

## Case Study

# Transforming Data into Trust: How a Leading Energy Infrastructure Company Achieved 30% Better Data Reliability

## Use Case: Oracle Database Migration to Microsoft Fabric and Ongoing Microsoft Fabric Managed Support



### Business Challenge

A leading global energy infrastructure company focused on safely, reliably, and sustainably delivering energy was operating with significant limitations that hampered their business potential:

- Fragmented, siloed data systems across 26 business units
- On-premises infrastructure unable to handle growing data volumes
- No real-time data capabilities
- Persistent data quality issues that eroded trust

The CIO made improving data accuracy and validity across all business units a top priority for 2024.





## Datavail's Solution

A Datavail implemented a comprehensive data transformation strategy that converted fragmented information into a unified business growth engine. We deployed Microsoft Fabric as a modern cloud platform to accommodate increasing data volumes while dramatically enhancing analytics capabilities.

The transformation established a centralized data lake using OneLake, breaking down silos that had trapped valuable insights within individual business units. Our team implemented Medallion architecture for superior data organization and quality management.

A Power BI Proof of Value demonstrated enhanced insights from energy market pricing trends, showing leadership how better data translates to better business outcomes. Multi-currency support streamlined international operations, while trained data stewards ensured long-term success.



### Business Impacts

- **30% improvement in data reliability** across the organization
- **15-20% boost in analytics capabilities**, enabling deeper market insights
- **Increased trust in data** among users across all business units
- **Faster, more informed decision-making** based on real-time data
- **Scalable foundation** for extending benefits across all 26 business units

