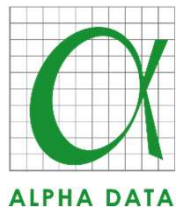


# **Solution Overview**

**Azure Market Place Offering  
Alpha Data Rapid AI Assessment**



# AI Solutions Framework & Overview



## 1. Rapid AI Assessment:

1. Goal: Identify & prioritize AI opportunities.
2. Approach: Workshop-driven analysis of current data landscape.
3. Focus: AI, Generative AI, and LLMs.
4. Outcome: Success metrics & roadmap for implementation.

## 2. Proof of Concept (PoC) Development:

1. Objective: Demonstrate feasibility & value.
2. Steps: Data preparation → Model training → Evaluation.

## 3. Full Implementation Support:

1. Scope: End-to-end AI solution deployment.
2. Benefit: Ensure success & long-term value realization.



# Goals and Objectives for full Implementation



## High-Level Goals:

- ❑ Engage key stakeholders individually to align on AI objectives
- ❑ Assess a single data source for integration
- ❑ Define data requirements across all sources
- ❑ Setup all the required data capture processes and tools on Azure.
- ❑ Integration with existing in-house infrastructure.



## Objectives:

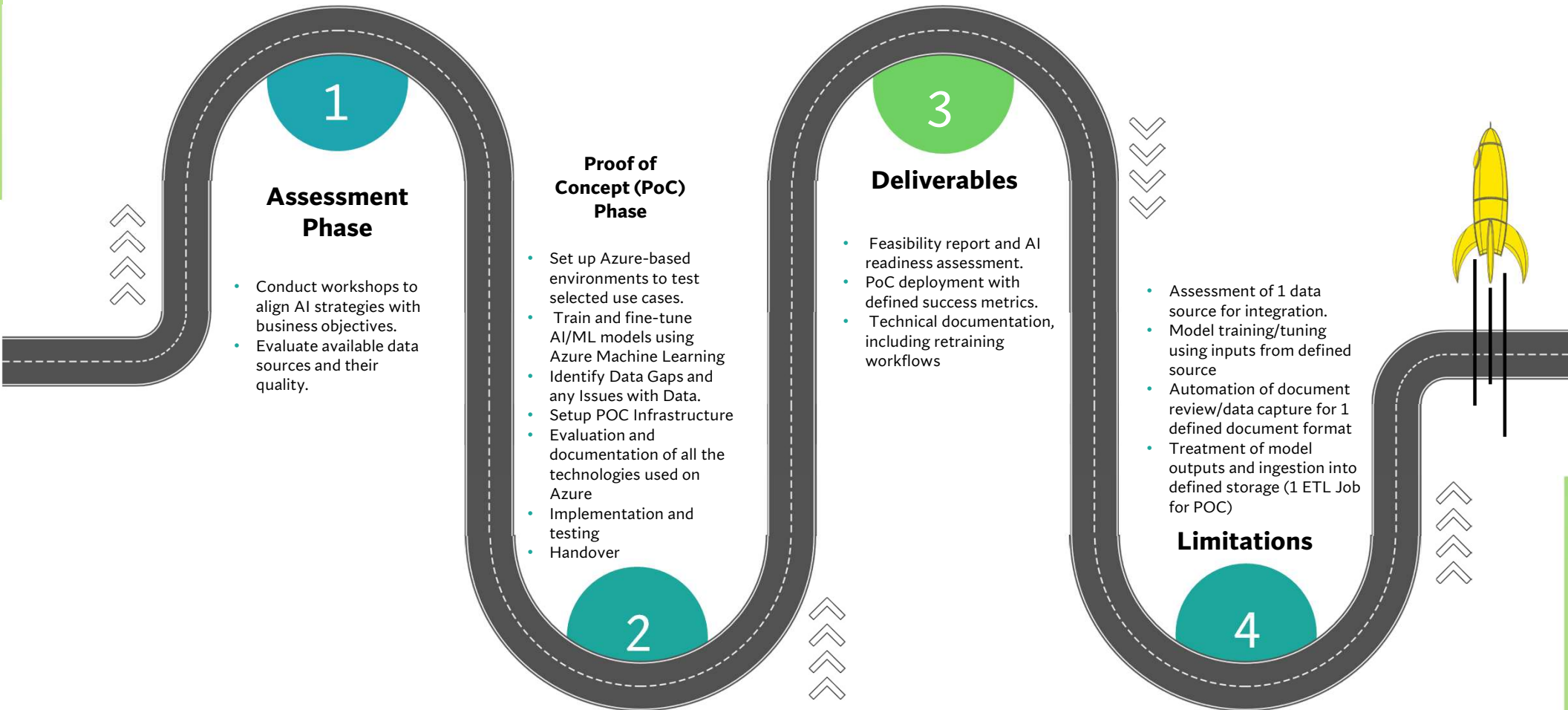
- ❑ **Assess Current AI Readiness**
  - Evaluate existing data infrastructure and readiness for AI implementation.
  - Conduct engagements to understand key AI objectives.
  - Assessment is to be done for 1 data source for the integration.
- ❑ **Proof of Concept (PoC)**
  - Build a functional prototype for selected AI use cases.
  - Demonstrate feasibility, scalability, and ROI potential.
- ❑ **Model Training/Deployment**
  - Deploy and integrate AI models into Azure-native or hybrid environments.



## Features:

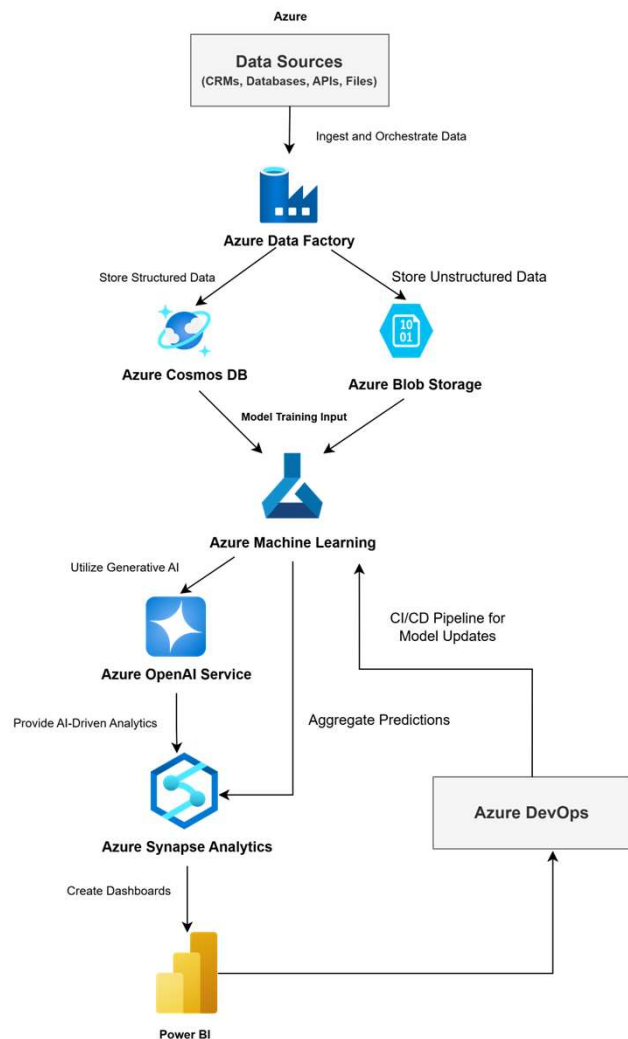
- ❑ **Generative AI Expertise:** Leverages Azure's Generative AI for innovation in content creation, campaign automation, and advanced analytics..
- ❑ **Remote Delivery:** The entire process, from workshops to implementation, can be delivered remotely.
- ❑ **Business Value Focus:** Aligns AI solutions with strategic goals, prioritizing quick wins to deliver early and impactful results.

# Sample Scope of for Full-Scale Implementation



**Note:**  
Limitations will be in place for the number of ETL jobs and any workflows.

# Sample Solution Architecture



This architecture leverages Azure services to streamline the AI assessment process, ensuring scalability, automation, and actionable insights:

## 1. Data Ingestion:

- Azure Data Factory collects data from multiple sources like CRMs, databases, and APIs.

## 2. Data Storage:

- Azure Cosmos DB stores structured data, and Azure Blob Storage handles unstructured data like documents.

## 3. AI Model Development:

- Azure Machine Learning trains models, integrating Generative AI capabilities via Azure OpenAI Service.

## 4. Insights and Analytics:

- Predictions and AI-driven insights are aggregated using Azure Synapse Analytics and visualized in Power BI.

## 5. Continuous Improvement:

- Azure DevOps enables a CI/CD pipeline for ongoing model updates based on feedback.

This architecture provides a flexible, end-to-end solution for AI assessments, emphasizing automation, integration, and actionable results.