

# Experiences with SAP datasphere and SAP analytics cloud

We acknowledge the traditional custodians of the country where we work and pay our respect to elders past present and emerging

- Poles and wires electricity business
  - 47,000km of lines (Sydney to London and back)
  - Servicing over 1.1m households or 2.7m people
  - Over an area of 24,000km<sup>2</sup>
- \$6.2 billion in infrastructure
- Committed to powering communities for a brighter future



# Our data journey





**Why is self service and engagement so important?**



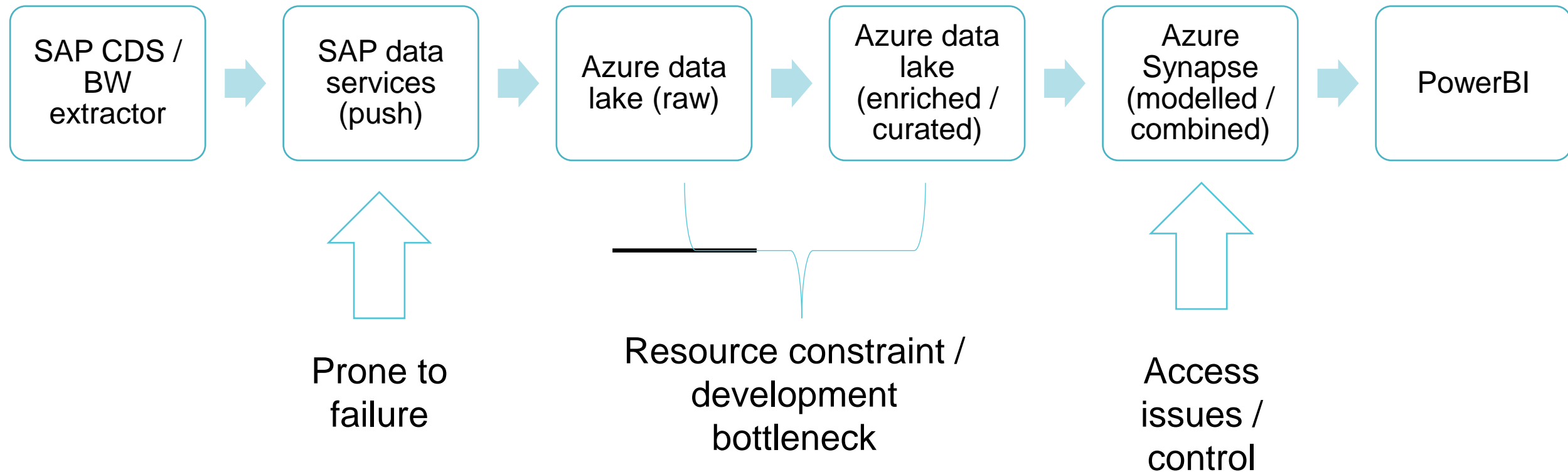
# Why do we want the datasphere



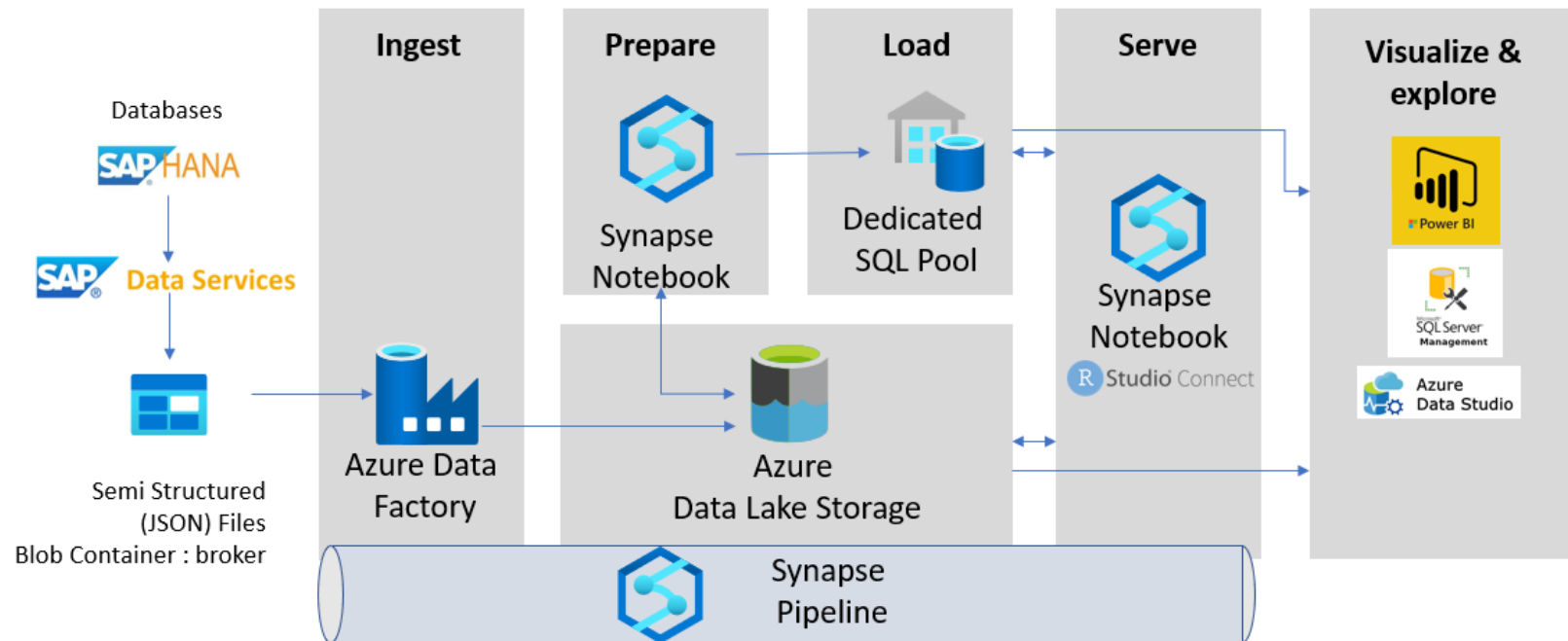
# Current State



# Our current methodology for insights from SAP data



# Alternate (complex, costly and time consuming) path





# Evaluation and the need to change

## The good

- The platform (especially PowerBI) is familiar and widely used
- The Enterprise Data Platform (EDP – Azure solution) enables cross data source analytics
- Common data for visualisation, data science and ad hoc investigations

## The bad

- Upkeep is resource intensive for development and increasingly for ops
- Access control and enablement needs to be managed
- Cost for data replication

## The pathway to change

1

- High level evaluation

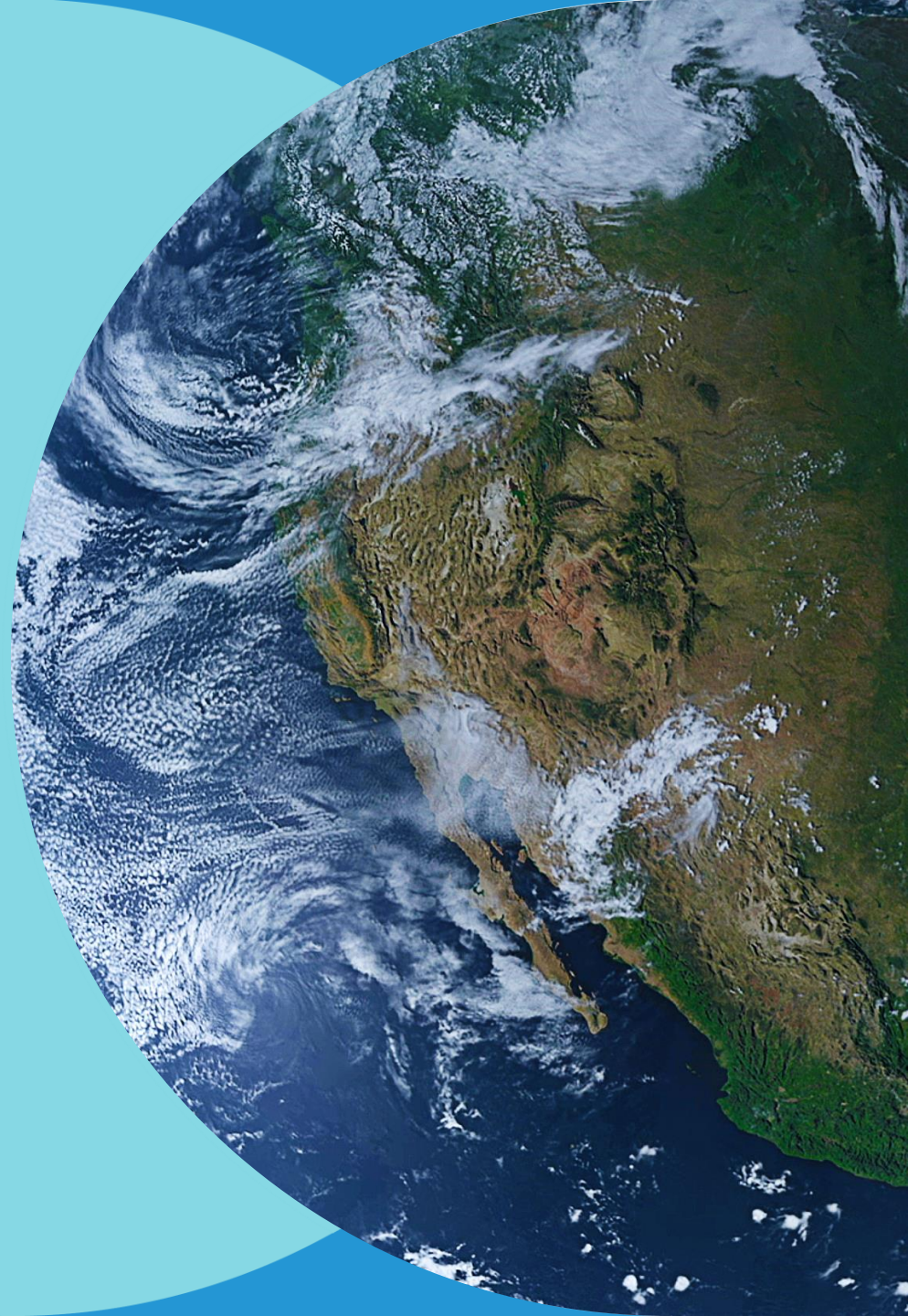
2

- Pilot (low risk, lets just do it)

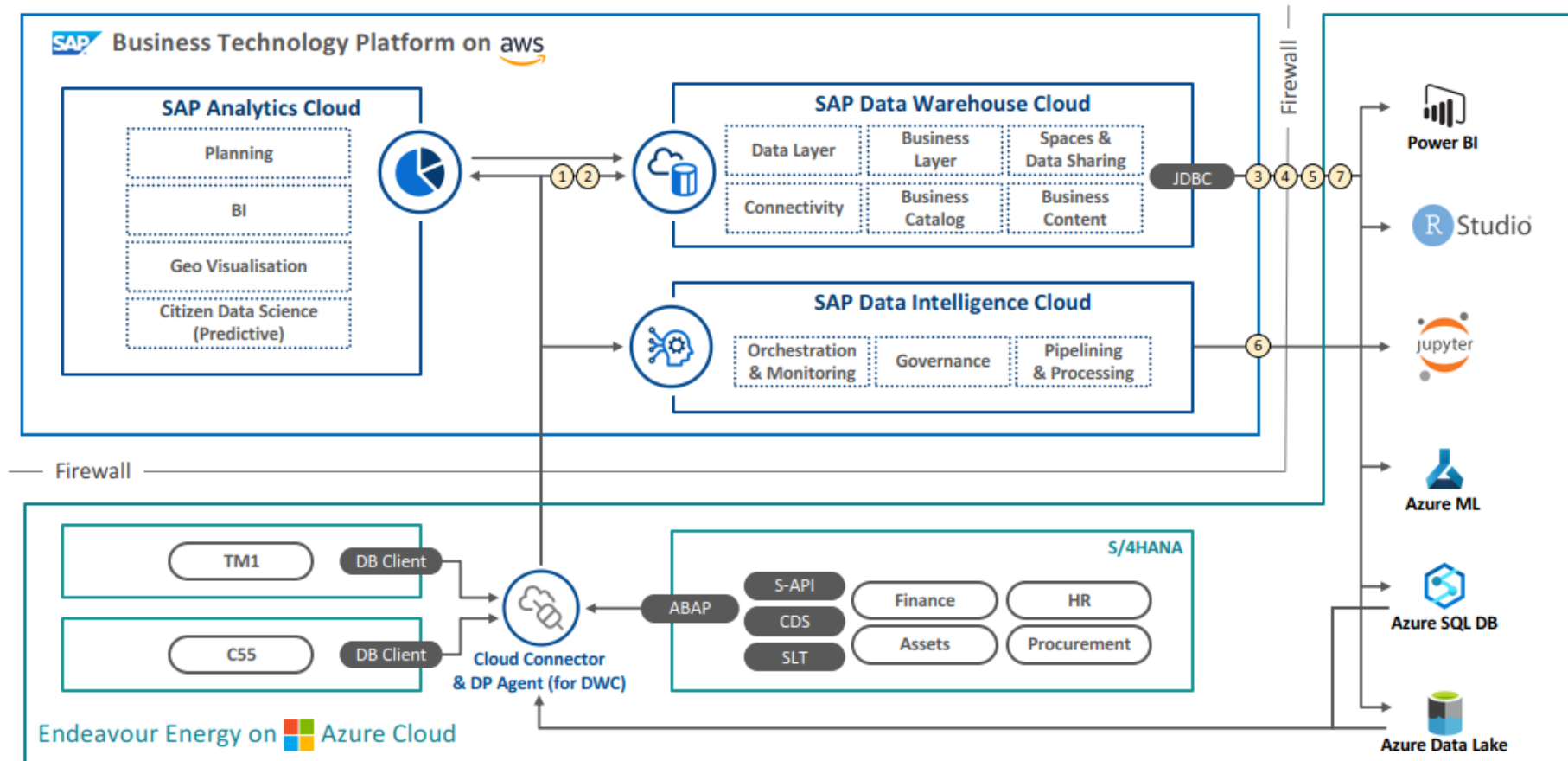
3

- Re-evaluation decision point

# The DATASPHERE



# How are we implementing it



## Key features

- Full catalogue of views + metadata linkages
- Linkage with PowerBI and Data Science (full transparency)
- Datasphere sourced direct (CDS) and with BW bridge prebuilt content
- Common data sourcing layer with multiple personas services in the consumption layer

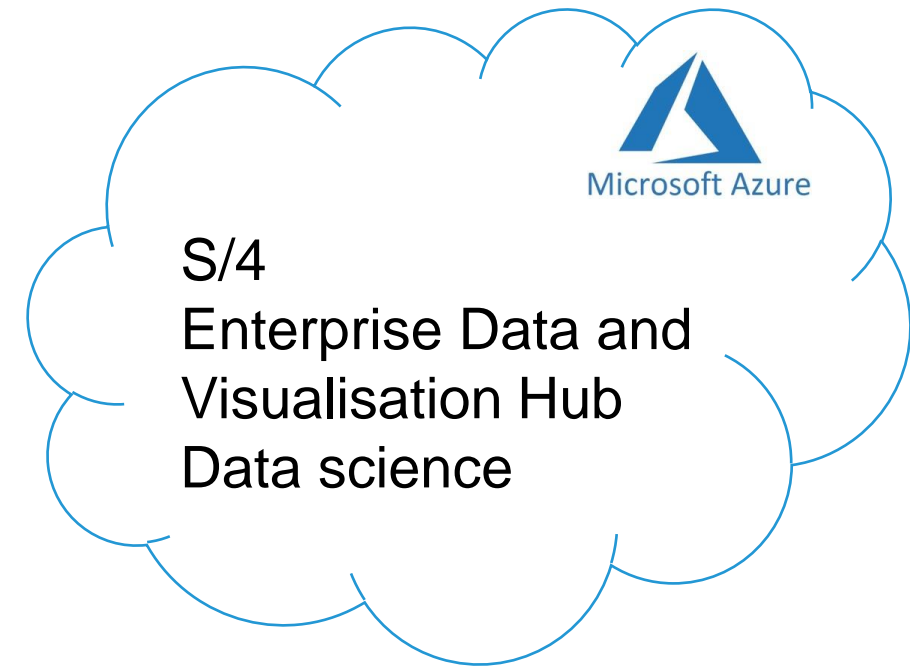


# Hybrid cloud and SAP



**Cost**  
(data transfer, duplication)  
**Complexity**  
(end user, upkeep)  
**Vs**

**Best in breed**  
(optimal solution,  
enhanced capability)



On premise systems incl. TM1 (financial reporting), applications and OT network

# What are the opportunities

## Procurement

Enhanced supplier tracking reporting

Materials management and forecasting

## ISU

Customer characterisation including retailer reports

Demand profiling

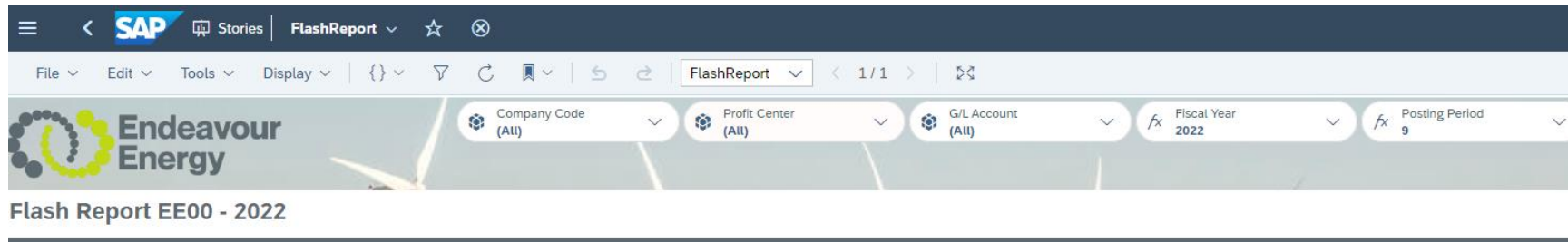
Dynamic analytical views across assets,  
finance, HR use cases

Self service

# Results

# What are the early results

1. SAC pilot was a technical success, not a business one
2. Deployment of datasphere is not without technical challenges. Deployment is successful so far





# We are in a transition period

⋮



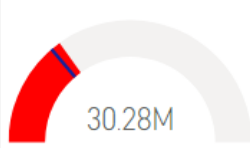
## Profit Center

- ☐ 1026
- ☒ 1032
- ☐ 1037
- ☐ 1103
- ☐ 1104

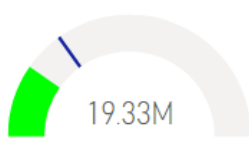
## Fiscal Month

- ☒ 2022
- ☒ January
- ☐ February
- ☐ March
- ☐ Anril

## Revenue



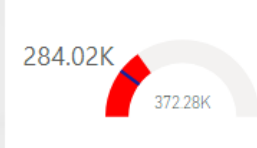
## Expense



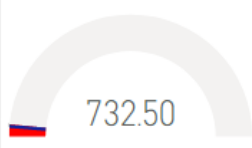
## EBIDTA



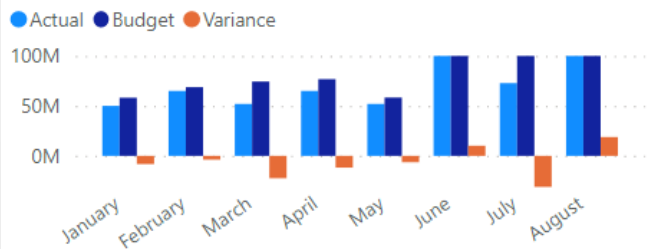
## Capital Contribution



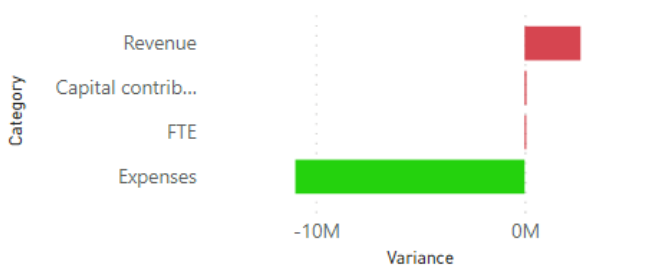
## FTE



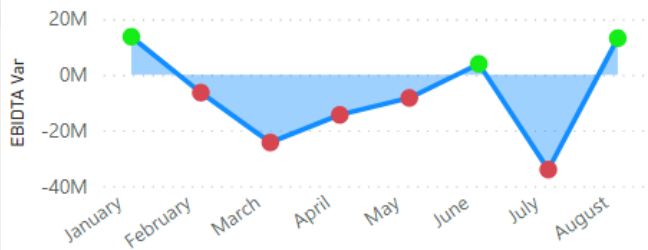
## Actual Vs Budget Monthly Trend



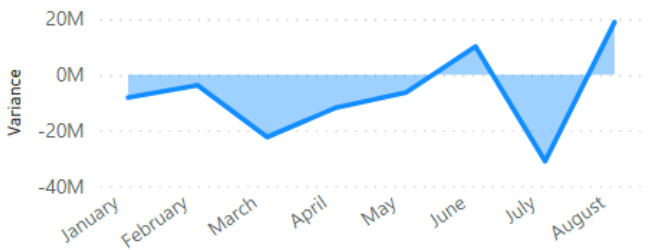
## Variance by Cost Element



## EBIDTA Variance Monthly Trend



## Variance Monthly Trend



Category	Actual	Budget	Variance %
<b>Capital contributions</b>	<b>0.37M</b>	<b>0.28M</b>	<b>31.07%</b>
Capital contributions	0.37M	0.28M	31.07%
<b>FTE</b>	<b>0.00M</b>	<b>0.00M</b>	<b>17.35%</b>
Agency	0.00M	0.00M	69.27%
Employee	0.00M	0.00M	15.70%
<b>Revenue</b>	<b>30.28M</b>	<b>27.60M</b>	<b>9.70%</b>
Other operating income	20.15M	17.47M	15.34%
Sale of assets	0.66M	0.00M	
Regulated Revenue	9.47M	10.13M	-6.53%
<b>Expenses</b>	<b>19.33M</b>	<b>30.30M</b>	<b>-36.21%</b>
<b>Total</b>	<b>49.98M</b>	<b>58.19M</b>	<b>-14.10%</b>

# What are the opportunities

## **Procurement**

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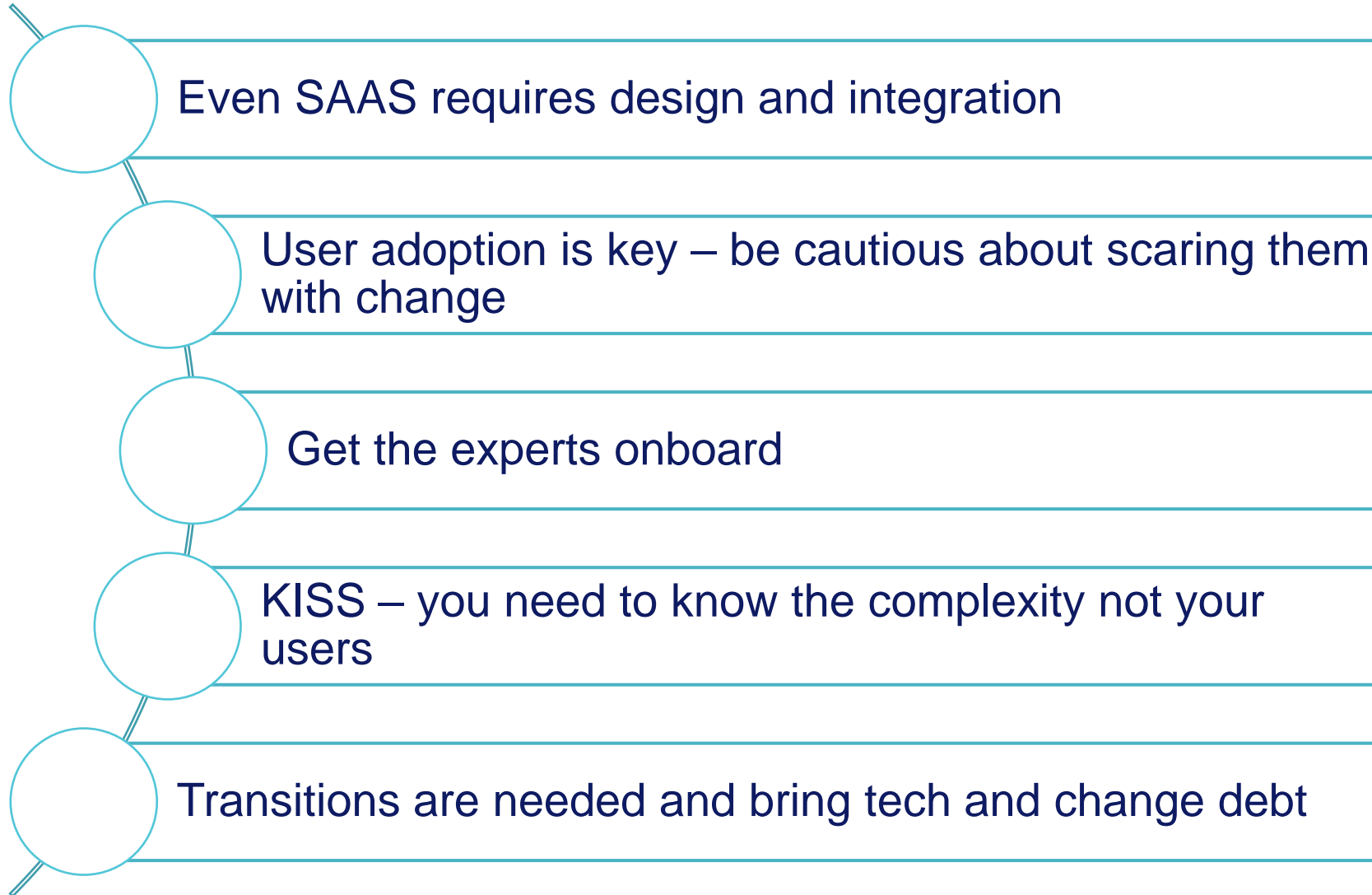
## **ISU**

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Demand profiling

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# Lessons learnt





**Endeavour  
Energy**

**POWER**  
together