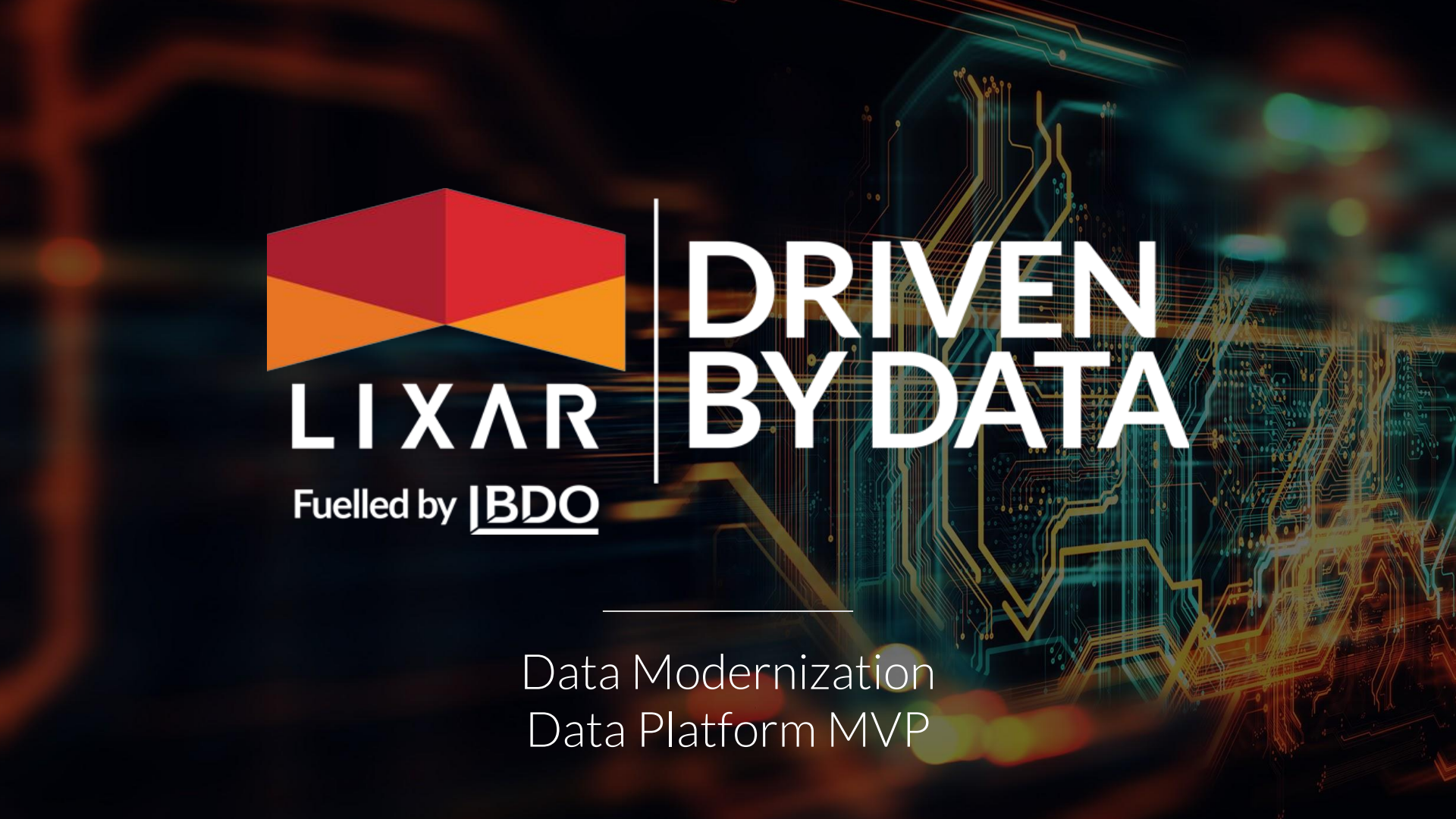


Data Modernization
Data Platform MVP

HeroPath "DATA LAKE" ACCELERATOR

Ingest

Data Factory extracts the data and loads it to the Data Lake

Incoming data is persisted in the unlimited Data Lake Store

Transform

DATABRICKS

Engage

Databricks performs all calculations and transformations

Azure Synapse Data Warehouse securely exposes the data to Power BI

HeroPath | PHASE 1

HeroPath Accelerator Objective:

1

HeroPath Data Platform MVP is based on state-of-the-art **cloud** services to illustrate the overall vision.

2

Establish an end-to-end flow including **ingestion**, **processing** to **normalize using Azure Databricks** and validate data, and visualization.

3

Securely store newly modelled data within **Synapse Data Warehouse** and Show advanced **visualization** capabilities available out of the box on **Power BI.**

HeroPath | PHASE 1

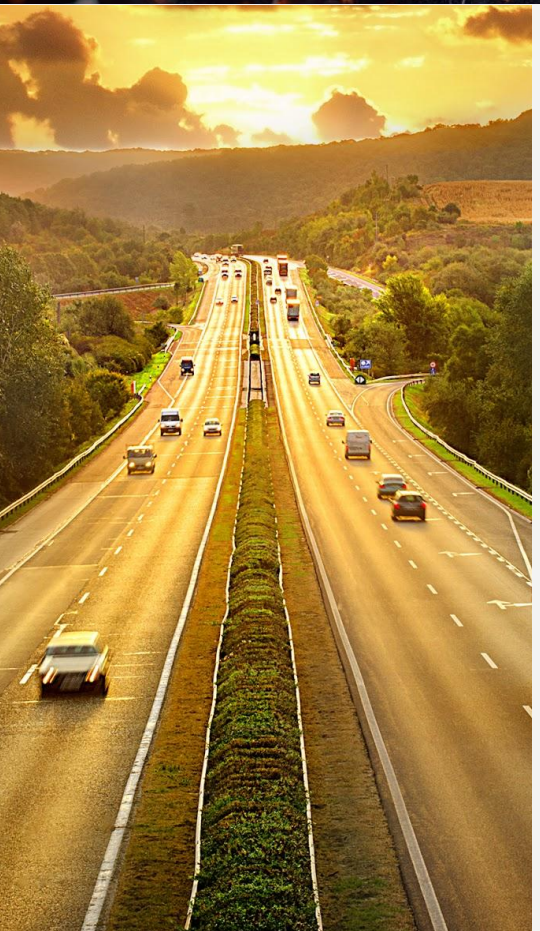
Proposed Architecture

The proposed **Hero**Path architecture for this project is based on the Microsoft Azure platform. Our aim is to set up and manage a lightweight and elastic platform that can ingest up to 3 data sources, persist it in raw format, process and curate the ingested data, surface the data, and create a data visualization driven by the surfaced data.

Milestone	Delivery Date
Project Kickoff- Data Discovery	**Week 1**
Platform Setup	**Weeks 1-2**
Data Ingestion & Processing	**Weeks 3-4**
Data Modelling & Reporting	**Weeks 5-6**
Deploy & Knowledge Transfer	**Week 7**
Estimated Cost	**$50,000**

Lixar will provision all of the required services to demonstrate the functionality of a working data pipeline.

WHY HeroPath?



Key Benefits of **Hero**Path:

- **Lower the costs** of creating and maintaining a secure data engineering pipeline at scale
- **Accelerate innovation** and increase business agility with AI-driven success
- Gain insights faster with reliable, **high-volume ingestion of hybrid data**
- Accelerate model training by enabling data scientists to quickly **discover the right datasets**
- **Increase productivity** and do more with existing resources by leveraging the right partners and tools

HeroPath DEPLOYMENTS

Industries with deployed HeroPath data pipeline:

- Manufacturing
- Financial Services
- Public Sector
- Sports and Entertainment
- Telco

Transport Canada | Transports Canada

Canada School of Public Service | École de la fonction publique du Canada

SaskTel | MAGNA | BELRON | ARC

NHL | Brookfield | Scotiabank

Lixar Fuelled by BDO

Lixar is a **Premier AI and Data company** in Canada that helps clients discover how AI and Data can be leveraged to provide actionable, data-driven outcomes. The company is built on over **20 years of enterprise-scale experience** developing connected software solutions:

LIXAR
Fuelled by BDO

DATA, AI-ANALYTICS & CLOUD

- Data Science & AI
- Cloud Platform as a Service
- Edge Computing
- Engineering / Architecture
- Advisory / Strategy

SOFTWARE DEVELOPMENT

- Mobile / Web Front & Back End
- User Experience (UX / UI)
- Connected Products / Platforms
- Legacy System Transformation
- SDK /API Development