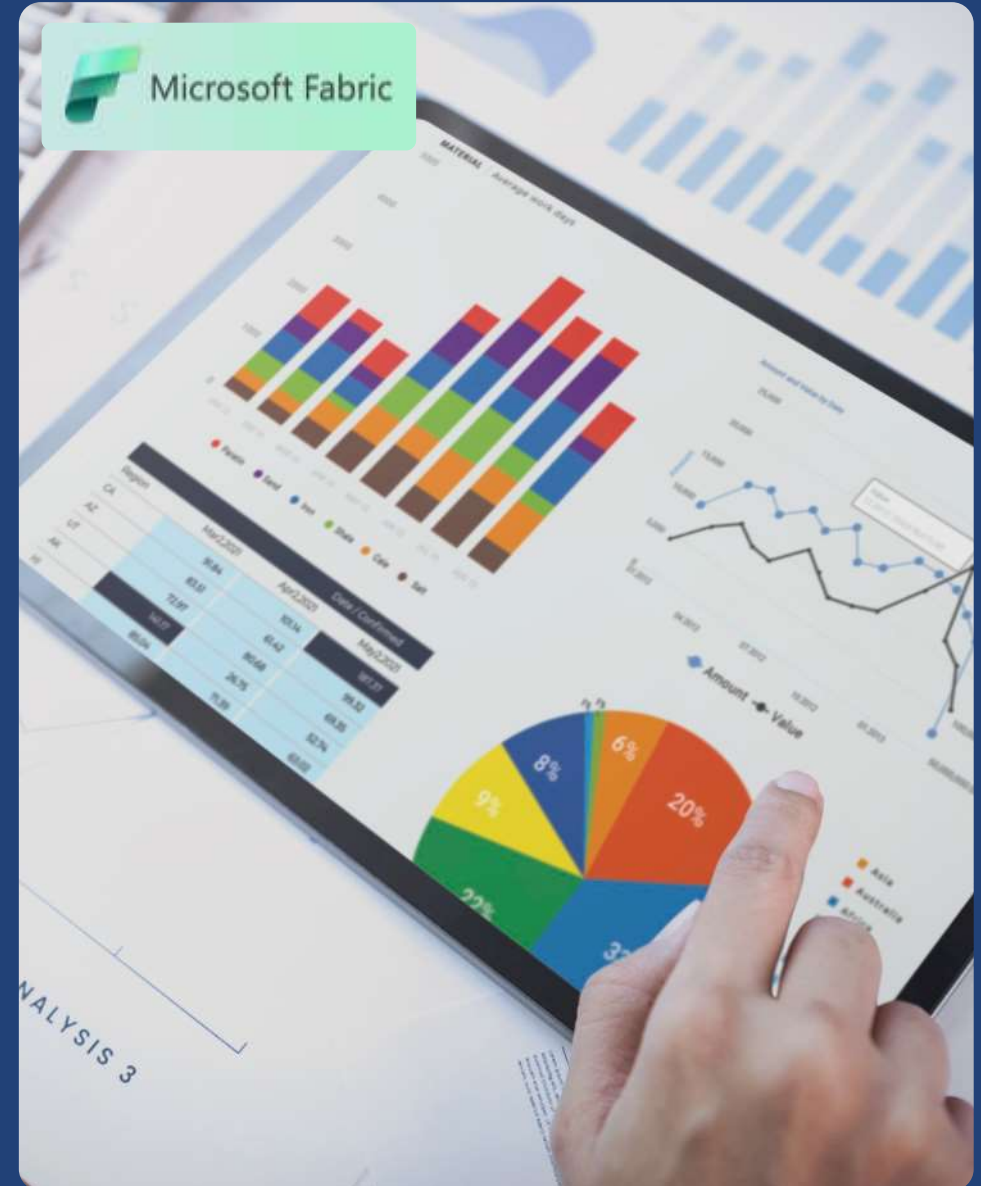


Dataverse



AI Builder

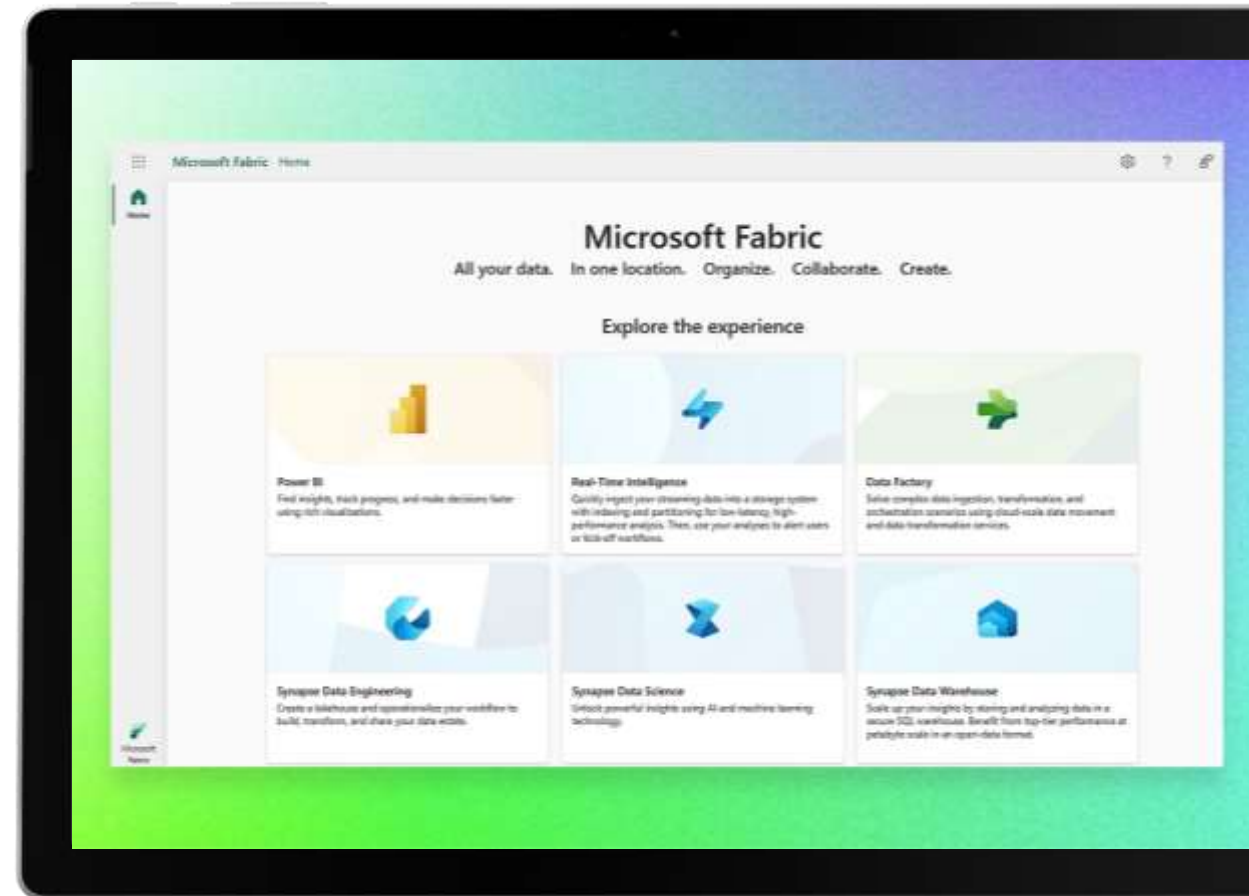
Microsoft Fabric Overview



Microsoft Fabric is a comprehensive data platform that encompasses data movement, processing, ingestion, transformation, and real-time event routing, offering a suite of services like Data Engineering, Data Factory, Data Science, and more.

Key Features

- › **SaaS Foundation:** Operating on a SaaS model, Microsoft Fabric simplifies analytics by integrating various components into a unified environment, tailored for distinct user roles.
- › **AI and Machine Learning:** With embedded AI capabilities, Microsoft Fabric streamlines the transition from data to insights, supporting predictive analytics and machine learning models.
- › **Security and Compliance:** Microsoft Fabric ensures robust security and compliance, with centralized governance and Purview-powered administration.
- › **Scalability and Reliability:** Designed for enterprise scalability and reliability, Microsoft Fabric supports a wide range of analytics workloads across industries.



Data Warehousing and Integration

Microsoft Fabric provides a unified data lake storage, simplifying SQL development and data integration across multiple sources.

Multi-Cloud Data Management

With OneLake, Microsoft Fabric offers a lake-centric, multi-cloud data management solution, reducing data duplication and simplifying governance.

Real-Time and Predictive Analytics

Leveraging real-time data streams and predictive models, Microsoft Fabric enables businesses to make proactive decisions.

Data Science and Machine Learning

Fabric not only provides a unified data stack, but it also spans across all workloads and personas that touch data.

Business Intelligence

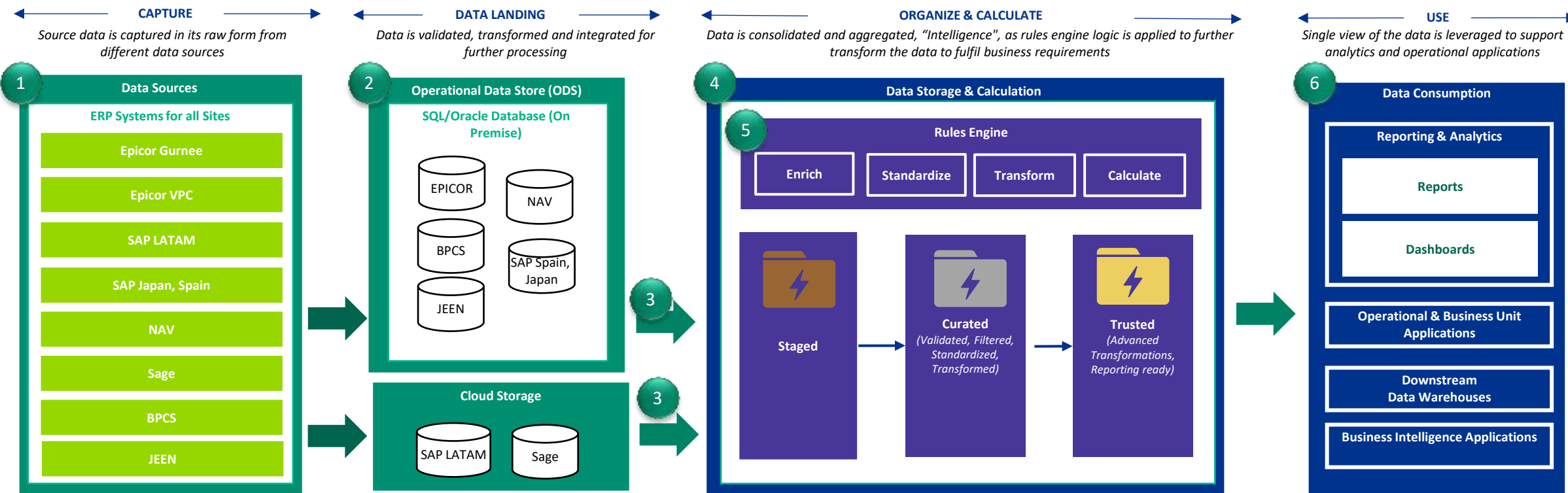
Through Power BI integration, Microsoft Fabric offers powerful reporting and visualization tools for business intelligence.

Reporting

The intelligence you uncover can then securely flow to the Microsoft 365 applications your teams use every day to improve decision making and drive impact.

AI-Driven Innovation

The integration with Azure AI facilitates the creation of generative AI solutions, enhancing digital transformation across organizations.



CAPTURE
Source data is captured in its raw form from different data sources

DATA LANDING
Data is validated, transformed and integrated for further processing

ORGANIZE & CALCULATE
Data is consolidated and aggregated, "Intelligence", as rules engine logic is applied to further transform the data to fulfil business requirements

USE
Single view of the data is leveraged to support analytics and operational applications

1 All ERPs mentioned as well as other structured or unstructured data sources could be the source data for BI analytics.

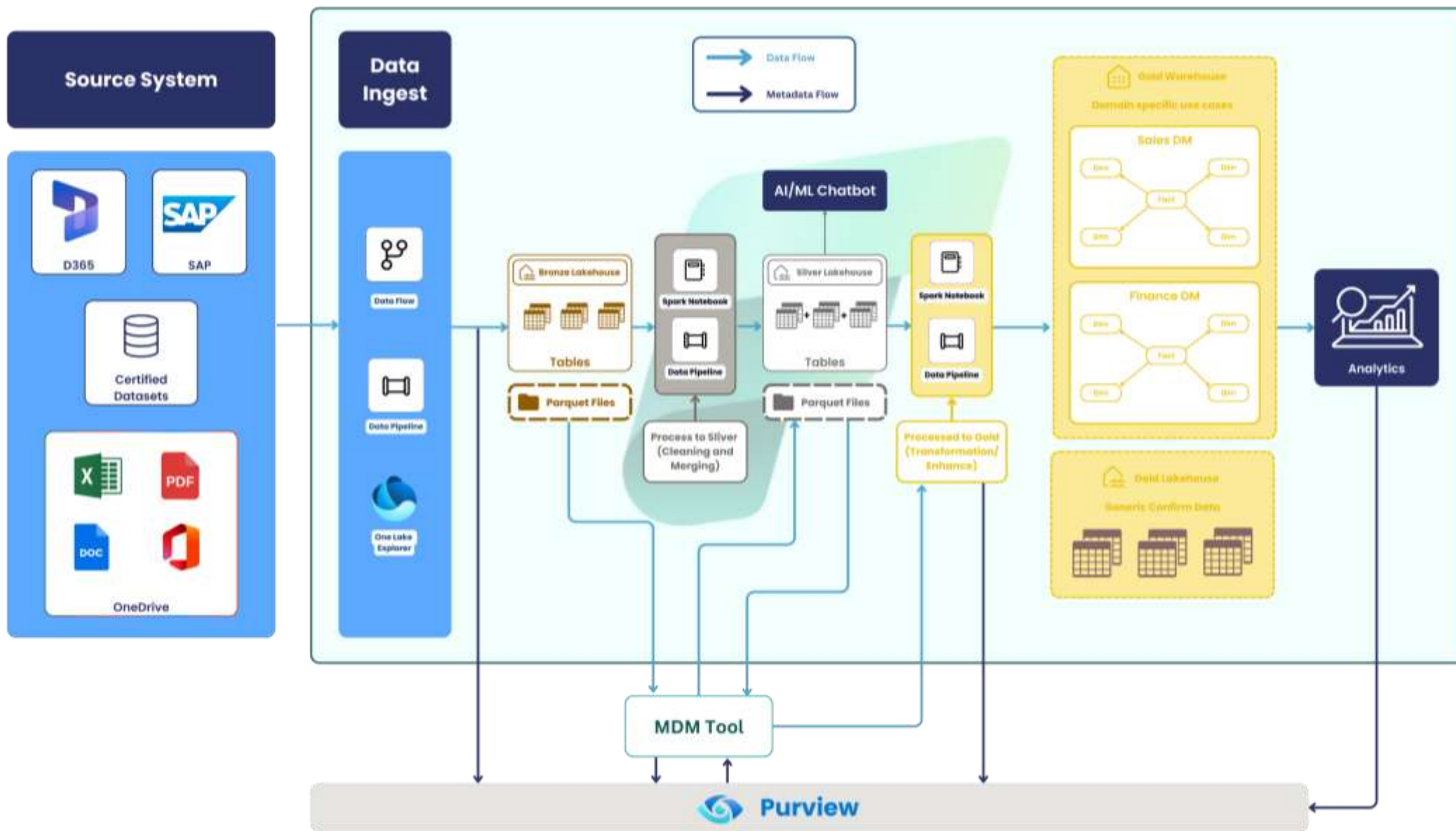
2 Initial data would be extracted as it-is from the either On-premise or Cloud based data sources.

3 Microsoft Fabric will be leveraged as the ETL/ELT tool.

4 Microsoft Fabric will be leveraged as the data Lakehouse, data warehouse and business rules engine.

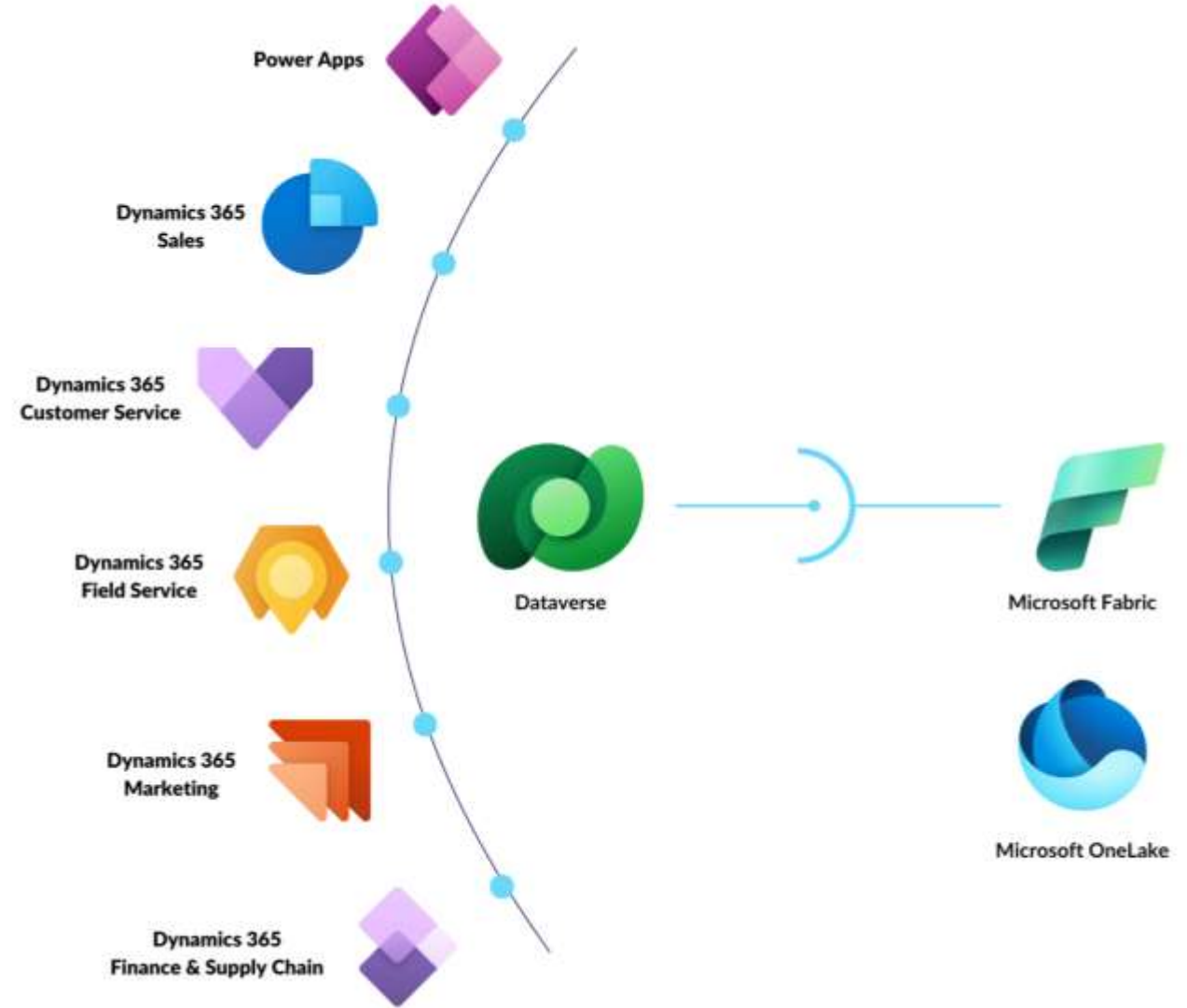
5 Based on customer's data and requirement Dynatech will be defining / standardizing / documenting the logic and data cleansing rules.

6 Dynatech team will coordinate with customer for the approved visualization design.



Power Platform & Microsoft Fabric

Dynamics & Dataverse data available in Microsoft Fabric immediately, no ETL, no data copy.



Interactive Storefronts

Retailers use Microsoft Fabric to create interactive storefronts that can handle large volumes of customer interactions and transactions in real-time.

Fraud Detection Systems

Companies leverage Microsoft Fabric's capabilities to analyze patterns and detect fraudulent activities in financial transactions.

Search Services

Microsoft Fabric powers complex search services that require rapid data indexing and retrieval across massive datasets.

Personal Record Management

Healthcare and government organizations use Microsoft Fabric for managing sensitive personal records with strict compliance and security requirements.

IoT Systems

It's used in Internet of Things (IoT) systems for managing device connectivity, data collection, and command execution.

Credit Card Processing

Microsoft Fabric supports credit card processing systems, ensuring secure and swift transaction handling.

Trading Systems

Financial institutions utilize Microsoft Fabric for high-frequency trading systems that demand low-latency and high-reliability.

World's Largest Specialty Nursing Organization

The largest specialty nursing organization in the world, representing the interests of more than 500,000 nurses who are charged with the responsibility of caring for acutely and critically ill patients.

Industry

Healthcare

Workforce

10,000+



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Use Case

- Implemented Enterprise Data management solution using Medallion Architecture in Microsoft Fabric.
- Developed solution on Microsoft Fabric to deliver Single source of truth for the business-critical data.
- Ingest initial data from the different 42 source systems (ex. On-premises SQL, Google Analytics, Web API, Social Media etc.) and push the Incremental/Full data load to the Bronze Lakehouse (row data) using the API, Data Pipeline and PySpark notebook.
- Prepared cleaned Data Lakehouse for the Data engineering and Data science teams.
- Prepared Data warehouse using star schema to enable Data analytics team and Key business users to analyze business data.
- Secured sensitive information, ensuring data governance and compliance.

Solution

- Microsoft Fabric serves as a one-stop solution for data backup by ingesting data from various sources into the Data Lakehouse.
- Delivered Master data management (MDM) solution.
- Cleaned and transformed data, processed via data pipelines and PySpark, supports data engineering and science teams for membership renewal rate and revenue forecasting.
- The Data Warehouse enables key business users and analytics teams to analyze data from multiple systems, including backups of Google Universal Analytics.

Applications (Data Source)

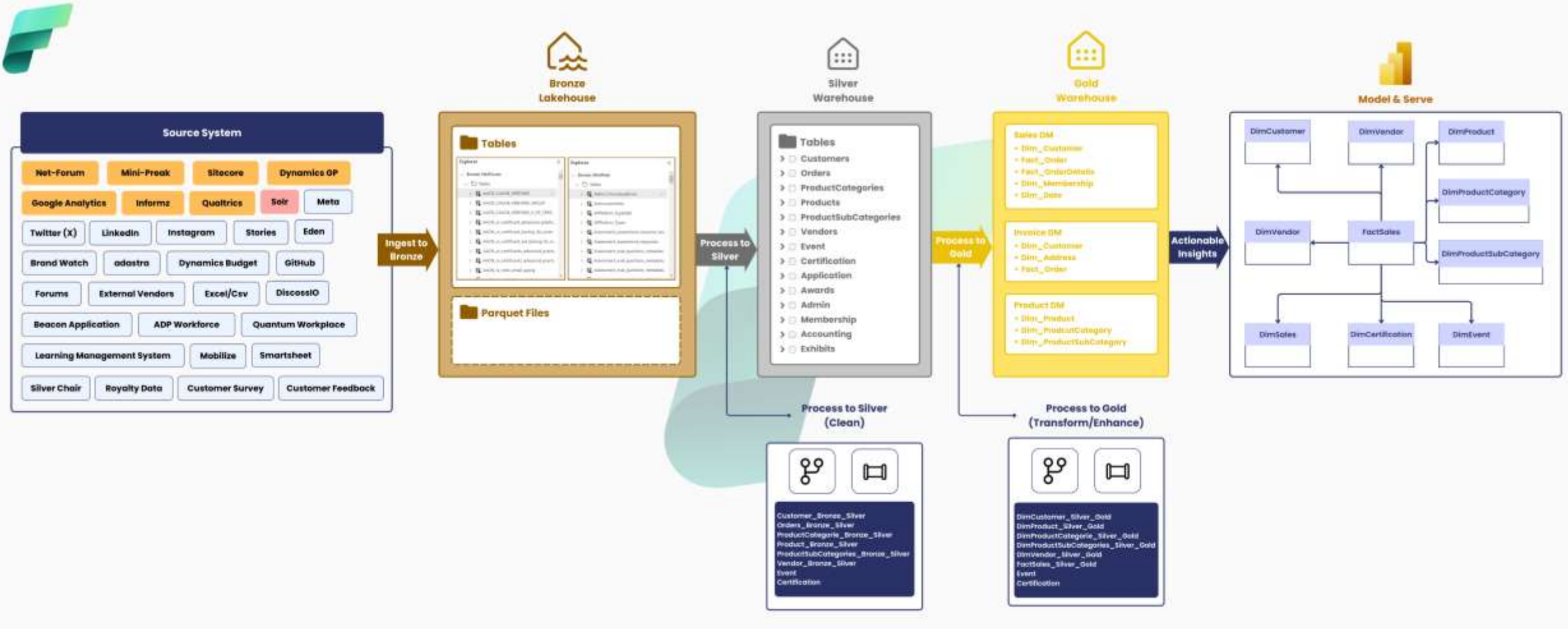
- Social Media Platform
- Google Analytics, NetForum, Sitecore
- Dynamics GP
- Various CMS
- Qualtrics
- Various custom applications

Tools

- Microsoft Fabric
- Microsoft SQL Server Integration Services
- Power BI
- Google big query
- Microsoft Purview
- CData Connector







A Chemical Manufacturing Leader

Global leader in providing naturally derived specialty ingredients and chemicals for various markets, including personal care, food, pharma, and consumer goods.

Industry

Chemical Manufacturing

Workforce

1000-1200



Use Case

- Implemented Medallion Architecture using Snowflake, ADF and Azure Services to analyze various business use cases like -
- Delivered Master data management (MDM) solution.
- Optimize on-time and in-full delivery performance of products.
- Monitor on-hand inventory quantities in real-time.
- Compare forecasted versus actual sales for accurate insights.
- Track open order status across customers, products, and regions.
- Analyze conversion rates of leads into sales opportunities.
- Evaluate efforts undertaken by product managers for strategic enhancements.

Applications (Data Source)

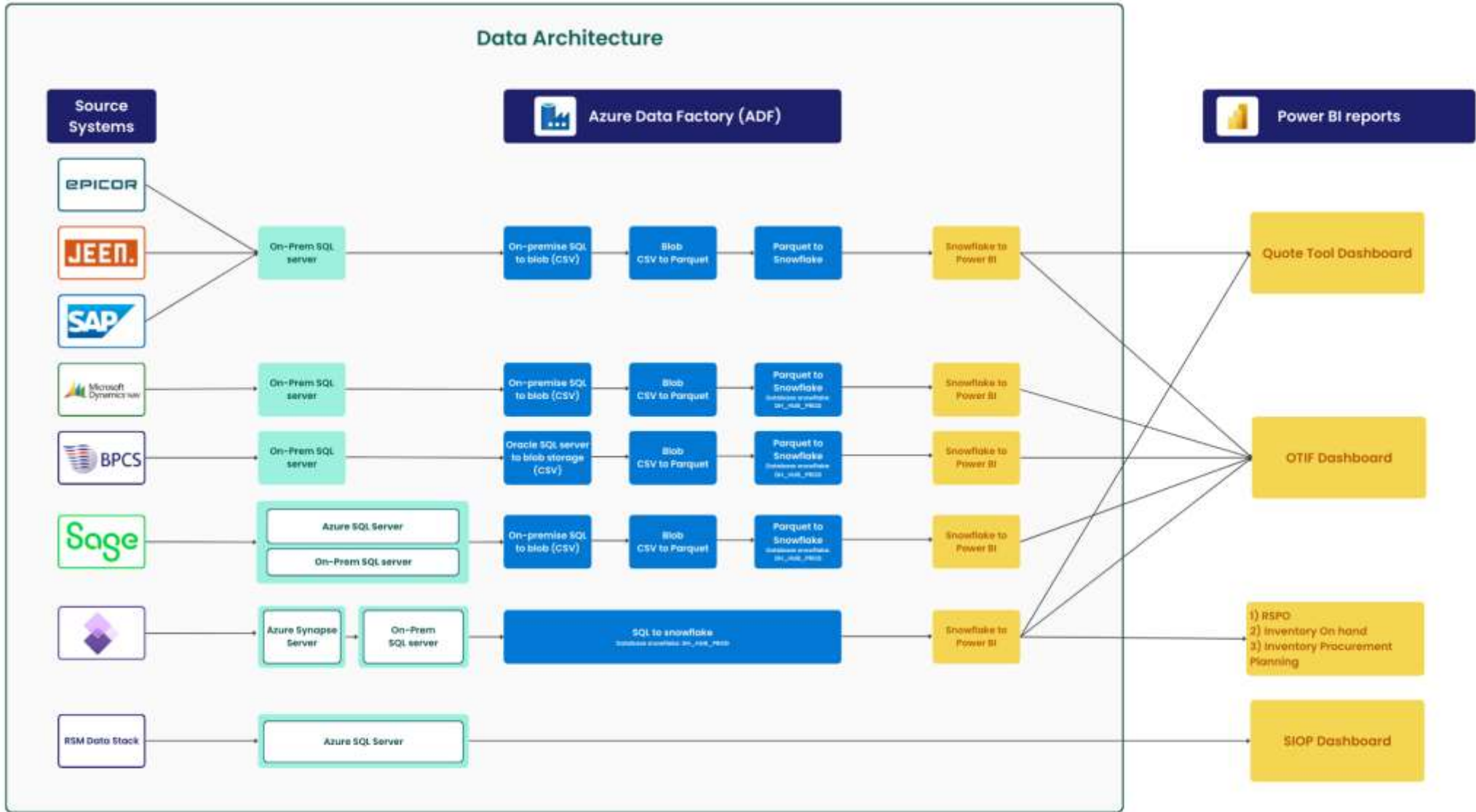
- Epicor
- Jeen
- SAP
- Microsoft Dynamics NAV
- BPCS
- Sage
- D365 Finance and Operations
- D365 Customer relationship management (CRM)

Tools

- Snowflake
- Power BI
- Excel
- Azure Stack (Azure Data Factory, Blob storage, Synapse workspace, DevOps, Logic Apps)
- Azure SQL Server







A Geosynthetic Manufacturer

A leading manufacturer of geosynthetic products, including geomembranes, geotextiles, and geogrids. Their products are used globally in sectors like mining, energy, waste management, and civil engineering to enhance environmental protection and infrastructure sustainability.

Industry

Manufacturing

Workforce

2000+



Impact

- Implemented views related to Inventory, Order Model, Opportunity and Quote, Sales Revenue, Global and Production Report, Accounting, Spread Report in Azure Synapse.
- Implemented Tableau Reports.
- Deployed Azure Pipelines to improve Data Loading in Reports.
- Implemented Fact Sales, Fact Open Order, Fact Inventory, dim Vendor, Dim Customer, Dim Product in DBT Models.
- Implemented views related to Reports in Spark Notebook.
- Secured sensitive information, ensuring data governance and compliance.

Dashboards Delivered

- Opportunity and Quote report
- Actual Production cost
- Revenue Analysis
- Inventory Aging
- Purchase Aging Inquiry
- Global Daily Sales
- Collection Report

Applications (Data Source)

- SAP
- Dynamics 365 Finance and Operation
- Dataverse

Tools

- BYOD
- Azure Synapse
- Power Apps & Power BI
- Azure Spark
- Tableau
- DBT
- Snowflake





A Prominent Player in the Food and Beverage Industry

Founded in 1944, a prominent player in the food and beverage industry, specializing in premium ice creams, pizzas, sandwiches, and desserts, has a rich legacy and continues to innovate in the culinary space.

Industry

Food and Beverage

Workforce

500-1000



Impact

- Implemented Sales Dashboards to monitor sales performance for the Sales managers & Team leads.
- Secondary Sales Dashboards for the Distributor sales performance review and Real time monitoring Dashboard for the Cold storage facility.
- ETL on data from Dynamics 365 finance and operation and Secondary Sales custom application to provide analytical comparison and data mart for Sales department key users.
- IOT enabled devices integrated using Azure IOT hub and Fabric Real-Time Intelligence to provide real time notifications on threshold temperature and open-door status to Production manager over the WhatsApp.

Dashboards Delivered

- Sales Performance Dashboards
- Secondary Sales Dashboards
- Sales Vs Secondary Sales Dashboards
- Cold Storage Monitoring Dashboards
- Production Varennes
- Production Volume Analysis
- Machine Output Dashboard
- Cold Storage Dashboard

Applications (Data Source)

- Custom Secondary Sales application
- D365 Finance and Operations

Tools

- Microsoft Fabric Data Lakehouse & Warehouse
- Microsoft Fabric Real-Time Intelligence
- Azure IOT Hub
- Meta WhatsApp API, Microsoft Teams
- Power BI





A Global Real Estate Services Provider

A global real estate services provider listed on the London Stock Exchange. With a rich history and a strong presence worldwide, Savills offers a broad range of specialist advisory, management, and transactional services.

Industry

Real Estate

Workforce

40000+



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Impact

- Implemented Finance, Accounts Payable & Accounts Receivable dashboards.
- Provided configurable solution for the Finance department, which enables them to configure chart of accounts and finance report head setup from the D365 finance and operation application user interface.
- By provided solution, Finance team were enabled to reflect changes in reports without further involvement of IT and BI team.
- Dashboards are embedded into Dynamics 365 finance and operation to provide unified user experience.

Dashboards Delivered

- Accountant Overview
- Assistant Dashboard
- Branch Leader Dashboard
- Business Line Leader Dashboard
- Financial Overview Dashboards
- MD Dashboard
- Team leader Dashboard
- Broker Revenue Overview
- Revenue type summary
- Open invoices per Department – Creditors
- Open invoices per Department – Debtors
- Balance List Detail & Summary
- P&L Movement Report

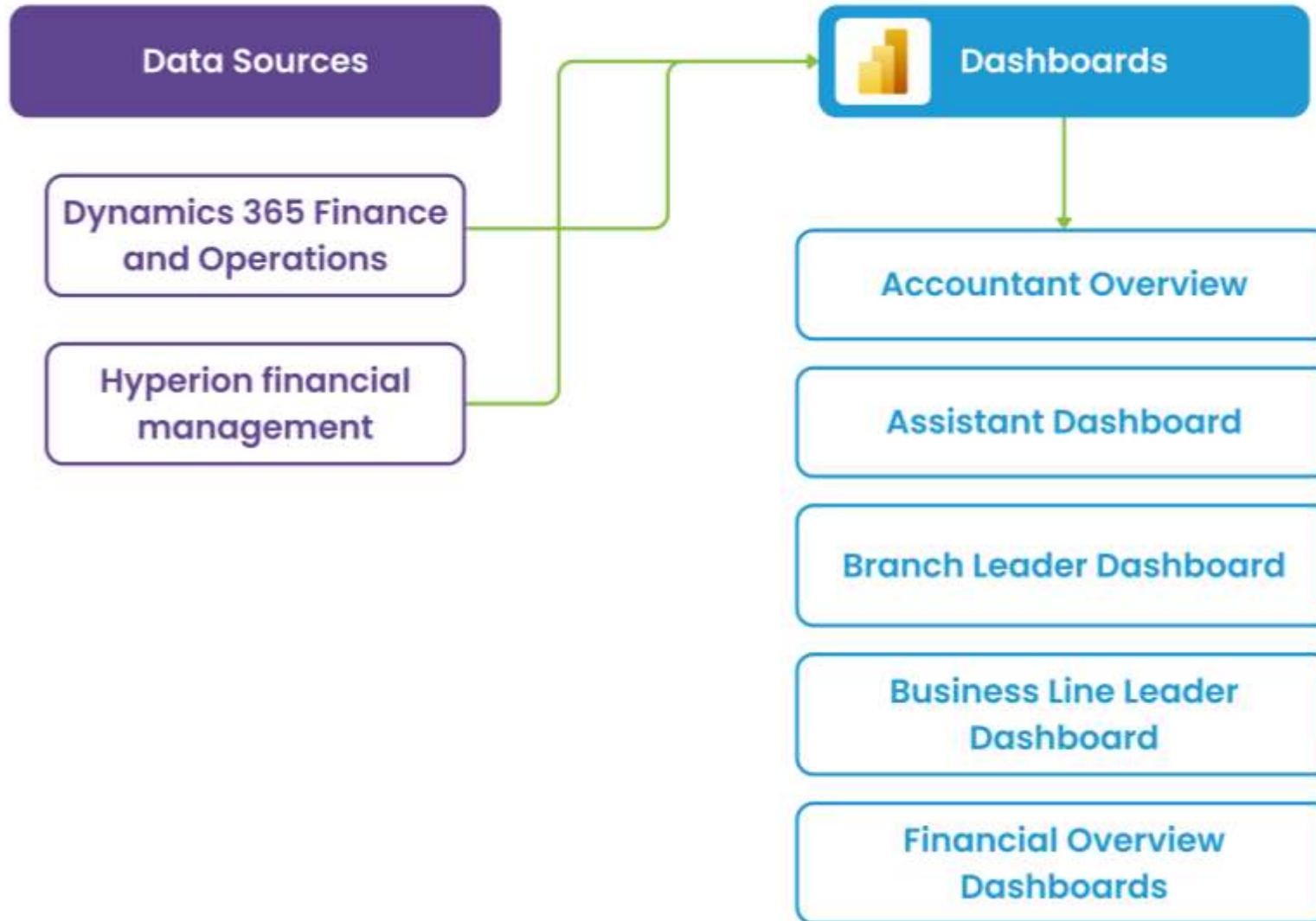
Applications (Data Source)

- Dynamics 365 Finance and Operations
- Hyperion financial management

Tools

- Power BI
- Dynamics 365 Embedded Power BI
- Fabric





Construction & Infrastructure Experts

Founded in 1959, this leading business house in the Arabian Gulf specializes in construction equipment, energy, transportation, and materials handling. They are the trusted Cat® dealer in the Middle East.

Industry

Machinery Heavy Equipment

Workforce

2500+



Impact

- Prepared Data marts for the Sales, Purchase and Inventory modules to be used by Business analytics & key business stack holders' team.
- Daily Sales report send over the team's chat as per team's hierarchy.

Dashboards Delivered

- Daily Sales Report
- Human Resources hire analysis
- Purchase invoice analysis
- Sales Invoice Analysis
- Showroom wise sales trend for different time periods
- Inventory analysis
- Accounts Receivable & Accounts Payable

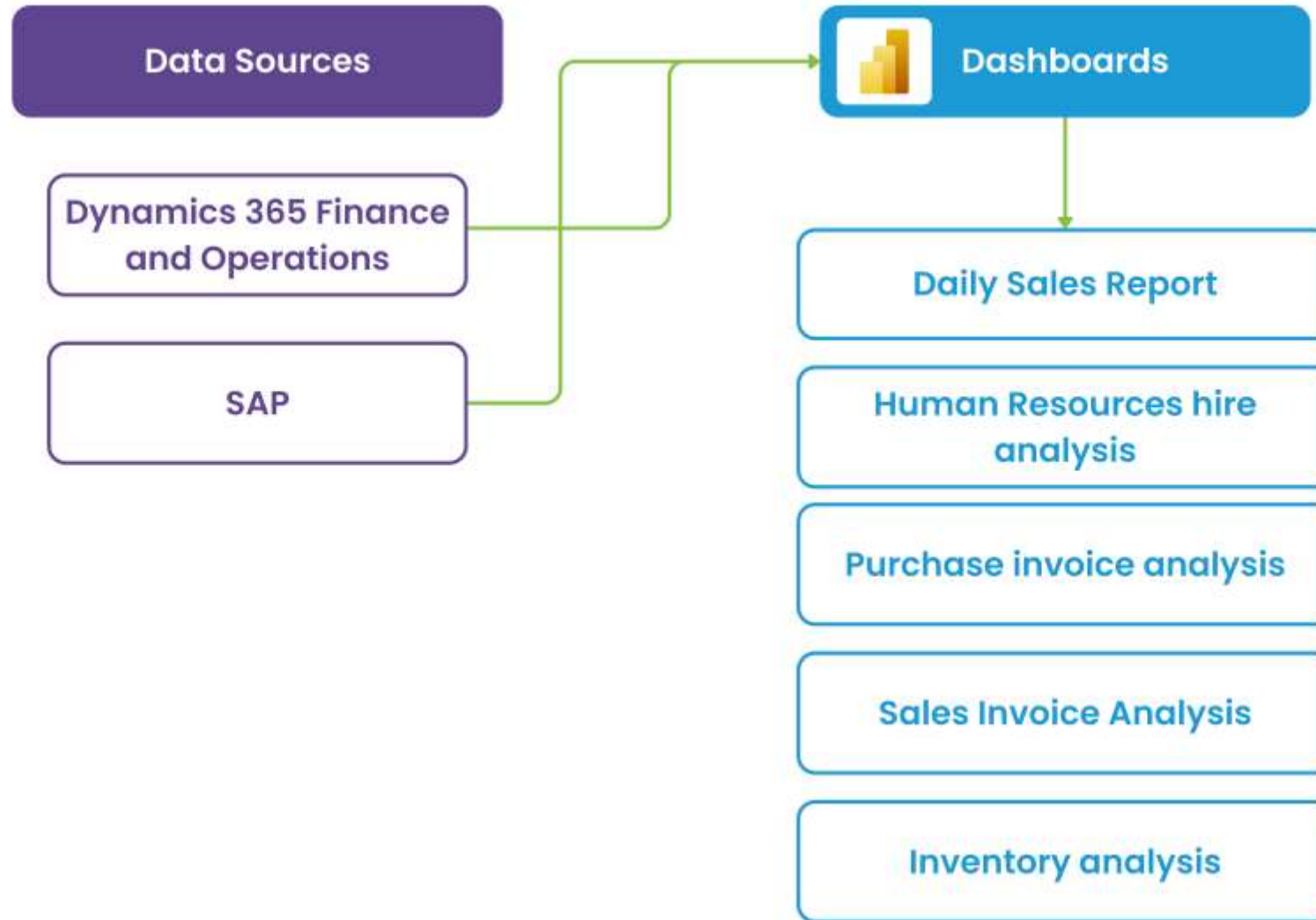
Applications (Data Source)

- Dynamics 365 Finance and Operations
- SAP

Tools

- Azure Data Factory
- Power BI
- BYOD
- Azure Synapse





A Provider of Electrical Equipment and Project Solutions

Founded in 1955, a provider of electrical equipment and project solutions. They offer a wide range of products including cables, wires, lighting fixtures, industrial plugs, sockets, and circuit breakers. The company is based in Jeddah, Saudi Arabia.

Industry

Electrical Equipment

Workforce

1700+



Impact

- Enabled detailed sales and revenue tracking for better strategic planning.
- Improved invoice accuracy and collection reporting, enhancing financial operations.
- Secured sensitive information, ensuring data governance and compliance.
- Provided stakeholders with personalized, actionable insights for informed decision-making.

Dashboards Delivered

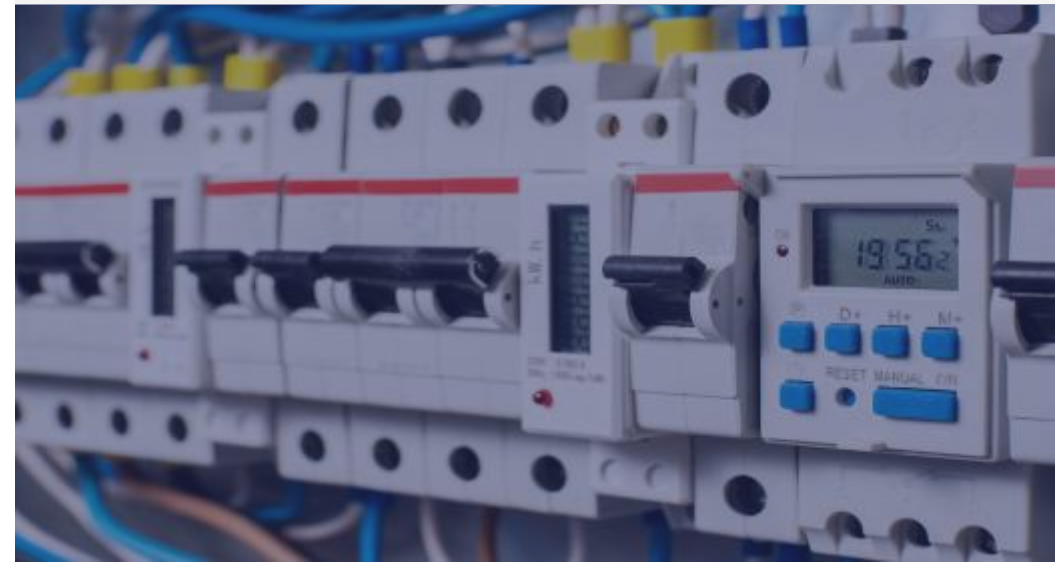
- Sales Invoice
- Item Analysis
- Open Sales Order
- Opportunity-quote
- Collection Reports

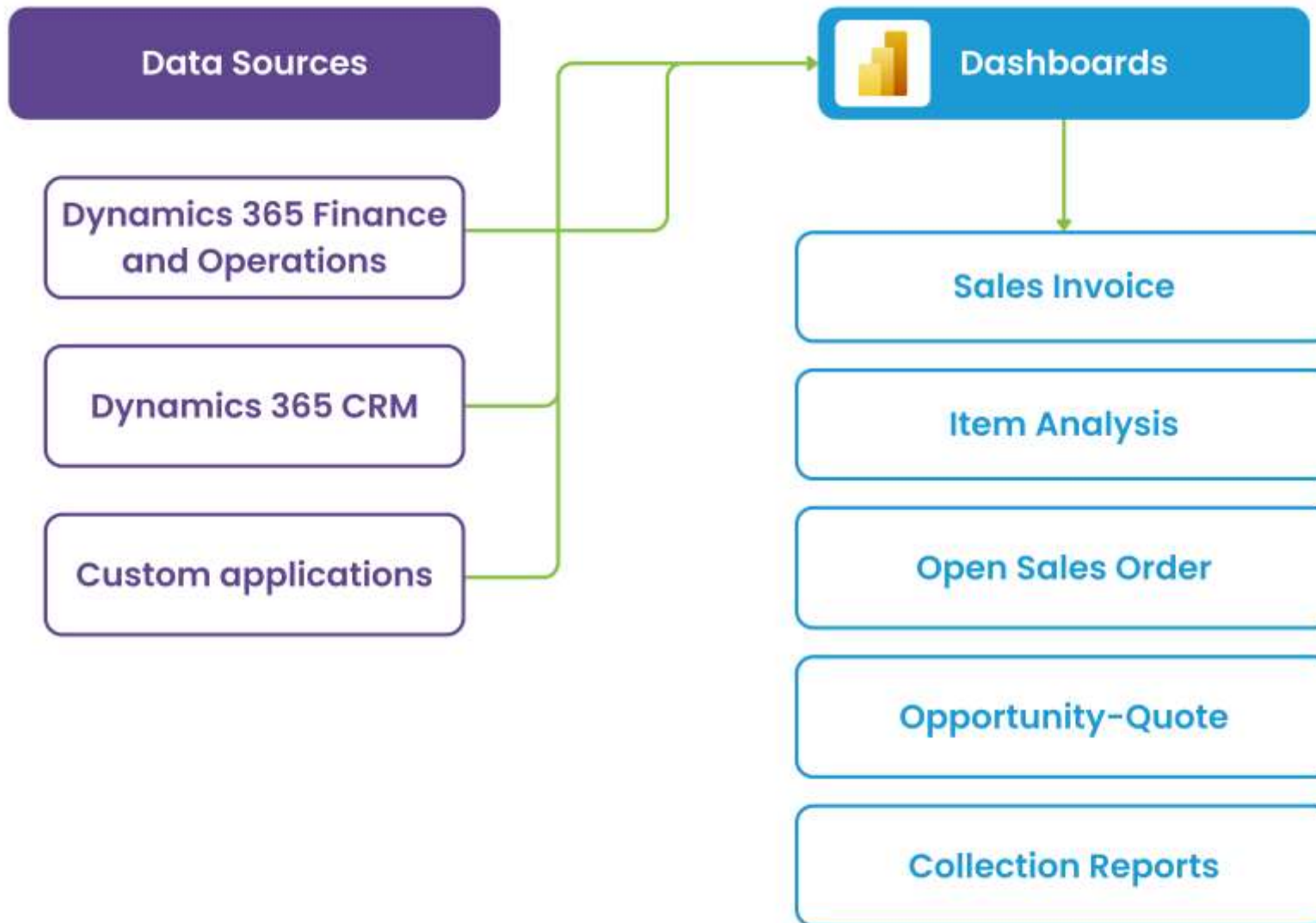
Applications (Data Source)

- Dynamics 365 Finance and Operations
- Dynamics 365 CRM
- Custom Applications

Tools

- Microsoft Fabric
- Power BI
- Microsoft Purview





A Leading Manufacturer of Electrical Products

Established in 2008, is a leading manufacturer of a wide range of electrical products. They specialize in high, medium, and low voltage cables, building wires, wiring devices, and cable management systems. The company serves both local and international markets.

Industry

Electrical Products

Workforce

1000+



DynaTech | Systems

Impact

- Improved Production efficiency by defining Scrap % goal KPIs and taking corrective actions based on real time data analytics.
- Improved Production efficiency by defining Production machine maintenance using Real-Time analytics.
- By analysing historical data improved production resources planning.

Dashboards Delivered

- Production Daily Metrics
- Quality Test Statistics
- Quality and Scrap Reason Codes
- Plant Machine Status

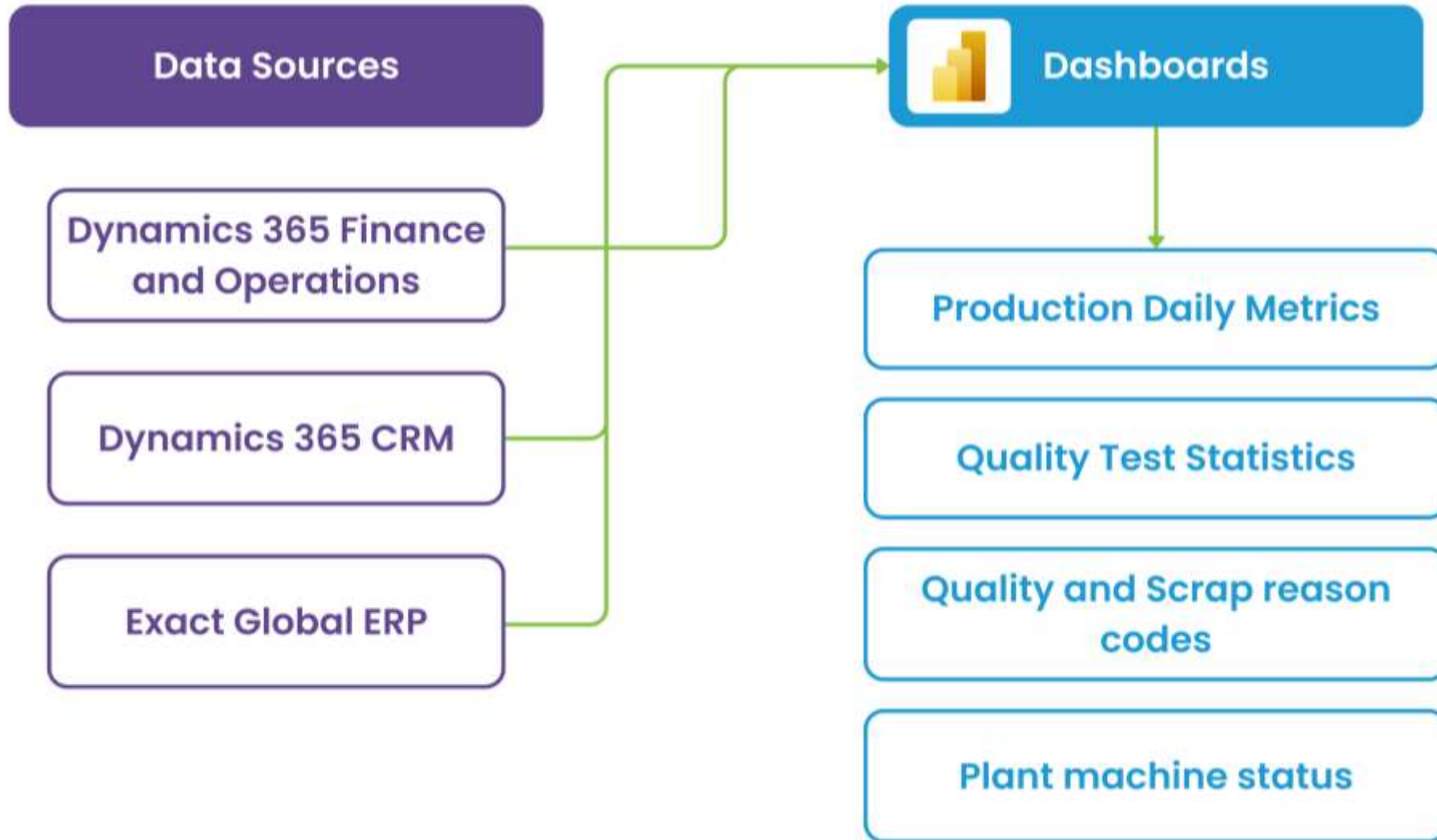
Applications (Data Source)

- Dynamics 365 Finance and Operations
- Dynamics 365 CRM
- Exact global ERP

Tools

- Exact ERP
- Power BI
- Azure Synapse
- Microsoft Fabric Real-Time analytics.





Want to know more?

Contact Us!

DynaTech Systems has proudly served clients seeking advanced tech solutions across the globe with top-notch precision and excellence.



Locations

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