

TREDENCE

 Microsoft
Solutions Partner
Data & AI
Azure

Migration →

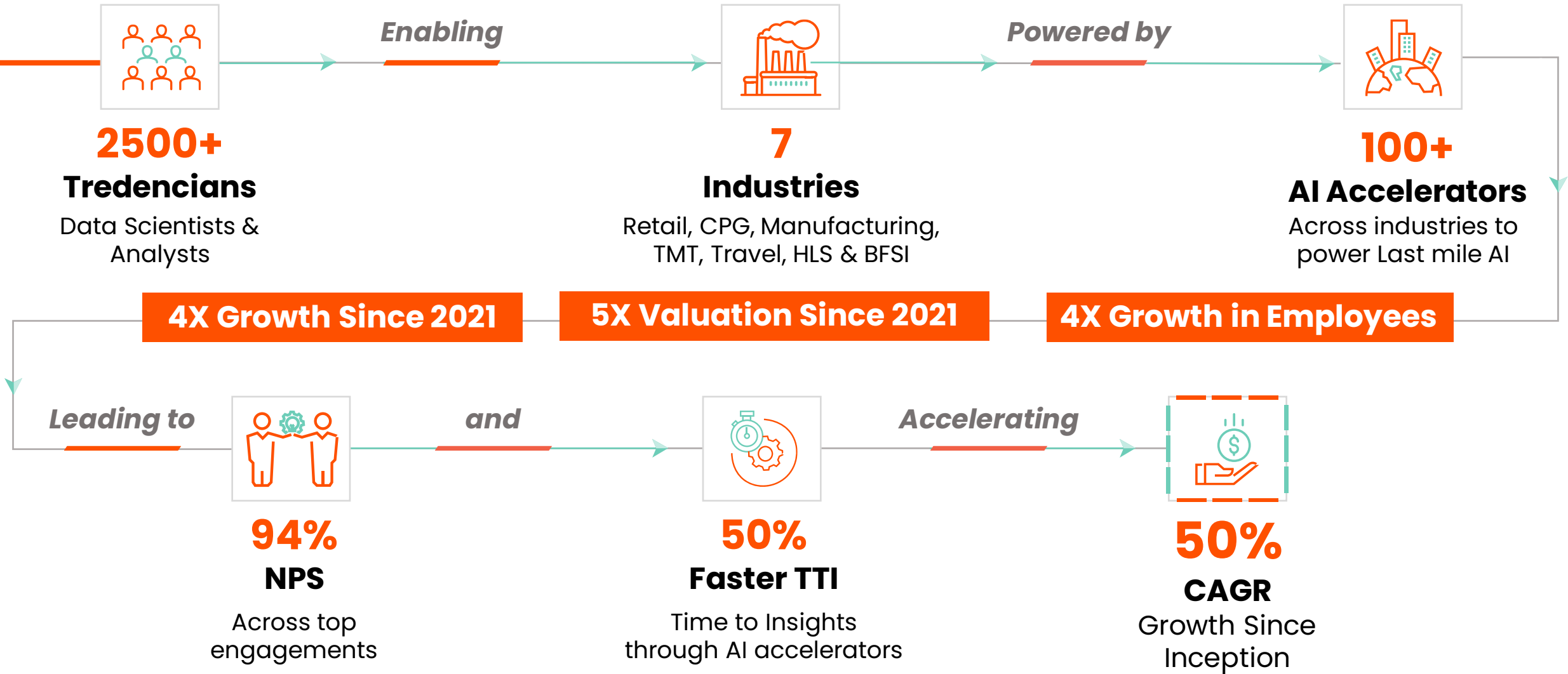
Azure Migration Solution Offering by Tredence

Solution Deck

#BeyondPossible



Tredence at a Glance





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



Limited self-service capabilities and thus low ROI



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



Cost prohibitive and Low performance

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



Enterprise BI, AI ML & Last Mile Adoption



Data Migration Services



Program Management, Change Management & Governance



Data Ingestion, Curation and Provisioning Services



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



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



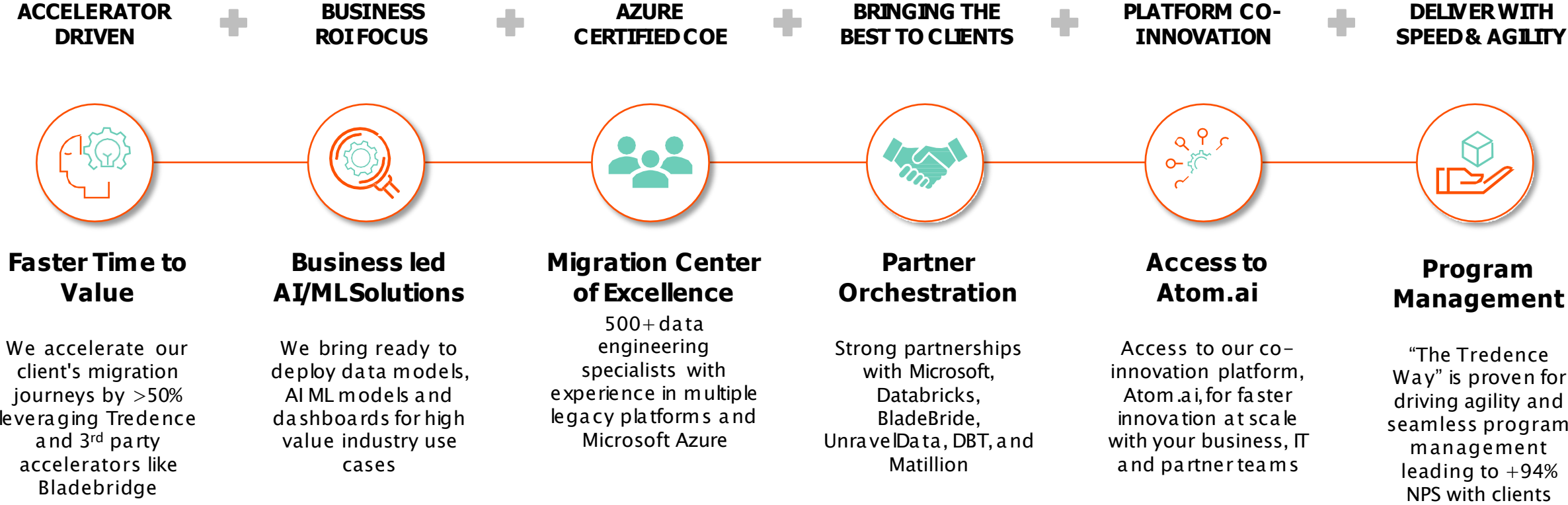
2022 Databricks Certified Retail & CPG Partner of the Year



Databricks Launch Partner for Retail Lakehouse

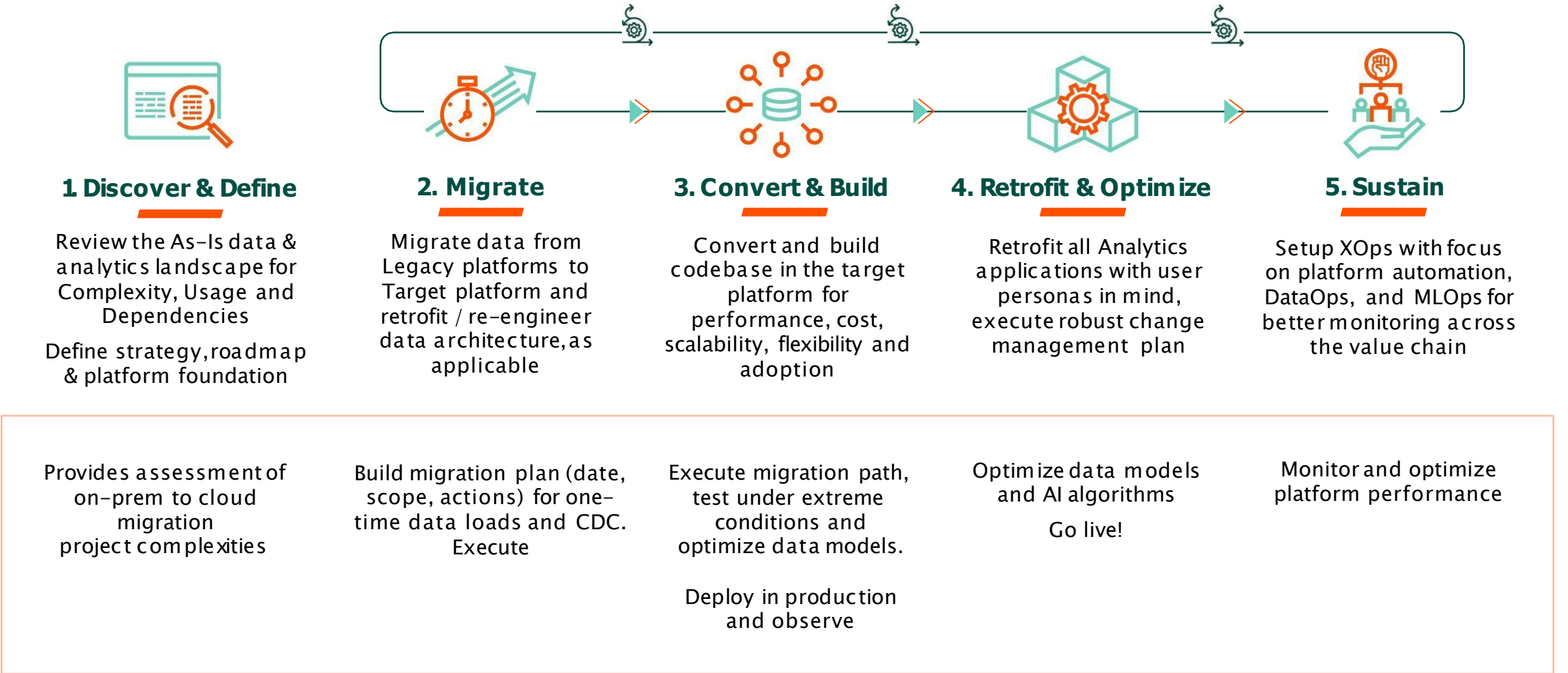


Azure Migrations: The Tredence Value Proposition



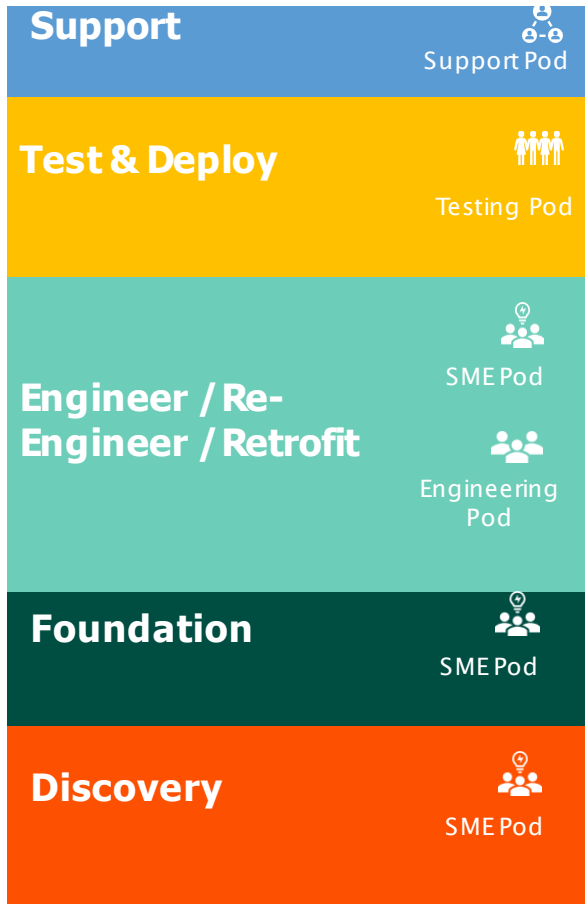
Our Data & Analytics Migration Execution Methodology

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.



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

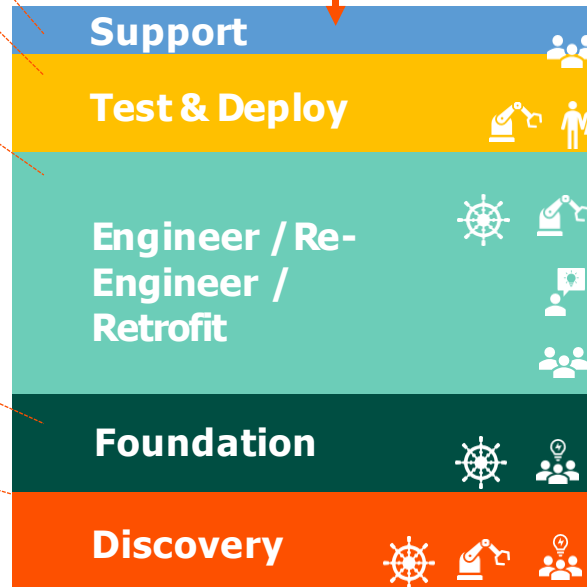
Migrations with traditional tools and methodologies



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



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, Data Stage, Ab Initio, SSIS*
- *Target 4 weeks. May vary based on complexity*

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

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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

