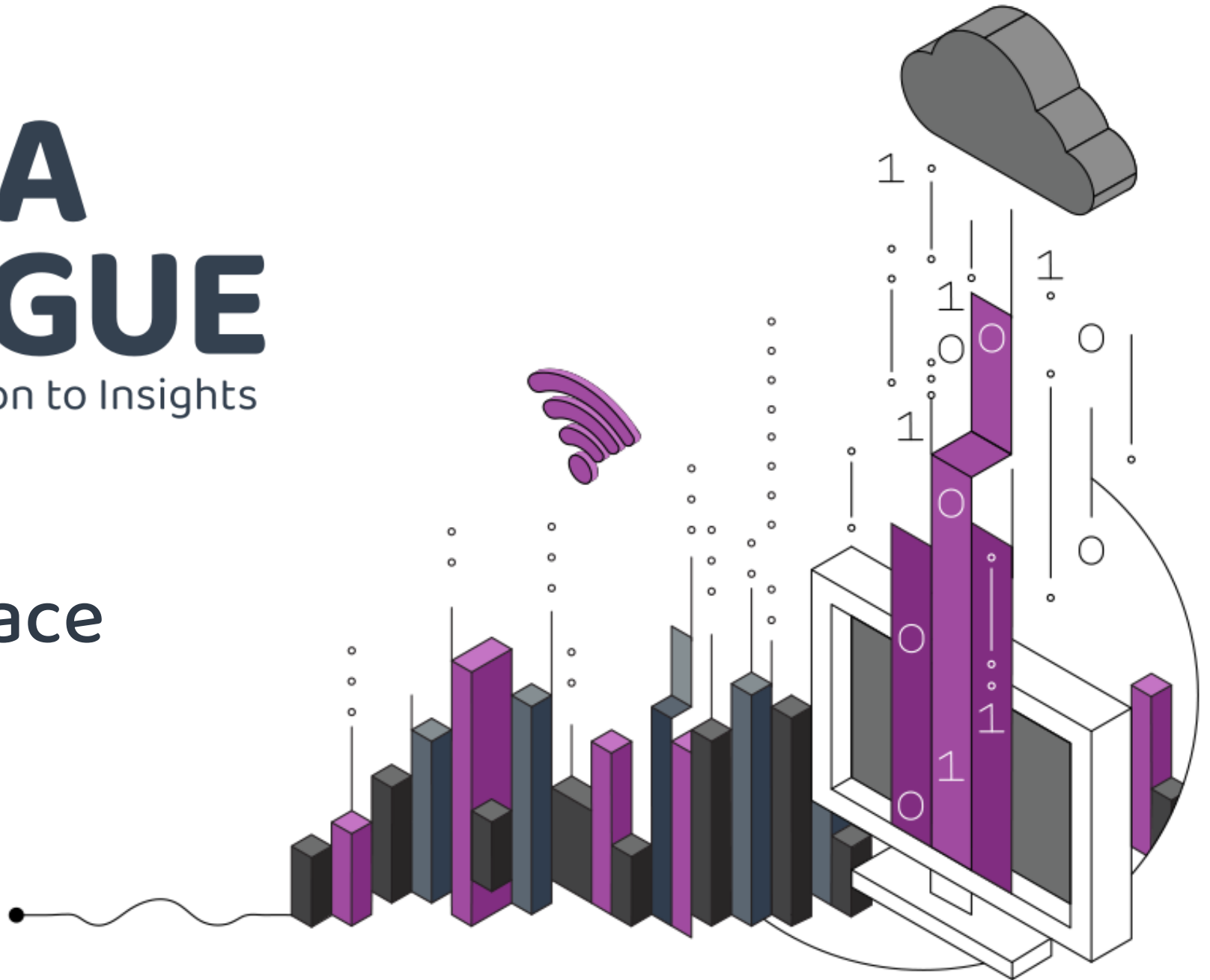




DATA LEAGUE

from Inception to Insights

Reporting Interface
Prototype
Power BI



Intro

The Energy Regulatory Authority is responsible for regulating the electricity and gas markets in their state. They monitor prices, usage, and compliance of energy companies, and make recommendations to the government to ensure fair prices and reliable service for consumers.



Challenges



- ERA previously used multiple excel spreadsheets to track and analyze data from energy companies. This made it difficult for staff to access and make sense of the data and hindered their ability to make informed decisions.
- Each user applying their own version of business rules led to an inconsistent reporting across the organisation.

Solution

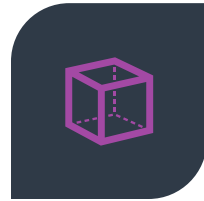
Our team proposed a comprehensive solution to address the challenges and achieve the desired state:

- After a deep learning of the current operational workflow and evaluating the current state of infrastructure, our consultants have designed an efficient data strategy to consolidate and visualize the organisation data.
- Identified all the data sources and applications used by the different sectors. Extracted the data from these sources and applications, cleansed, transformed, centralised the data and ensured that it is in the correct format for Power BI.
- Automated the ingestion process avoiding manual intervention.
- Developed a scalable data model.
- Created a set of interactive reports and dashboards in Power BI replacing static Excel reports.
- Configured roles and delegated access making sure that right user has right access to the data.

Results



Error free reporting interface.



A data model that can handle large amounts of data and support advanced analytics.



Improved data access: staff can now easily access and understand the data they need to make informed decisions.



Enhanced data visualisation: interactive visualisations make it easy to spot patterns and trends, allowing staff to identify areas for improvement.



Increased efficiency: staff can quickly analyze data and make recommendations to the government, improving their ability to regulate the market.



Trained its staff on how to use Power BI, and set up a system for regularly updating the data and dashboards



Through meticulous planning, seamless data source integration, pipeline automation and scalable data models, our consultants successfully implemented an end-to-end reporting interface prototype. The solution has not only enhanced data integrity and efficiency but also provided consistent reporting across business units, ensuring a seamless experience for end-users. Our expertise in data analytics and automation proved pivotal in achieving the client's objectives and driving operational excellence.

For more information on how our data consulting services can help your organisation with similar challenges, please contact us at info@dataleague.com.au.