

Accelerate Productivity & Creativity using Microsoft Fabric

Data, Analytics & AI Adoption in 6 Weeks

Digital Innovation Partner



4400+

Global Team Members

1500+

Projects Delivered

25+

IP Accelerators

170+

Clients (Long-term Relationships)



INDUSTRY CERTIFIED

ISO

9001:2015

ISO

27001:2013

ISO

27701:2019

CMMI

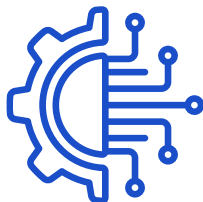
V2.0 Level 3

PCI DSS

Compliant

HIPAA

Compliant



Backed by Capital Square Partners, TA Associates, True North and CPPI



US-headquartered Tech Services firm with 100% focus on Innovation & Product Engineering

HOW WE WORK?

Data at Heart

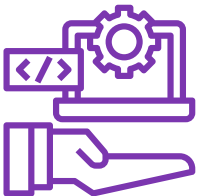
Accion Labs reimagines the possibilities for digital transformation from innovation to growth

Digital in Thinking

Scalability, manageability, robustness, and efficiency are always our top priorities

Innovation in Approach

Everything is planned to minute detail, ensuring high-quality deliveries to clients every time



Fastest Growing Tech Services Firm for 5 years in a row. Organic Growth & 9 Capability-centered acquisitions



Emerging Tech first approach - AI/GenAI Applications, investments in IP, Tooling and Innovation

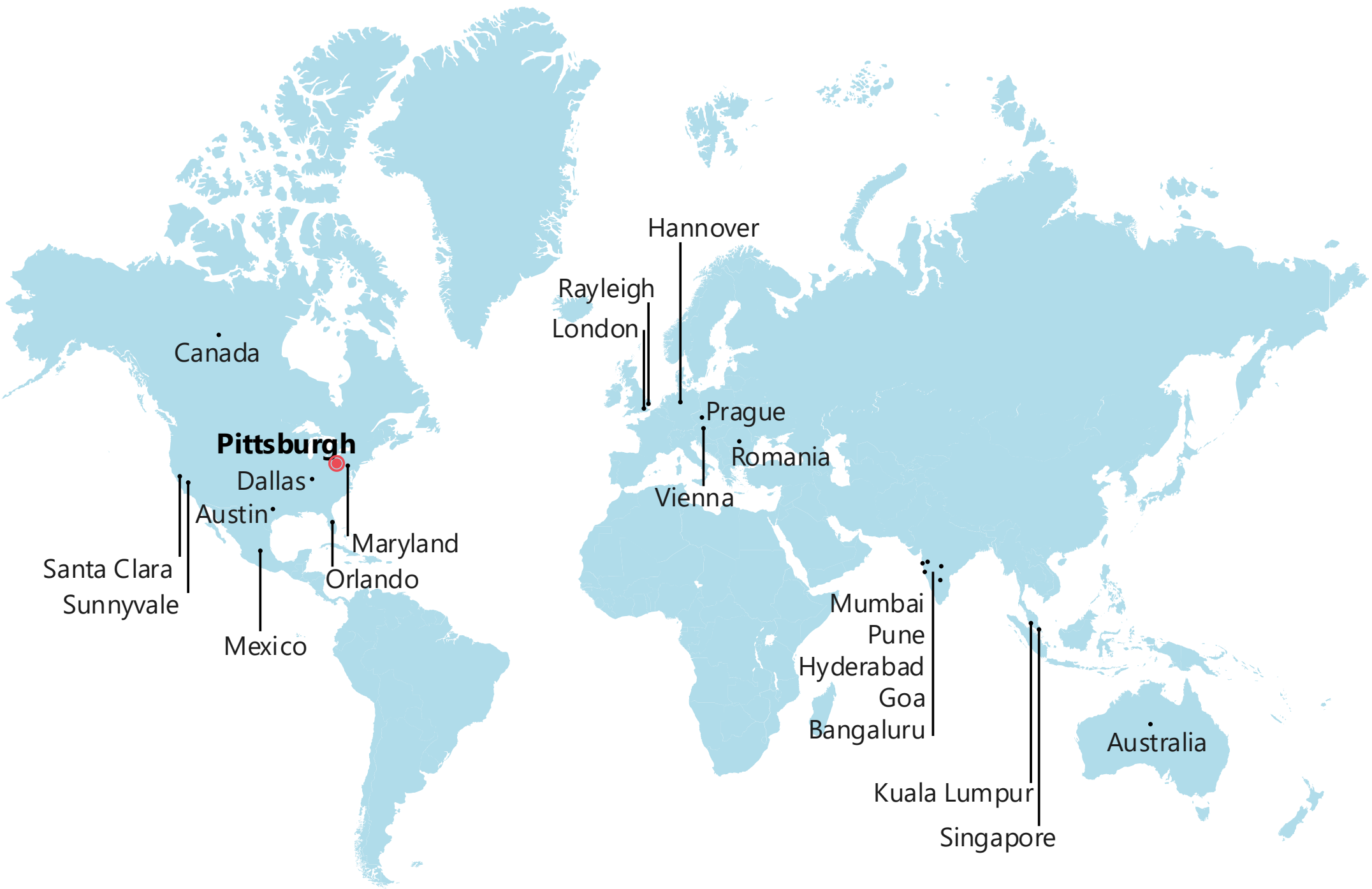


Culture of Outcome, Transparency, Work-life Balance, Innovation & Lifelong Learning



Hands-on Management with Entrepreneurial, Engaged and Value-based Leadership Style

Global Presence and Business Overview



4400+

Global Team Members

23+

Global Delivery Locations

34+

Proprietary IPs Developed

41+

Centers of Excellence Driving Innovation

50+

GenAI Implementation Delivered

Microsoft credentials and awards



Microsoft

Microsoft Partner

Winner

2023 Partner of the Year

Analytics Award



Microsoft

Solutions Partner

Data & AI

Digital & App Innovation

Infrastructure



Fabric Featured Partner





Microsoft Partner

Advanced Specialization

Analytics on Azure

Data Warehouse Migration to Azure

Kubernetes on Azure

Migrate Enterprise Applications to Azure

Infra and Database Migration to Azure

Amongst Top Microsoft Partners in USA



Microsoft Partner

- Gold Cloud Platform
- Gold Application Development
- Gold Data Analytics
- Gold Data Platform
- Silver Security



Power BI



AWARDS FINALIST

Microsoft Partner of the Year 2020

APPLICATION INNOVATION

Introduction to Microsoft Fabric

Microsoft Fabric is a cutting-edge data analytics platform that integrates various tools and services into a unified experience, streamlining data management and analysis across an organization. Transitioning to Microsoft Fabric offers several advantages that enhance efficiency, scalability, and collaboration.

Unified Data platform for Operations

- Fabric consolidates data from MES, sensors, PLCs, and factory applications into a single, structured model.
- Enables real-time monitoring and data-driven decision-making across production lines.

Faster Deployment and Scalability

- Prebuilt data ingestion plugins for leading manufacturing execution systems (MES) and IoT platforms.
- Accelerates digital transformation without requiring major infrastructure changes.

AI-powered Operational insights

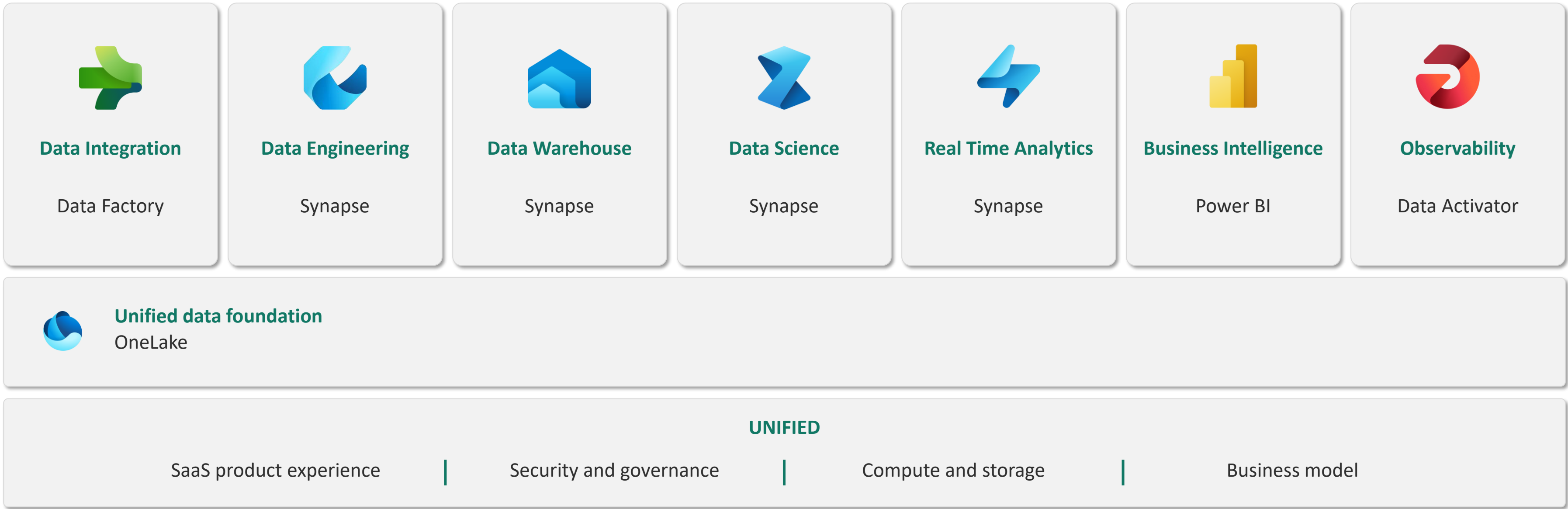
- Uses generative AI to assist with quality issue resolution, root cause analysis, and predictive maintenance.
- Helps manufacturers reduce downtime and optimize production efficiency

Improved Compliance & Cost Efficiency

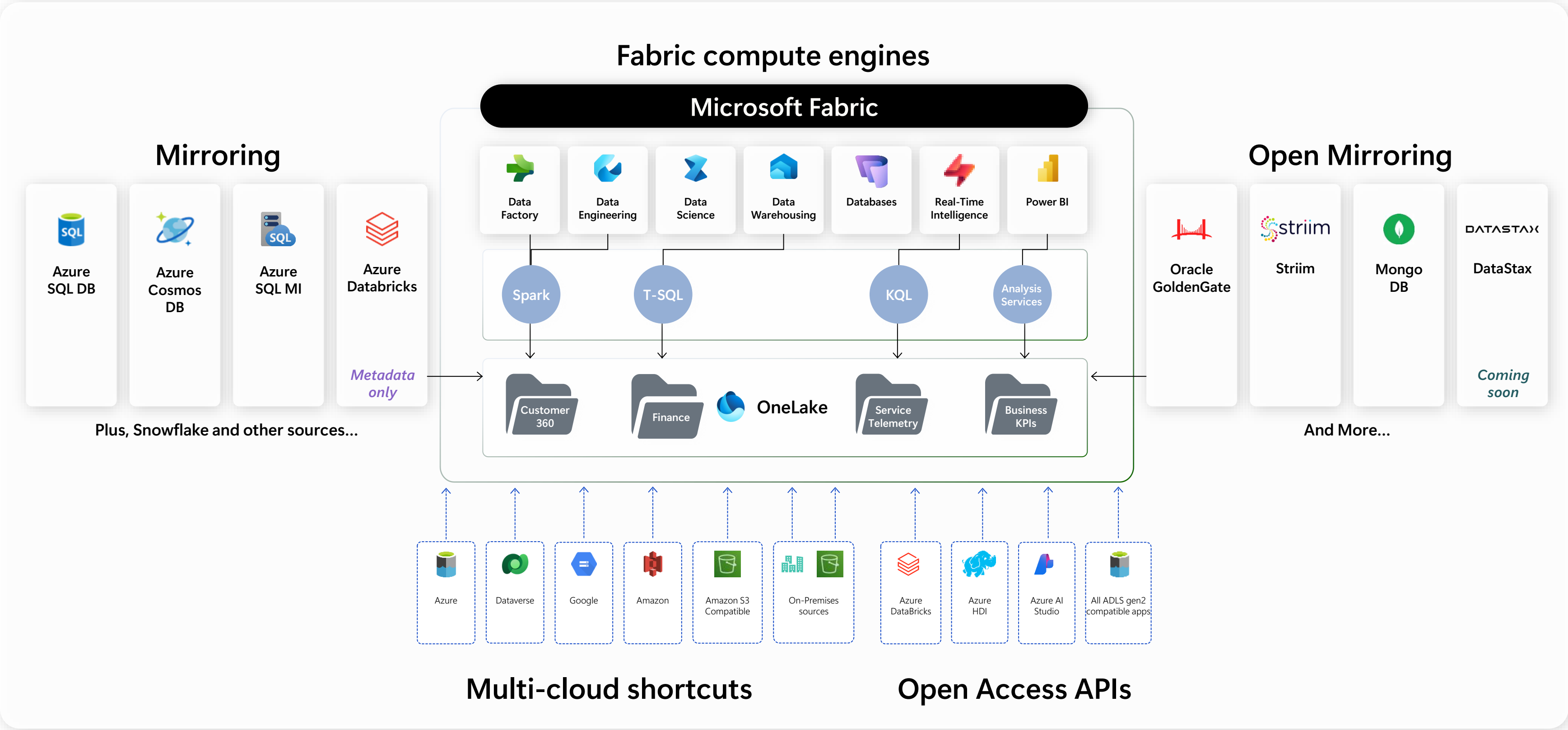
- Enhances regulatory compliance by providing structured data models for tracking environmental and safety standards.
- Reduces operational costs by optimizing resource allocation and energy consumption.

Unifying multiple Azure PaaS into Fabric SaaS

An end-to-end analytics platform that brings together all the data and analytics tools that organizations need to go from the data lake to the business user.



Bring in data from anywhere



Accion Labs' Capabilities

A series of overlapping, wavy, translucent purple lines that create a sense of motion and depth across the background of the slide.

Accion Labs: Your Trusted Partner in Microsoft Fabric Transformation



- **Early Adopter Advantage:** Accion Labs has been collaborating with customers since the early days of Microsoft Fabric, helping them unlock the full potential of a unified Data Lakehouse environment.
- **Deep Technical Expertise:** Our team brings hands-on experience across:
 - Microsoft Fabric
 - Dataflows & Data Factory Pipelines
 - Azure Purview for data governance
 - Power BI for interactive analytics
 - Azure Synapse Analytics for scalable data processing
 - Azure OpenAI for intelligent insights
- **Business Impact:** We empower organizations to:
 - Extract valuable insights from complex data
 - Detect patterns and trends using AI
 - Gain a comprehensive understanding of their data landscape
 - Accelerate their journey toward data-driven decision-making

Accion Labs helps customers fast-track their journey by focusing on high-impact scenarios:

- Lakehouse / Warehouse (OneLake):
Unified data storage and analytics foundation
- Fabric Data Factory:
Scalable data integration and orchestration
- Fabric Data Engineering:
Advanced data transformation and pipeline development
- Power BI:
Interactive dashboards and business intelligence
- Fabric Security & Governance:
Robust data governance with Azure Purview
- Data Science & AI:
Predictive analytics and intelligent insights using Azure OpenAI & Synapse

1

SCENARIO

Building OneLake

Deliver Data-as-a-Service effortlessly—without the need for internal development. OneLake acts as a unified, SaaS-based data lake, similar to “OneDrive for Data,” eliminating silos and enabling seamless data access across domains.

Scalable Data Processing and Analytics

Harness the power of Microsoft Fabric Notebooks to efficiently process and analyze large-scale datasets using the open-standard Parquet format, seamlessly integrated with OneLake. This approach enables organizations to uncover deep insights, identify patterns, and gain a comprehensive understanding of their data landscape.

2

SCENARIO

3

SCENARIO

Real-Time Data Streaming and Processing

Enable real-time data ingestion and analysis using Kusto, enhanced by Data Activator. Accion empowers organizations to monitor live data streams from diverse sources, detect anomalies instantly, and trigger automated actions. With built-in integration to Power BI, default indexing, and native support for structured, semi-structured, and unstructured data, this solution modernizes real-time insights across the enterprise.

Data Pipelines

Accion's Data Pipeline solution integrates the capabilities of Azure Data Factory and Power Query to enable seamless data integration across diverse applications and sources. With support for large-scale data transformation, a wide array of connectors, and multi-cloud connectivity, Accion builds optimized ETL and ELT pipelines that modernize data integration workflows—transforming the approach from “Get Data” to “Query, Prep, and Orchestrate.”

4

SCENARIO

5

SCENARIO

Advanced Analytics and Machine Learning

Unlock data-driven insights using Microsoft Fabric's integrated machine learning capabilities through Python Notebooks. With seamless integration into Azure Machine Learning, Accion enables organizations to conduct advanced data analysis, build predictive models, and generate accurate forecasts that drive smarter decision-making.

Secure and Compliant Data Processing

Accion tailors data security and compliance to meet industry-specific requirements by leveraging Microsoft Fabric's robust security framework. With built-in encryption, granular access controls, and seamless integration with Microsoft Entra and Azure Active Directory, sensitive data is protected to ensure adherence to regulatory standards.

6

SCENARIO

7

SCENARIO

Seamless Integration with Azure Ecosystem

As early adopters of cloud technologies, Accion enables organizations to fully leverage Microsoft Fabric through deep integration with the broader Azure ecosystem. This includes services such as Azure OpenAI, Azure Data Lake Storage, Azure SQL Database, and Azure Databricks—enhancing data analytics capabilities and unlocking greater value from enterprise data.

Flexible and Customizable Solutions

Accion recognizes that every organization has distinct data analytics requirements. By leveraging the adaptability of Microsoft Fabric, Accion designs tailored SaaS solutions that align precisely with each client's unique goals and operational needs.

8

SCENARIO

- **Discovery and Prototyping**
 - Finalize use case
 - Capture Requirements and Data Sources.
 - Define a detailed Pilot Plan for a select scenario.
 - Design and deliver data models.
- **Next steps discussions and recommendations**
 - Optimize performance of the implemented solution.
 - Gather feedback from stakeholders.
 - Demonstrate Pilot.
 - Provide recommendations for the next steps and potential full-scale implementation.

Week 1 & 2

Week 3 & 4

Week 5 & 6

Implementation

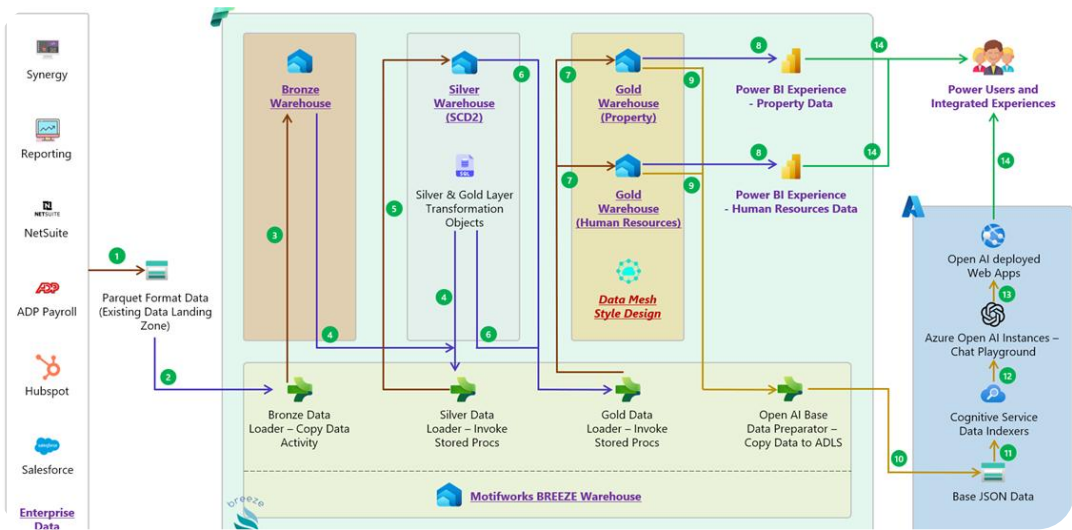
- Create ETL / ELT Data Pipelines to unify and transform data across Medallion Architecture Layers.
- Build a Semantic model.
- Develop Power BI Reports and optionally Dashboards.

Deliverables: Accion will deliver a comprehensive Microsoft Fabric Solution for selected use case in 6 weeks.

Case Studies

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Cloud-first Data Platform on Microsoft Fabric For Utility And Billing Experts



Goal

A modern data platform integrating Microsoft Fabric, Power BI, and machine learning to form a powerful, intelligent, end-to-end solution that supports enterprise needs for agility, innovation, and strategic growth.

Business Impact

Reduced

Financial Reporting Cycle

Accurate

Financial forecasting

Processes

- Dynamic data ingestion from ERP, NetSuite, Salesforce
- Data ingestion and processing in OneLake
- Fabric for MPP EDW
- Self service end user BI using Power BI Solutions
- Machine Learning algorithms for financial forecasting
- Data sharing with external parties

About the client



Industry: Finance



Location: USA



Count: 3300+ employees

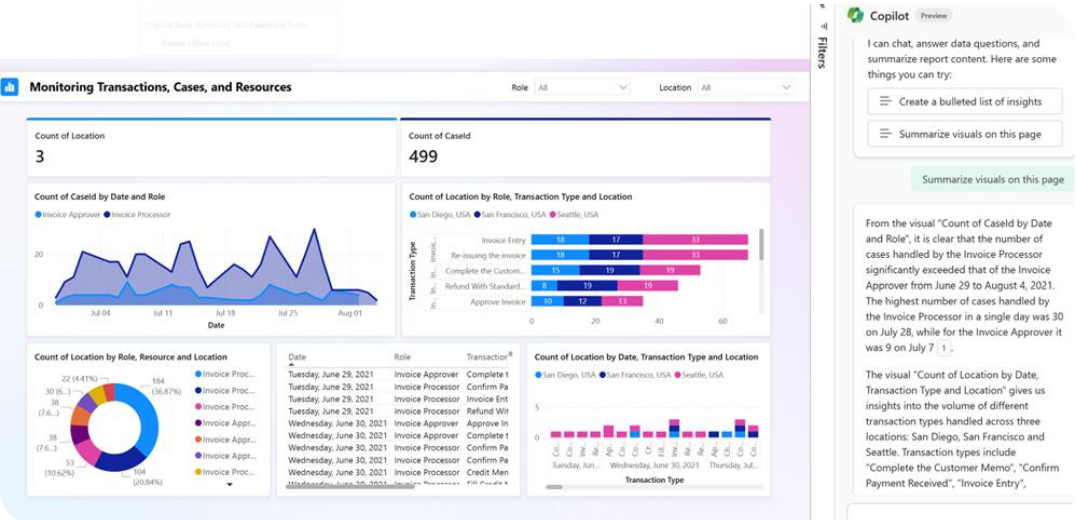


Services: Utility Management and Billing

Microsoft Services Used

- Microsoft Fabric
- Azure Data Lake
- Microsoft Purview
- Synapse Pipelines
- Azure Machine Learning
- Power BI

Unified Data Platform



Problems

- Multiple data repositories
- Experience not tailored for Business Users and no usage of Copilot
- Heavy reliance on Excel and Access Database for managing tasks.
- Growing need for predictive tools to better anticipate emerging needs and challenges.
- Inability to meet ongoing requests in a timely manner, leading to operational delays.

Solution

- Reduce fragmentation by consolidating multiple data repositories, internal and external applications, and data sets by building a SSOT (Single Source of Truth)
- Increase reliance on data through timely availability, accurate and actionable data to closely monitor progress and KPIs.
- Streamline processes and tools to reduce burden on users for validation of Data Quality and establishing more trust through BI Reports including Copilot.
- Built all new Reports and Pipelines using Copilot.
- Greater insights on data through smart and dynamic visualizations and comprehensive analysis across relevant data products.

Business Impact

Faster

Decision-making

Increased

Forecast accuracy

Boosted

Efficiency

Reduced

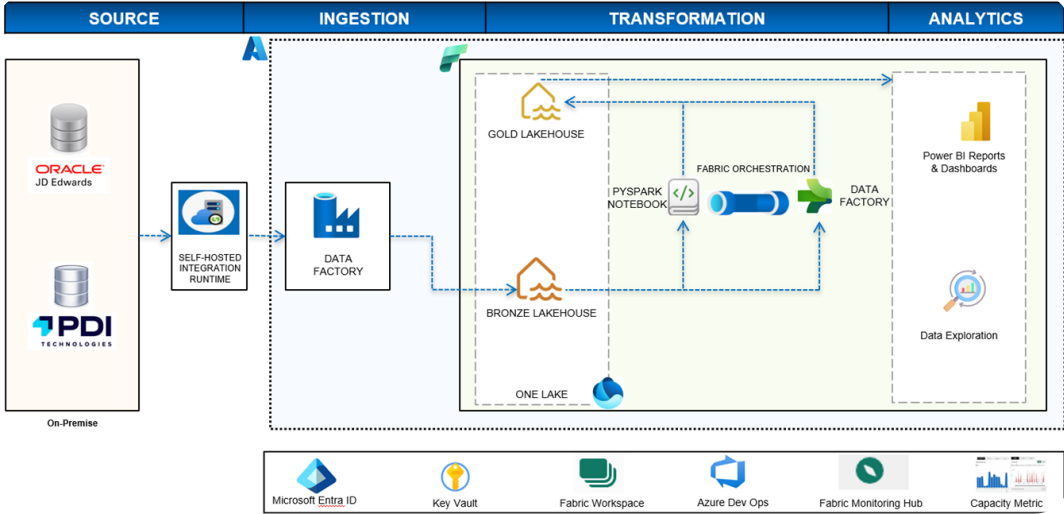
Retention risk

About the client

-  Industry: Electronics
-  Reach: 80+ countries
-  Count: 1200+ employees
-  Service: Touchscreen solutions

Conclusion

Accion Labs built a unified, data-driven platform that enhanced their ability to make informed, swift decisions, allowing them to proactively forecast and respond to future challenges and opportunities with greater efficiency



Challenges

- Encountered limitations with previous data processing and analytics platform.
- Mergers and acquisitions resulted in multiple disparate data platforms, leading to fragmented data across various systems.
- The critical need for a unified platform to consolidate data.
- Real-time information to meet evolving marketing demands.

Solution

- This enabled rapid processing of large data volumes and provides near-real-time data access to operational departments, vastly improving business efficiency compared to the previous nightly refresh cycle.
- The streamlined architecture and unified platform have substantially reduced wait times and resolved delays in data delivery across internal business functions.
- The advanced analytics capabilities, including faster visual refreshes and the ability to handle high data volumes multiple times daily, have significantly improved data processing speed and efficiency.
- Proven to be cost-effective and aligns perfectly with objective of transitioning to a unified platform.
- The feature-rich, scalable design enhances data accuracy, reduces monitoring efforts, and offers flexibility for automatic report refreshes immediately after pipeline execution, thereby delivering considerable value and supporting COL's strategic goals.

Business Impact

Accelerated

Data Processing

Faster

Decision making

Enhanced

Data quality

Enabled

Advanced Analytics

About the client



Industry: Oil & Gas



Location: USA



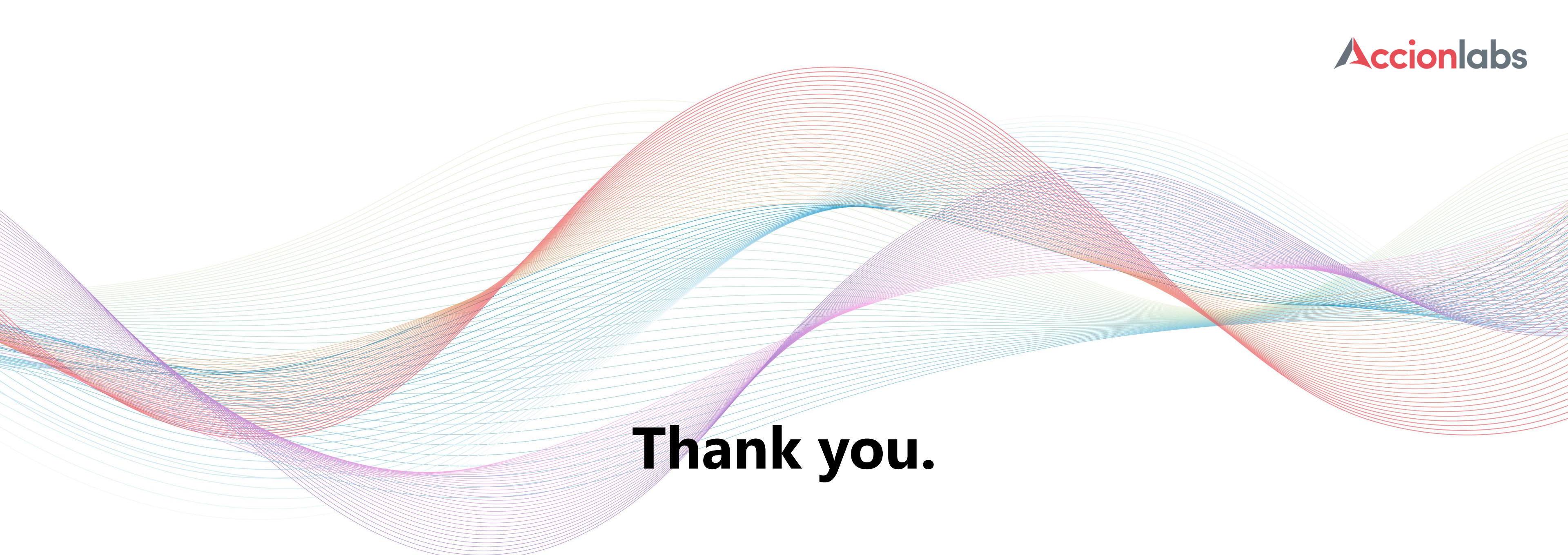
Count: 500+ employees



Suppliers & Distributors

Conclusion

Accion Labs led an initiative is to accelerate data processing, enhance data quality, and enable advanced analytics on a unified, integrated platform by helping the client in adopting Microsoft Fabric.

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Thank you.

Enhancing Lives by Transforming Businesses through Innovation



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