

TREDENCE

 Microsoft  
Solutions Partner  
Data & AI  
Azure

Migration →

# Azure Migration Solution Offering by Tredence

## Solution Deck

#BeyondPossible



# Tredence is a **Data & AI** consulting firm, driving value realization by enabling the **last mile adoption of insights**

- 2000+** AI & Tech specialists supporting businesses across functions by delivering contextualized, high impact solutions
- 50%** Accelerator led solutions that **improve time to value by +50%** vs. traditional consulting and technology service companies
- 94%** **Best in class 94% NPS** customer satisfaction score driven by our laser focus on empowering decisions to help our clients win

 **6 of the top 10 Retailers and CPGs in the World Trust Tredence to Power their AI Strategy**



“Leader” in customer analytics



Market guide for data analytics & intelligence platforms in supply chain



Certified as Great Place to Work by GPTW India



Fastest growing US companies 6 years in a row

**Servicing industry leading clients** across verticals from 14 offices across North America, Europe, Asia, India and Australia with a Center of Excellence in Chicago

## Customers

Retail & CPG	Industrial	Telecom & tech	BFSI & publishing



# Together we accelerate **Azure Cloud Migrations**

## Why Change?

- Retailers, Manufacturers, Financial Services companies, Healthcare segments, etc. are under enormous pressure to change their business's efficiency, agility and response stemming from the lingering effects of the pandemic, global geo-political issues, and consumers rapidly changing buying preferences.

## Why Now?

- **Those companies that do not embrace change through data + AI underperform** their peers in profitability and market capitalization, and that trend is accelerating
- Cloud-native solutions are in the most mature and capable position ever.
- **Scalability, agility, and lower TCO are driving forces** more than ever

## Why Tredence?

- **Renowned for delivering Data + AI solutions faster**
  - >50% efficiency gain in data and AI solution delivery
- **Renowned Hyperscaler, Data Sales & Capability Success**
- **Market Recognized**
  - 2022 Microsoft Analytics Partner of the Year Finalist

# Why Tredence for Migrations?



Strong Data Migration Experience

**20+ Migrations**

We have migrated many large-scale enterprise Data & Analytics ecosystems to Cloud.



Homegrown Accelerators & Frameworks

**40% Faster time to market**

Standardized practices, methodology, frameworks and accelerators to reduce the overall time to value and improve the business value quickly.

T-Assurer



T-Discoverer

Sancus



Microsoft Partnership and Skillset

**ECIFs: lower start-up costs**

Our strategic partnership with Microsoft helps you get more for less & best of innovation to stay ahead of the curve.



Deep industry segments

**Experienced in working with all majors in segments**

**10/10 CSAT score on data science engagement**



Ready team

Flexible and agile architecture  
Apply Best practices and learnings

Committed to invest in your success, and to ensure best-in-class architecture and tools

# Data & Analytics Platform Modernization : **Key Drivers**

Enterprises that are Data & Insights Driven stand much higher chance to compete and win in the modern marketplace. There are several challenges limiting enterprises transforming themselves into Insights Driven. Data & Analytics Platform Modernization is a transformative step in the journey to becoming insights driven enterprise.

## Key Drivers



**Longer lead time to turn data into insights**



**Capacity limitations to handle large pay loads**



**Inability to generate insights at the Edge to match the speed of transaction**



**Cost prohibitive and Low performance**



**Limited self-service capabilities and thus low ROI**

# Tredence Data & Analytics Platform Migration COE

Our Migration Center of Excellence is created to grow our competencies and build standardized practices, methodology, frameworks and accelerators to reduce the overall time to value and improve the business value quickly. We have migrated many large-scale enterprise Data & Analytics ecosystems to Cloud

## Core Capabilities



Platform Advisory and Business Case Support



Data Migration Services



Data Ingestion, Curation and Provisioning Services



Enterprise BI, AI ML & Last Mile Adoption



Program Management, Change Management & Governance



Managed services (Scaled DevOps & ML Ops)

## Relevant Migration Accelerators

**T-Discoverer**

Database and ETL Code Reverse Engineering Accelerator across multiple platforms



Automated Data Migration Framework (Databricks Powered)

**Sancus**

AI Enabled Data Quality and Enrichment Accelerator



ML Works

Model monitoring/Alerting using Explainable AI

## Core Competencies & Skills

↗ **1,800+** Data Scientists/Engineers

↗ **400+** Cloud Engineers

↗ **150+** Certified Cloud Practitioners

↗ **80+** Certified Cloud Architects

## Our Technology Partnerships



**2022 Microsoft Partner of the Year Finalist**

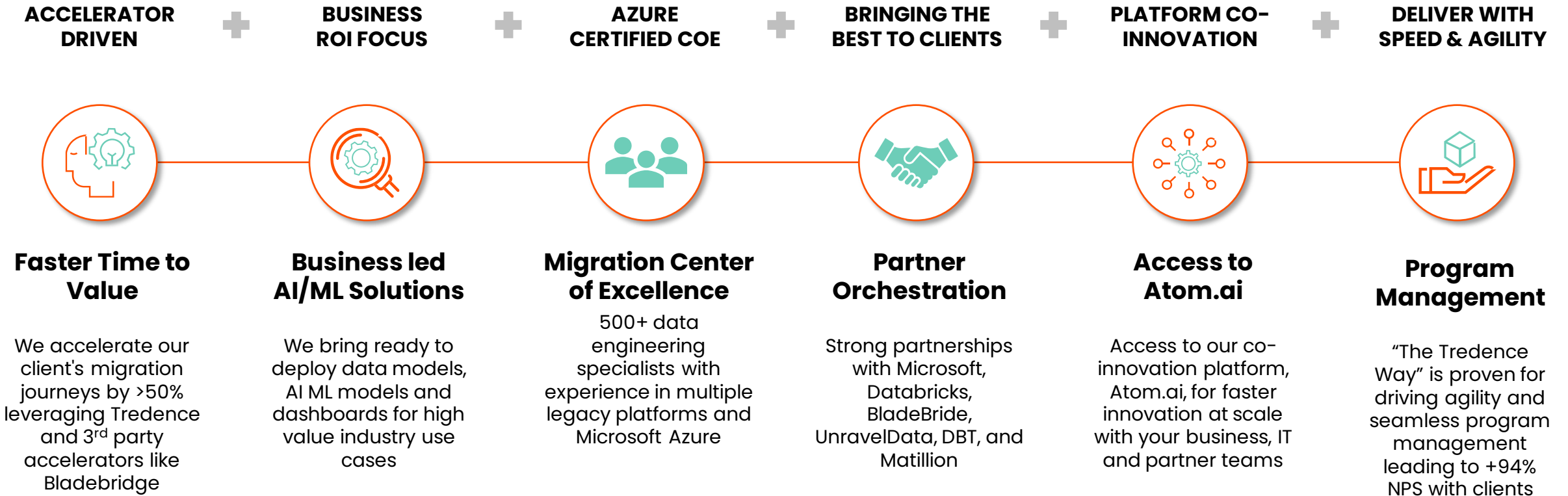


**2022 Databricks Certified Retail & CPG Partner of the Year**



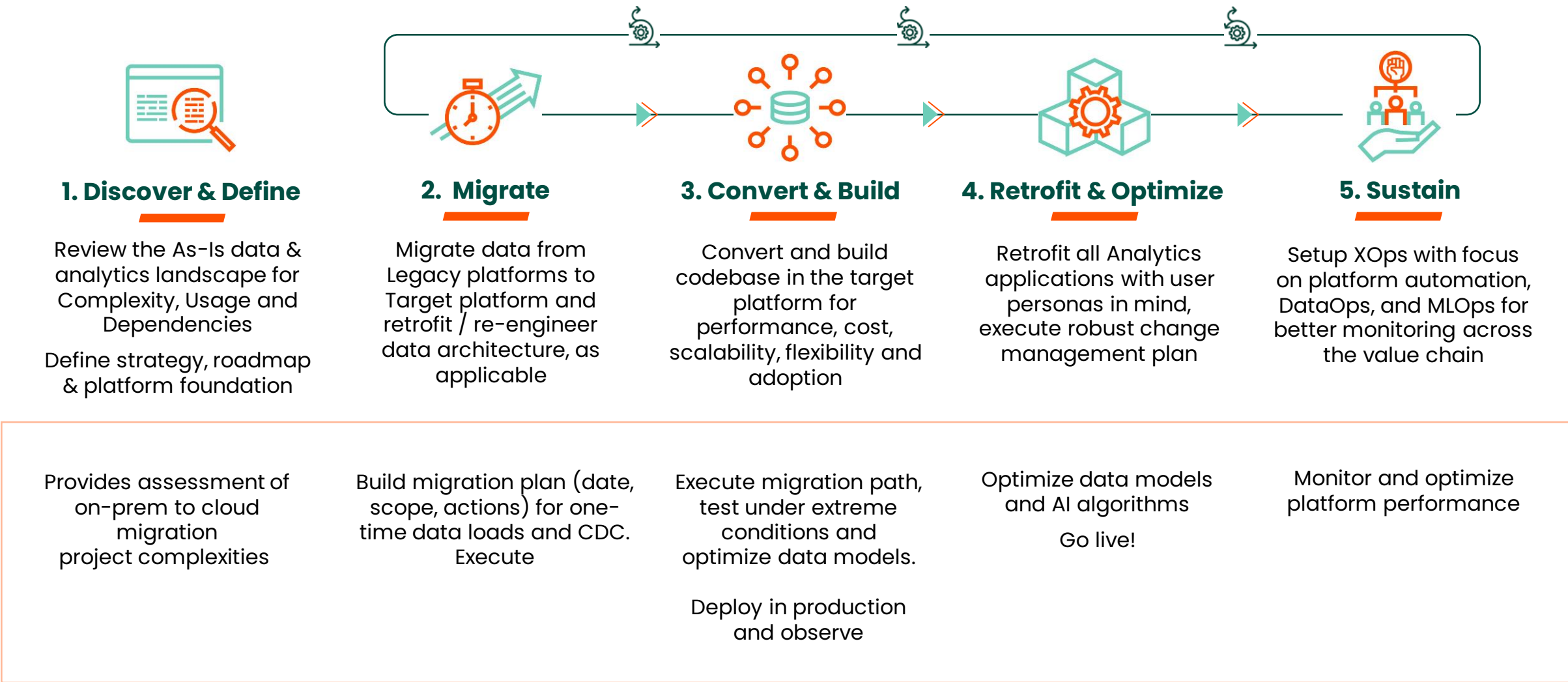
**Databricks Launch Partner for Retail Lakehouse**

# Azure Migrations: The Tredence Value Proposition



# Our Data & Analytics Migration Execution Methodology

We have standardized the methodology and approach to govern migration of data and analytics applications leveraging reusable and ready to deploy accelerators, frameworks and runbooks there by improving the overall time to value.



## 1. Discover & Define

Review the As-Is data & analytics landscape for Complexity, Usage and Dependencies

Define strategy, roadmap & platform foundation

Provides assessment of on-prem to cloud migration project complexities

## 2. Migrate

Migrate data from Legacy platforms to Target platform and retrofit / re-engineer data architecture, as applicable

Build migration plan (date, scope, actions) for one-time data loads and CDC.  
Execute

## 3. Convert & Build

Convert and build codebase in the target platform for performance, cost, scalability, flexibility and adoption

Execute migration path, test under extreme conditions and optimize data models.

Deploy in production and observe

## 4. Retrofit & Optimize

Retrofit all Analytics applications with user personas in mind, execute robust change management plan

Optimize data models and AI algorithms  
Go live!

## 5. Sustain

Setup XOps with focus on platform automation, DataOps, and MLOps for better monitoring across the value chain

Monitor and optimize platform performance



# Tredence drives **lower cost to implement & faster time to value** for Azure migrations

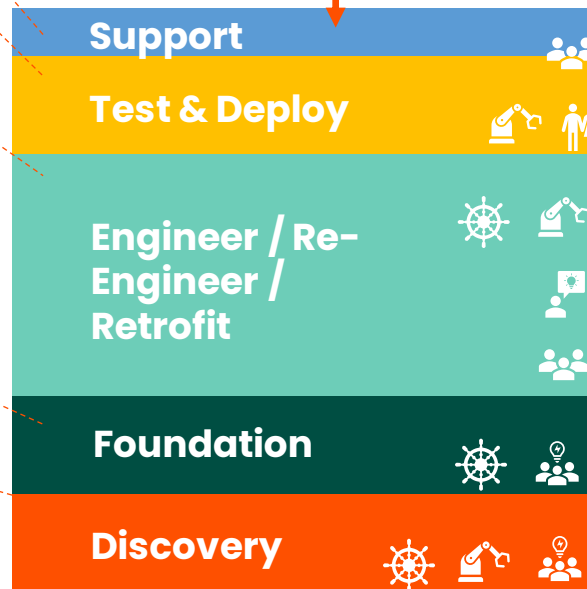
## Migrations with traditional tools and methodologies



Multiple Quarters or even Years

## Tredence's Accelerator led Migrations

- **Faster Deployment**
- **Lower TCO**
- **Higher ROI**
- **Assured Business Value**



Months or Quarters

- Automated Platform Ops – logging, alerts, and self-healing
- Automated testing tools for Integration and regression test cycles, reduction in test duration and improved QA
- Reusable frameworks and accelerators for data migration, ingestion, and provisioning resulting in smaller Pods and improved time to insights
- Ready to use frameworks for right tools selection based on enterprise needs
- Code reverse engineering accelerators covering databases, ETL tools and orchestration platforms

Legend: Framework Accelerator

# Tredence Migration Solution for Azure Quick Start Offering



## Quick Start Assessment + Pilot

### Duration: Target 4 weeks

- Quick Start Assessment + migration for one domain

### Key Deliverables:

- Source to target mapping
- High level / low level design
- Migration roadmap
- Recommendations
- ETL Migration that includes four simple and one complex ETL job

**Cost:** \$125,000

- *Initial cost for Azure setup not included*
- *Qualified Databases: Teradata, Netezza, Oracle, SQL Server etc.*
- *Qualified ETL: Informatica PowerCenter, DataStage, Ab Initio, SSIS*
- *Target 4 weeks. May vary based on complexity*

# Case Study: **Global Enterprise** Focused on Water Treatment, Purification, Cleaning & Hygiene

Microsoft  
Solutions Partner  
Data & AI  
Azure



## Background

Our client needed to **decommission** the Hadoop cluster by migrating all the data & applications to **Azure Cloud** to save costs, improve time to insights and thus ROI



## Business Problem

The customer has two global platforms for enterprise reporting.

- » One, hosted on **Cloudera** as Hadoop clusters on Azure VMs, and
- » Other users only use Azure services with Snowflake (**MAP**).
- **Cloudera** housed seven critical global supply chain applications & their respective data, whereas all other Enterprise BI reporting around sales, billing, etc. was based on the **MAP Platform**.
- Due to the high operational & licensing costs, the customer, as an organization, decided to migrate all applications and their respective data from Cloudera to MAP Platform.



## Solution

- » Enable historical data movement from the Hadoop DFS system using Azure ADFS Gen2.
- » Moved batch jobs in Spark with ADF dataflows and pipelines; moved near-real-time jobs with Azure functions, service buses, logic apps, event hubs, and stream analytics services.
- » Moved application data stores to snowflake
- » Enable Enterprise reporting of all divisions, regions, & vertical from a singular platform - MAP

### Technology Stack

ADLS Gen 2 | Snowflake | Azure Functions | Data Factory | SQL Server | Event Hubs | Stream Analytics | Service Bus | Logic Apps



## Outcomes & Impact

**7+**

Applications moved to Enterprise-wide standardized architecture

**\$1M+** saving in operational and licensing cost during the first year itself

Standardization & harmonization of **120 odd datasets** with a unified global Supply Chain Data Model

**Legacy System** (Cloudera)  
**Decommissioned**



**#beyondpossible**