Quality Assurance for Manufacturing | Architecture

Azure Machine Learning
Compares test data, historic data and failure data to make real-time predictions.

Azure Event Hub
This highly-scalable service ingests and distributes test data.

Azure Stream Analytics
Sends test data to Machine Learning, Data Warehouse and PowerBI. Sends predictions to PowerBI and Data Warehouse.

Azure SQL Data Warehouse
Historic and real-time data is stored along with predictions.

Power BI
Creates reports and visualizations based on the real-time and historical data and predictions.