

# Our Data Management Capability

## Today's digital economies depend on good data.

Data is fueling personal lives and businesses globally. However, blockers such as incompatible data silos, inconsistent data quality, lack of data governance, and inadequate data infrastructure and tools can hinder the ability to use data effectively. Enterprises that can successfully address these challenges are better positioned to leverage the power of data to drive their business forward.

This is precisely where Blue Altair excels. Our team can execute both small point solutions as well as end-to-end projects to meet business requirements. Our expertise and experience in data management supports a wide spectrum of data management initiatives, including:

- Establish a governance framework for managing data assets and critical data elements (CDEs)
- Setup data quality and governance processes to ensure that data is accurate, complete, and reliable.
- Design and implement master data management programs for a trustworthy and enriched 360 degree view of the master entities.
- Assess, design and build scalable data analytics and business intelligence platforms using the latest cloud technologies to accelerate the organization's modernization journey.
- Migrate Enterprise Data Warehouses/BI solutions from On-Prem to Cloud Platforms.
- Design and develop compelling visualizations/dashboards to cater to business specific analytics needs in timely fashion.
- Utilize effective change management processes to ensure a risk optimized way for data initiatives' implementations.

## Our Expertise

Our team of technical and domain experts have a proven track record of delivering data management services to clients around the world. We have invested in reusable and automated technology and testing accelerators, frameworks, templates and checklists—all of which enable us to speed up our clients' business processes and shorten the time-to-market for their products and services.

Depending on where a business is in its modernization journey, we leverage the best-in-class intelligent workflows using open and secure designs and methodologies.

# A Holistic View of Data

Blue Altair takes a holistic view of data that looks beyond just its storage and organization and considers the entire data journey beginning with how it is created, accessed, transformed, analyzed, and consumed across different divisions of an enterprise. We believe that by taking a comprehensive, secured and futuristic approach to managing data, our clients will gain a deeper understanding of their data assets and use them more effectively to drive growth and innovation.

## How Can Blue Altair Help?

In today's fast-paced world, business demands are dynamic, and technology must be available immediately to address those needs in an agile manner. Blue Altair is well prepared to help businesses address their most pressing needs quickly. We provide data strategy assessment, implementation services and managed services across our focus areas:

### Data Quality and Governance



Define a robust and tailored data governance program to use the data asset in consistent, secured, trustworthy and reliable manner with focused approach to critical data elements (CDEs) identified using custom accelerator. Establish a strong framework including data policies, data catalog, business glossary and data lineage leads to establishing a data quality baseline and key metrics for continuous data quality monitoring and improvements.

### Assessment and Data Platform Modernization



Assess the current state of infrastructure, data quality and silos to establish the futuristic roadmap and the cost-benefit of moving legacy applications and data, to scalable and agile platforms, and subsequently lift and shift on-premises applications to the cloud services in phased manner with risk optimized way keeping business as usual in the modernization journey.

### Master Data Management



Establish a single, authoritative, and 360-degree source of truth for master data that can be accessed and used consistently resolving the data duplicities and inconsistencies obtaining improved data quality across the enterprise.

### Data Engineering



Design and build efficient, high performance data pipelines enabling, real-time seamless data ingestion at scale and helping businesses to build data marts, data warehouses to cater to analytical needs.

### Business Intelligence



Build a modern analytics platform leveraging state-of-the-art reporting tools to provide precise and real time dashboards, reports, and visualizations, to help decision makers optimize their strategies, enhance business performance and secure a competitive edge.

# Addressing Complex Business Needs

Over the past several years, we have impressed clients with our industry-leading solutions. Here is a glimpse of the type of problems we have helped our clients address:

## Energy Technology Supplier

### Challenges

- Lack of accessible and actionable data for informed decision-making
- Limited ways for business users to analyze, build or customize reports independently

### Our Solutions

- Integrated cloud-based Power BI Service to the client's platform to ingest data in near real-time from their SaaS platform.
- Enabled Self-service BI for the end business users by publishing a semantic model to analyze data.
- Created multiple use case dashboards for the business users for reference to enable Self Service Analytics.

## Higher Education

### Challenges

- Siloed and disintegrated application and data
- Complex digital estate leading to maintenance challenges.
- Legacy software does not support business processes and data accessibility.
- Survey Data analysis was limited due to legacy reporting methods.

### Our Solutions

- Detailed current state assessment highlighting the pain points and challenges.
- Future State Roadmap aligned with data and application democratization and migration on cloud services for scalability.
- Phased implementation plan to achieve the proposed road map.
- Survey data analysis dashboards using the latest tool to build an effective story for stakeholders with compelling visualizations.

## Automotive

### Challenges

- Time consuming data processing causes untimely and inaccurate operational reporting.
- Legacy software reaching the end of life.
- Data not easy to access.
- Lack of data strategy for futuristic and growing data needs

### Our Solutions

- Implemented a cloud-based modern data platform that provides:
- Improved speed of decision making
- Reduced cost and improved performance
- Data democratization, allowing more data constituents to access the data.
- Global enterprise reporting solution and advanced analytics
- Provided a data platform roadmap inclusive of data quality and governance framework and MDM.

## Pharmaceuticals

### Challenges

- Disparate systems and manual data entry causing data inconsistencies and errors.
- Keeping up with updated privacy and compliance regulations

### Our Solutions

- Implemented an MDM platform that brings all HCPs and HCOs across the enterprise together for a single version of truth. This had several business benefits, including:
  - Improved data quality
  - Faster data processing
  - Improved business process efficiency
  - Better data consistency across systems

## Pharmaceuticals

### Challenges

- Disparate source systems, mix of OnPrem & legacy systems, compatibility challenges.
- Quicker processing for big data
- Stringent Data security and Privacy policies, compliance in accordance with FDA.

### Our Solutions

- Implemented a robust and scalable data platform using Azure services for data processing, ingesting data from all types of data sources to form the EDW layer serving as a single source for all analytical needs.
- Parameterized all the ETL pipelines, allowing seamless integration of additional future data sources to the platform.

## Healthcare

### Challenges

- Siloed application data causing difficulty to view and access transactions and core data linked to an individual
- Delays in publishing recent data for analytics due to high data volume

### Our Solutions

- Implemented an MDM platform to bring transactional and core details from varied sources together and publish the golden view to the data lake.  
Key benefits:
  - 360-degree view for an Individual
  - Robust and faster data processing layers to obtain consolidated and accurate data for analytics.

# Our Partnerships

To serve the diverse needs of organizations in a rapidly changing business environment, we combine our advanced product knowledge and domain expertise with an in-depth understanding of our clients' business objectives. We collaborate with leading technology partners to build an ecosystem that enables us to leverage modular, scalable, production-grade data management across an enterprise.



## About Blue Altair

Blue Altair is a niche, culture-driven, industry-recognized business and technology consulting firm that assists our clients with digital transformations. We offer Strategy, Implementation, and Managed Services projects in API Management and Integration; Data Management; Digital Application Development; and Data Science & AI all backed by our exceptional program and project managers in our Client Success capability. Blue Labs is our innovation hub, where we use cutting-edge technology to build offerings that deliver accelerators and solutions.

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