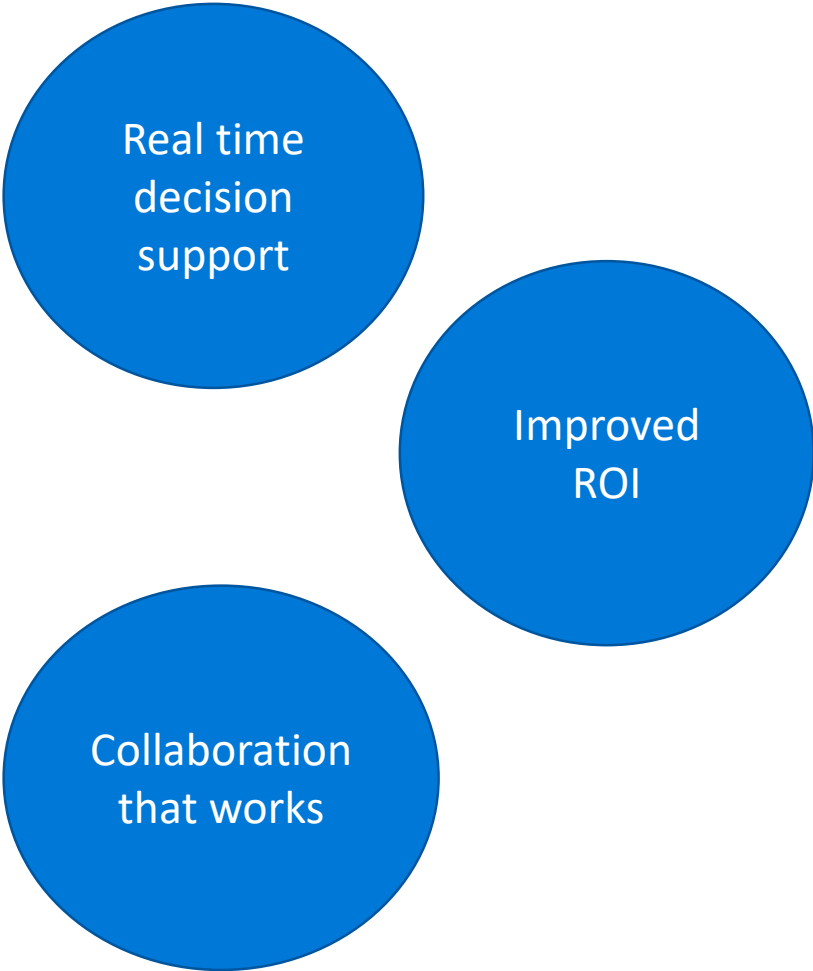


Velrada Big Data with Databricks

velrada



“Velrada Big Data with Azure Databricks enables Operations Managers and Asset owners to get true ROI from their data. It does this by enabling data engineers and data scientists to collaborate effectively and to rapidly deliver insights that can be used for real time decision support using reliable big data pipelines.”

Three blue circles are arranged in a triangular pattern on the right side of the slide. Each circle contains white text. The top circle contains "Real time decision support", the right circle contains "Improved ROI", and the bottom circle contains "Collaboration that works".

Real time
decision
support

Improved
ROI

Collaboration
that works

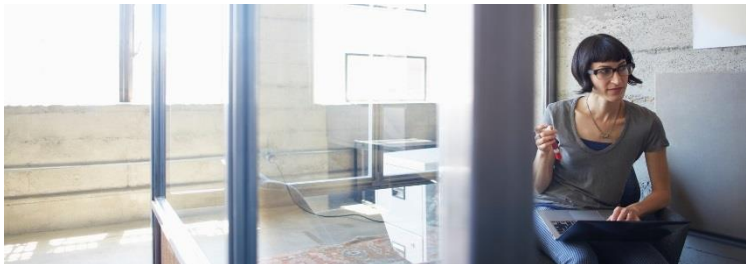
Operations and Asset owners in Utilities



Challenges

How do I leverage existing data to increase customer satisfaction, enhance operational safety, reliability and efficiency and help me dynamically plan for the future?

- Operational data is not connected with Financial, Safety and other data sources.
- The processes of combining data is manual.
- The data volumes are too high to use traditional techniques.



Ideal Solution

A prebuilt set of Big Data tools that enable you to combine IoT, Operational Data and Enterprise data to empower to provide single, consistent view of operations as well as enabling Data Scientists to create giant leaps in improvement.

- Work with Data sources not currently usable
- Combine SCADA data with ERP data
- Embed predictive maintenance algorithms directly back into business processes.



Desired Outcomes

Join utilities across the globe who are investing in our operations driven solutions to increase efficiency, increase safety and help create customer experiences targeted to the individual.

- Increased decision making frequency.
- Reliable, timely and accurate data.
- A full picture is available rather than multiple sections.



Accelerating ROI from Big Data and AI

Real-time Decision Support

Fast and Reliable platforms for real-time decision support

- Robust and rapid data pipelines
- Reliable, timely and accurate data
- Real time streaming for decision support

Improved ROI

Decrease costs and increase performance

- Experience performance improvements of over 5x
- Cost decreases of up to 60%
- Greater agility through improved turnaround speed.

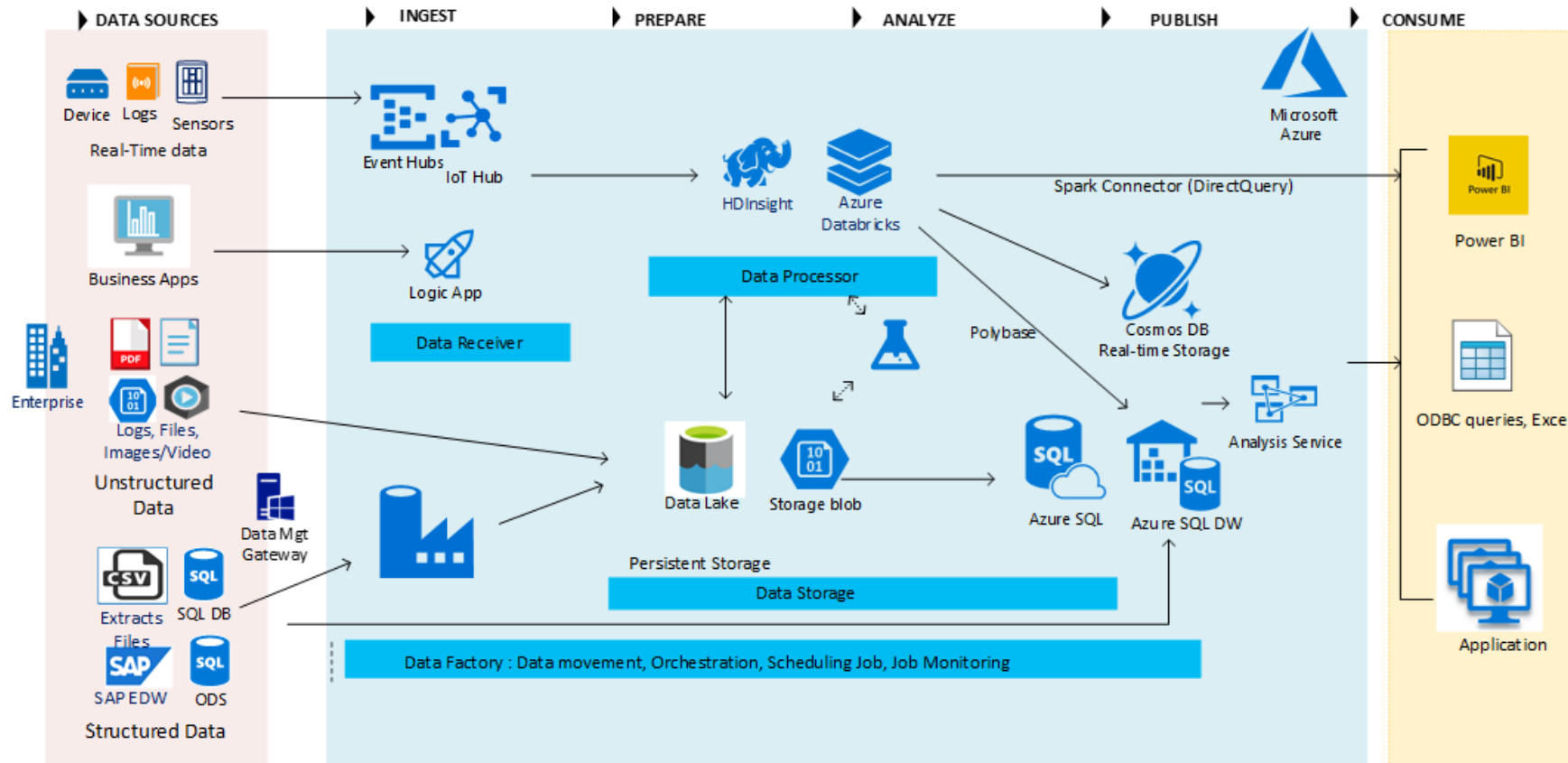
Collaboration that works

Get real returns from your Data Engineers and Scientists

- Best of breed collaboration tools.
- Audit trails to track user actions across entire projects.
- Accelerated time to value

Big Data with Databricks provides you with a purpose built big data pipeline and analytics collaboration capability that enables your analysts and data scientists to surface findings used in real time decision support to truly deliver ROI.

Big Data with Azure Databricks



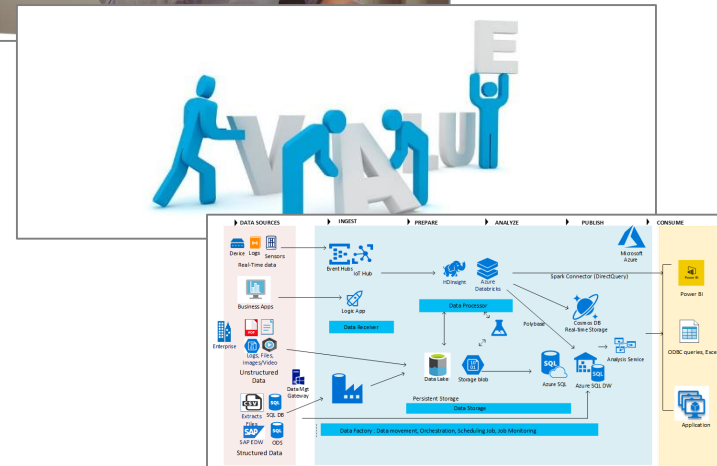
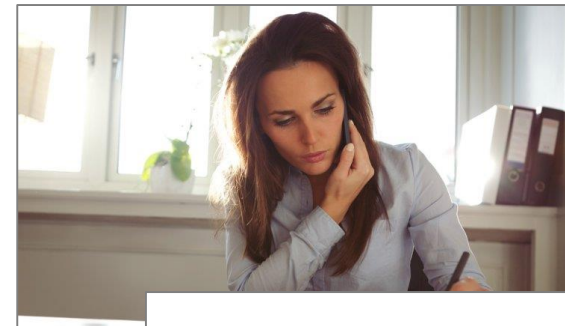
The offer



1. Talk to use about the high level problem you'd like to address.

2. Try it – we run a basic PoC that lasts 2 weeks and costs \$20k.

3. We combine your SCADA data with your ERP data and add a Predictive Maintenance algorithm to show you how it works - \$80k – 6 weeks.



Data & AI: Strategy & Governance

Driving the IoT data strategy to improve building management performance.

Modernising the vision for efficiency through integrating and surfacing insight from significant data assets.

Western Power were undertaking a significant property, fleet and building maintenance system upgrade aligned to some additional major works and relocation of critical infrastructure. Velrada identified an opportunity for major efficiency improvement through combining data from remote devices, existing building management systems and new technology which was being installed in distributed locations. We leveraged a unique blend of IoT, IT/OT, data and integrated operations capabilities to deliver a strategy which truly integrated both business and technical requirements and opportunities.

