



# Enterprise Data Cataloguing: The investment in practice

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Strategy, Enterprise Architecture and Data



# Introduction

- Rod Peredo – Data and Analytics Manager at Western Power
  - Strategy, Enterprise Architecture and Data Function
  - Technology and Innovation Business Unit
- I am an IT strategy leader with a background in psychology, bringing a unique perspective on to Data and Analytics. I am passionate about the design and delivery socio-technical systems for exceptional business outcomes, with a keen focus on human behaviour and cognition.
- Western Power deals with Transmission and Distribution of Energy (not generation or retail)
  - Supporting 2.3 million customers, Western Power builds, maintains and operates the electricity network in the south-west corner of Western Australia.
- *This means a lot of data...*



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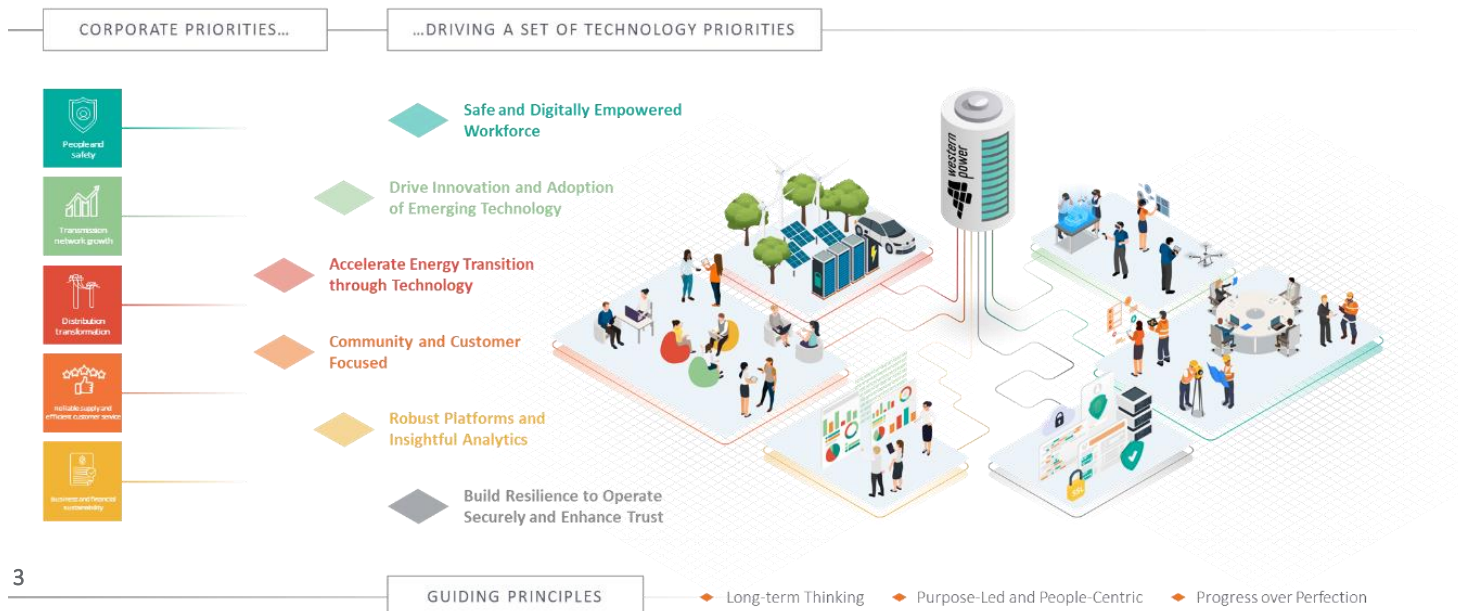
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# Our Data and Analytics Strategy – *Getting Meshy*

- Our Data and Analytics Strategy aligns to our Technology Strategy in that we are providing Robust Platforms and Insightful Analytics

## OUR TECHNOLOGY VISION

Modernising to a digital utility, accelerating the energy transition through harnessing technology and empowering our workforce, creating a cleaner energy future.



# Our Data & Analytics Strategy (2025 – 2029)

## OUR VISION

Western Power maximises value from data using advanced analytics with trusted data products. Data is owned and managed by business domains and is embedded in everything we do, supported by reliable data platforms and guided by an adaptable and proactive team of data specialists.

## PRIORITIES



Set the guardrails for excellence and self-service



Build secure and reliable data platforms



Embed data capabilities for speed to insight



Empower the successful use of data in the business

## PILLARS

Data Strategy, Governance & Architecture

Data Platforms & Integration

Data Engineering & Analytics

## ENTERPRISE CAPABILITIES

- Data Strategy
- Data & AI Governance
- Data Operating Model
- Architecture Management
- Data Program Management

- Technology Enablement
- Data Lifecycle Management
- Master Data Management
- AI & Data Operations

- Analytics & Intelligence Delivery
- AI Delivery
- AI & Data Operations
- Data Education & Adoption

## OUR VALUE PROPOSITION

- Provide strategic direction for Data & Analytics at Western Power
- Set the governing standards and architecture
- Coach, Advise and Support the secure, responsible and successful use of Data & Analytics
- Deliver data capability uplift and transformation programs

- Establish, maintain and continuously optimise our Data, Analytics and GIS Platforms including integrations and pipelines
- Provide support for our D&A tools and platforms
- Support management of our Data Infrastructure and Storage (Cloud & On-Prem)

- Deliver Analytics & Business Intelligence, focusing on high-value and advanced use-cases
- Conduct Data Science & Data Engineering
- Identify, manage and publish Western Power's Data Products

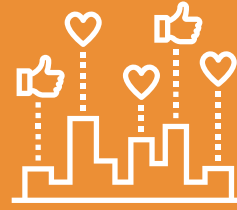
# The Data Catalogue Investment



Foundational  
benefits:



Data visibility and  
re-use



Shared language  
and context



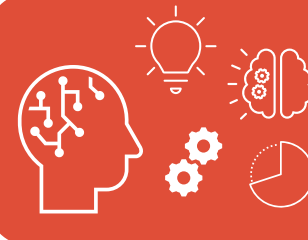
Trust and data  
quality



Ownership and  
accountability



Secure access and  
policy enforcement



AI and analytics  
readiness

# The True Investment

**Business Can See**  
(above the  
waterline)

**Business Can Feel**  
(below the  
waterline)



## Visible

- Software licenses
- Data object costs
- Infrastructure
- Implementation costs
- Application and platform support costs

## Less Visible Costs

- Data curation efforts
- Process alignment
- Integration work and maintenance
- Object allocation or ongoing rise on opex
- Data literacy campaigning

## The Vibe [Costs]

- Funding and ownership
- Constant reinvestment and flying the flag (measuring)
- Ownership and stewardship efforts
- Constant change management and habit formation

# So why do it?

What we value in our business today  
and in the next 5 years?

Speed to  
outcome

Knowledge  
management

Risk  
management

Reuse

Data within a  
bounded  
context

Data &  
analytics  
delivered in  
time

Knowing our  
data & having  
it persist as  
an asset

Ensuring we  
can continue  
to leverage  
our data over  
time

Getting full  
value out of  
our data  
products

Data  
products  
delivered by  
domain  
experts



# Take Aways: Its never set and forget

A data catalogue is an essential to a strong Data and Analytics Environment

- Data management is so much more about People and Culture (language) than it is about facts and figures

Work can't be destroyed

- You can almost never eliminate work; you can only make it changes shape

Self-serve is a necessity

- Self-Service and Self-Management is a bug we are turning into a feature

Data cataloguing is a significant investment

- You are not trying to boil the ocean, but you are trying to raise its temperature quite a lot





# Thank you for your time and attention

*Feel free to contact me if you would like to connect*

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