

ENTERPRISE DATA ANALYTICS & AI INSIGHTS PLATFORM (8-Week Implementation)

Transform Data Into Actionable Insights With Azure Synapse, Machine Learning, And Power BI

Pricing : \$45,000 | Categories : Analytics, Big Data, AI & Machine Learning, Data Platform

AZURE SERVICES USED : Azure Synapse Analytics, Azure Machine Learning, Power BI, Azure Data Lake Storage, Azure Data Factory, Azure Purview, Azure Key Vault, Azure Monitor

The Challenge

Enterprises struggle with data challenges:

- ✔ Data siloed across multiple systems and platforms
- ✔ Lack of real-time insights for decision-making
- ✔ Manual reporting processes consuming significant time
- ✔ Inability to leverage predictive analytics
- ✔ Poor data quality and governance
- ✔ High costs of legacy data warehousing solutions

Our Solution

Celestial delivers a modern analytics platform using Azure Synapse Analytics, Azure Machine Learning, and Power BI. Our 8-week implementation unifies data from disparate sources, applies AI/ML models for predictive insights, and delivers interactive dashboards that empower data-driven decision-making across the organization.

What Makes This Different

- ✔ End-to-End Platform: From data ingestion to visualization
- ✔ AI-Powered Insights: Predictive and prescriptive analytics built-in
- ✔ Scalable Architecture: Handles data at any scale
- ✔ Cost-Optimized: Pay only for what you use

Key Features

1. UNIFIED DATA PLATFORM

- Azure Synapse for data warehousing and analytics
- Integration with 100+ data sources
- Real-time and batch data processing
- Azure Data Lake for scalable storage

2. ADVANCED ANALYTICS

- SQL and Spark analytics engines
- Complex query optimization
- Data exploration and discovery
- Historical trend analysis

3. PREDICTIVE AI/ML

- Azure Machine Learning integration
- Automated ML (AutoML) capabilities
- Forecasting and prediction models
- Anomaly detection and alerts

4. SELF-SERVICE BI

- Power BI interactive dashboards
- Mobile analytics access
- Natural language Q&A
- Embedded analytics in applications

5. DATA GOVERNANCE

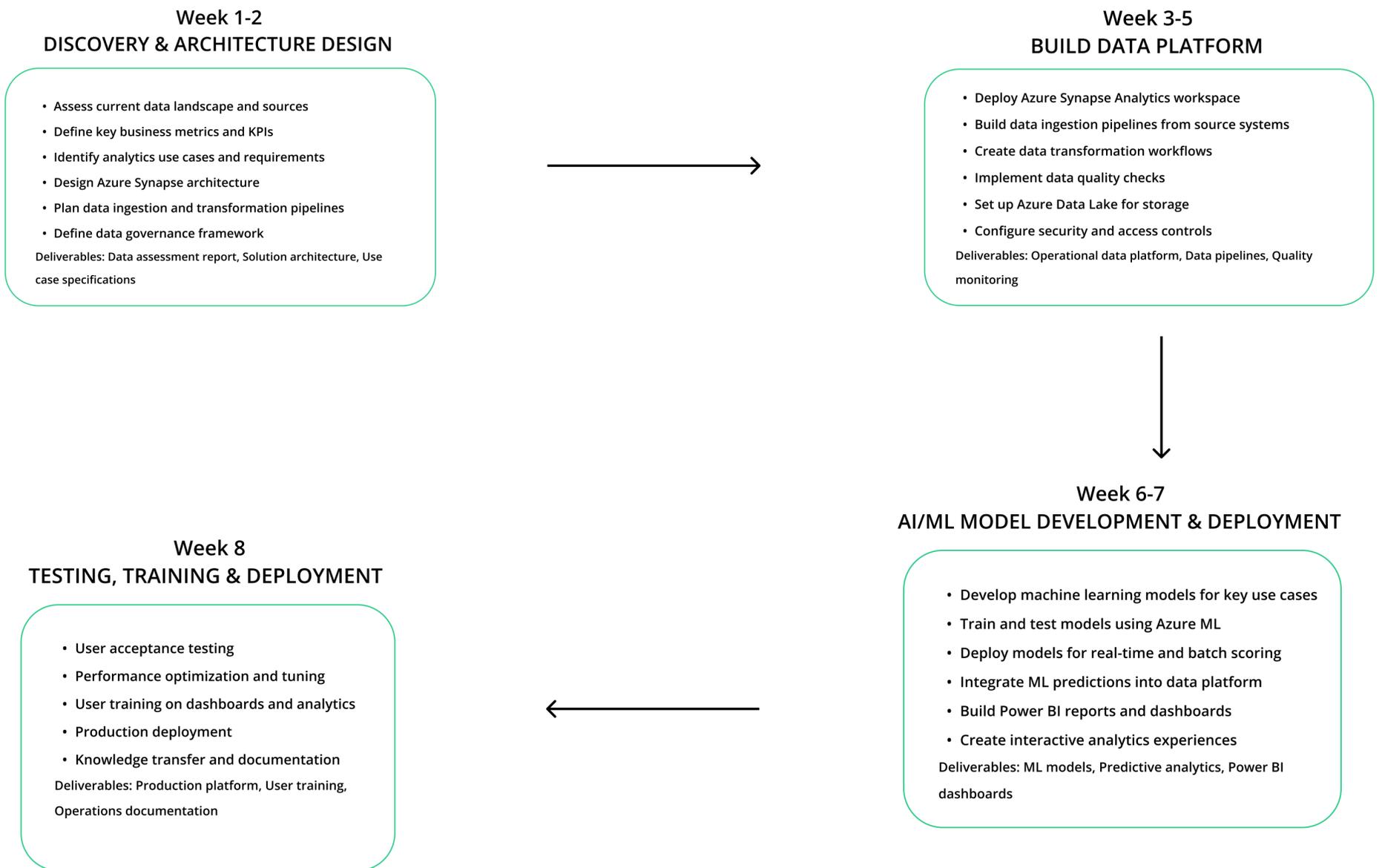
- Azure Purview for data catalog
- Automated data lineage tracking
- Compliance and audit reporting
- Data quality monitoring

Business Outcome

- ✔ 90% reduction in report generation time
- ✔ Real-time insights across the organization
- ✔ 40% improvement in forecast accuracy
- ✔ 50% reduction in data warehousing costs
- ✔ Enhanced data governance and compliance
- ✔ Democratized analytics across all business units



8-Week Consulting Engagement



Celestial: Empowering Enterprises Since 2001

Based in Vancouver, Canada with worldwide offices and a fully in-house engineering team, we combine a heritage of industry leadership in application engineering with deep expertise in data and AI solutions.

At Celestial, we're passionate about empowering enterprises to leverage the power of AI to unlock new opportunities, minimize risk, and sharpen their competitive edge.

375+

employees worldwide

250+

clients

20+

multi year engagements

1500+

mission critical applications



DataShapes

