Azure Data and AI Platform Quickstart

Tallan's Azure Data and AI Platform Quickstart is a collection of repeatable assets that when combined, will empower the people, processes and technology to ensure the maximum value of your data.

Our Accelerator Includes:

- Pre-configured Azure data lake storage structures
- Delta Lake standard to support ACID transactions and enable time-travel
- Data ingestion pipeline automation
- Support for real-time or streaming data feeds
- Templated Databricks Notebooks
- Direct SQL-based data lake access

- Support for data catalog integration
- Pre-built Power BI reports and dashboards
- Pre-designed data and machine learning models
- MLOps framework for operationalizing ML models
- Pre-built scripts and persona-based access
- Pre-configured data governance and security frameworks
- Metadata driven platform deployment framework

Toolkit

Azure Data Lake Storage

Azure Databricks / MLflow

Azure Synapse Analytics

Power BI

Benefits

- Go from Data and AI ideas to MVPs in as little as a month
- Faster onboarding of additional data sources – scale as fast as your use cases
- Accelerate time from data to business intelligence

- Reduce time spent on proof of concepts
- Align to support CI/CD enabled deployment framework
- Successful, operational ML Models means less experimentation and more analytic value

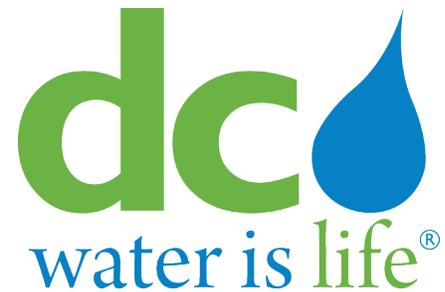# Case Study: Azure Data and AI Platform Quickstart for Public Water Authority

"Identifying the causes of even a 1% loss will result in an approximate revenue increase of about $4-5M."

Read the full case study on Tallan.com

Microsoft Partner

2020 Partner of the Year Finalist
Power BI Award

Microsoft

dc water is life®

Process Optimization

• Enhance conservation and sustainability efforts through proactive planning rather than reacting
• Reduce maintenance costs by protecting infrastructure assets like piping and water mains
• Reduce energy use by maximizing operations of your water pumps and pump stations
• Increase operational efficiency through integrated data sources and automation

Maximize with Machine Learning

• Highlight needs for capital improvements and planned system upgrades based on data-driven insights
• Predictive analytics can lead to preventative maintenance and action which leads to decreased service interruptions, fewer customer complaints, and a reduction of water loss
• Maintain a quick ROI for your organization
• Proven ML Models means less experimentation and more analytic value
• Once your data is clean, in the same format, and in the same place, it can be integrated with other systems or monetized

Reporting & Analytics

• Take preventative action based on both pre-designed and customizable reports
• Internal sources like ERP systems, customer billing accounts, sensor data and AMI data integrated with external information like GIS and climate change all contribute to better planning and decision making with data
• Achieve operational efficiency and broaden the business value of this solution in billing and finance, customer service, and more
• Capital and strategic planning will be easier and more streamlined than ever

To learn more about our data and analytics solutions or request a demo
with our subject matter experts, visit tallan.com/data-analytics or email BI@tallan.com.

TALLAN

Experience Talent-Driven Innovation

Founded in 1985, Tallan provides technology and business process consulting services to enterprise and mid-sized companies, as well as government entities, with a focus on Custom Development, Portals and Collaboration, Business Intelligence, Application Integration, Mobile Platforms, User Experience, Ecommerce, Web Development, and Cloud Services.