

# Information Technology of Egypt Corporation (ITE Corp.)

## Data Services Portfolio





# DATA SOLUTIONS OVERVIEW

- Data management and analytics with Microsoft technologies.
- Collect, integrate, and analyze data across multiple platforms.
- Ensure governance, security, and high performance end-to-end.
- Drive actionable insights and accelerate digital transformation.





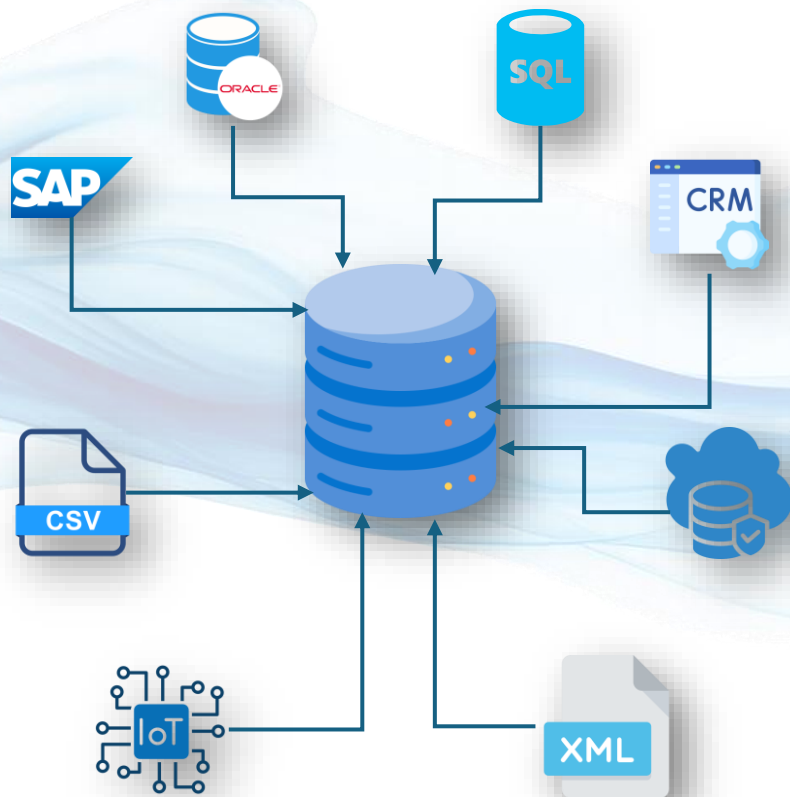


## Key Features

Unlock real-time insights, streamline operations, and drive innovation with a unified, intelligent data platform



# DATA INGESTION & INTEGRATION

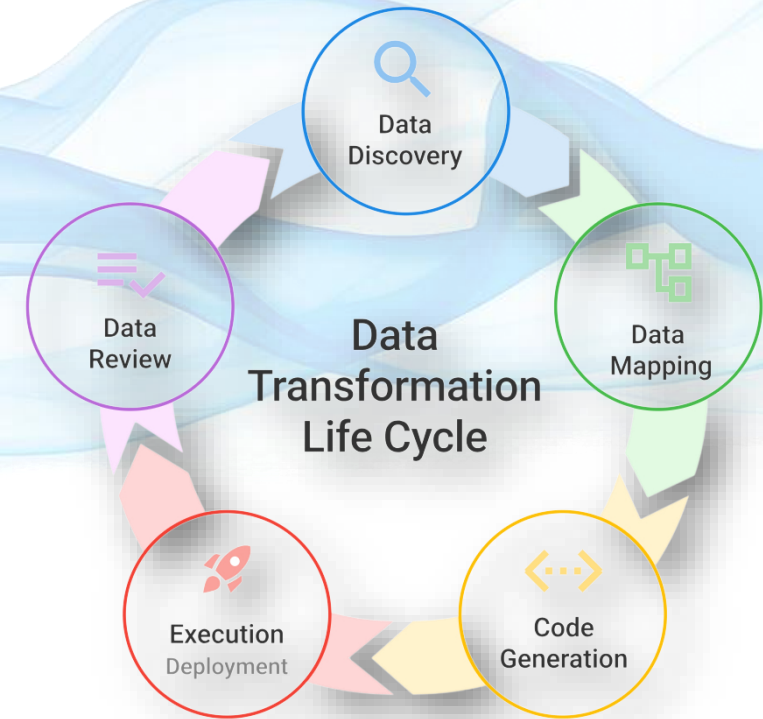


- Connect and unify data from multiple sources.
- Enable hybrid sync with Azure Data Gateway and real-time CDC.
- Build a unified Data Lake for consistent reporting and analytics.



# DATA TRANSFORMATION & PROCESSING

- Standardize and clean raw data with automated workflows.
- Apply business logic, validation rules, and track data lineage.
- Use SSIS, Synapse, or Fabric Dataflows for preparation and enrichment.







# DATA MODELING & STORAGE



## Physical Model

Describes the DR implementation of the data model



## Logical Model

Defines the data structure and how it is logically interconnected



## Conceptual Model

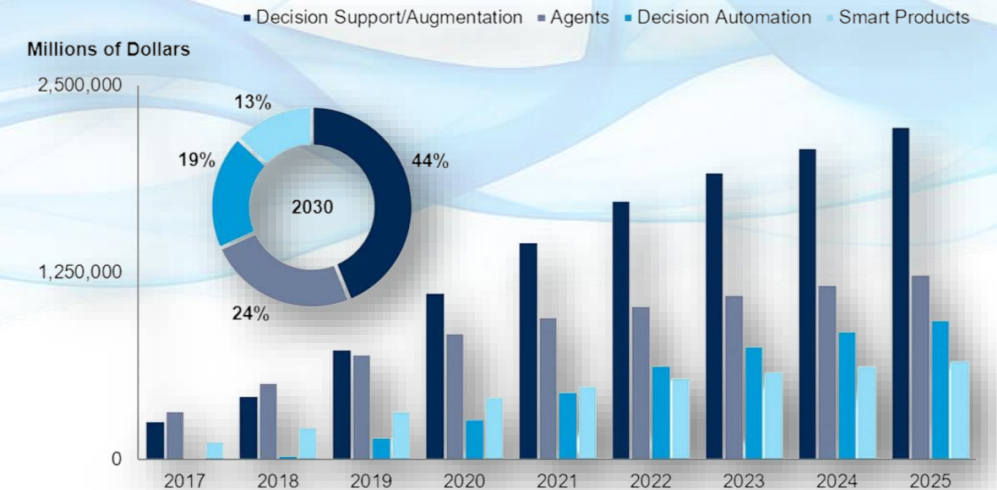
Identifies business concepts

- Deploy Data Warehouse or Fabric Lakehouse for structured and unstructured data.
- Design Dimensional Models & Data Marts
- Optimize Performance (Indexing, Partitioning, Compression)



# DATA ANALYTICS & VISUALIZATION

- Deliver interactive Power BI dashboards on-prem, cloud, or hybrid.
- Build semantic models for deep analytics.
- Enable AI-driven analytics with Power BI and Fabric Data Science.





# ADVANCED DATA INTELLIGENCE



- Integrate IoT data from factory floors, machines, or sensors.
- Enable predictive analytics with Azure ML or Fabric Data Science.
- Automate pipelines, scheduling, and alerting for proactive insights.





# BUSINESS VALUE

- Consolidate scattered data into one trusted source.
- Enable real-time decision-making across departments.
- Reduce delays and reporting cycles by 70%+.
- Improve forecasting, sales tracking, and efficiency.
- Strengthen compliance and data transparency.
- Lower costs with hybrid cloud optimization.





**THANK YOU**