



# Bayanatona

## The Decision Support Unit

Budling a Single Point of Truth Using  
Intelligent Enterprise Data Management

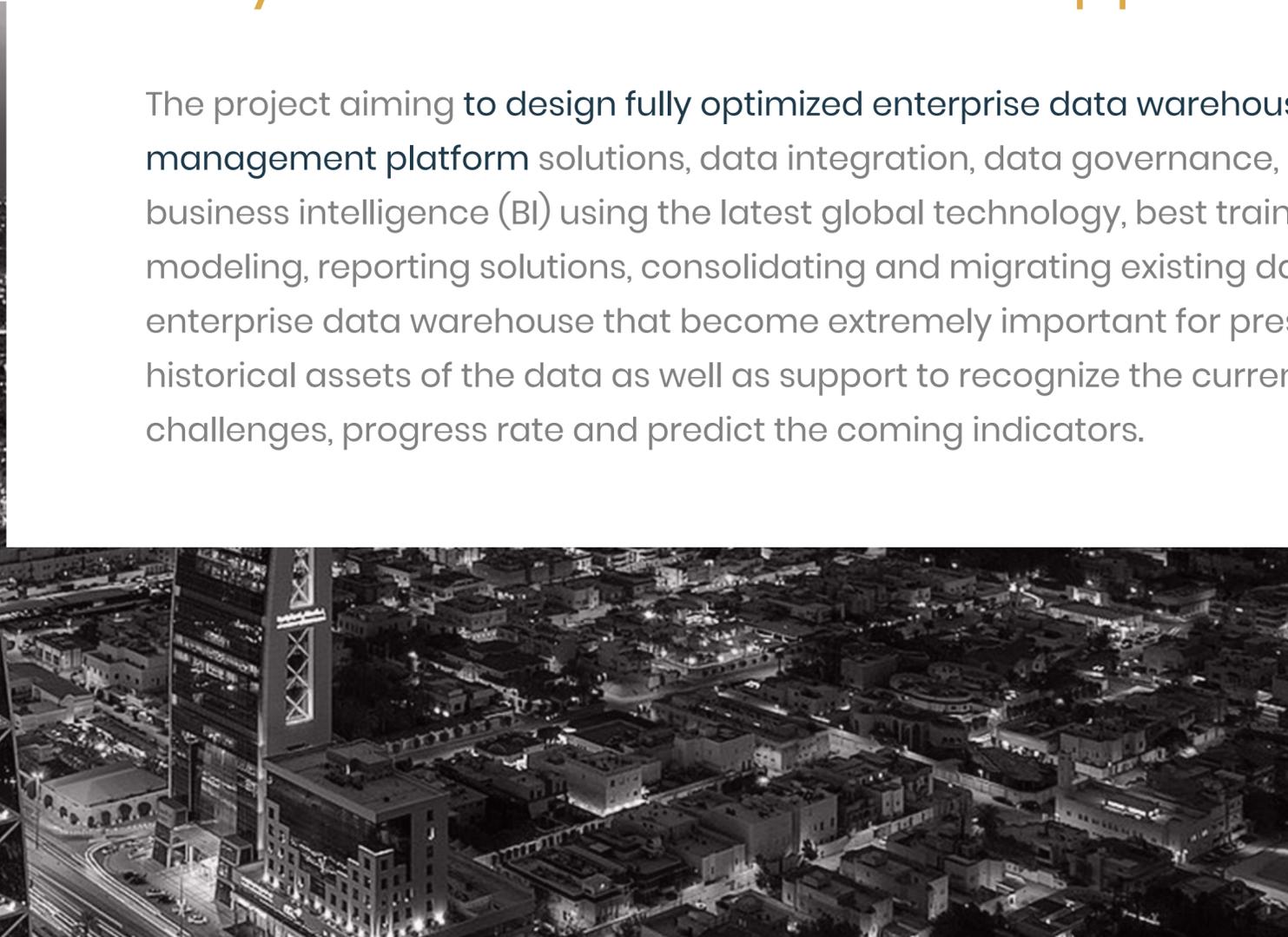
Case Study | 2021

# Project Background



As part of Kingdom of Saudi Arabia's strategy towards the 2030 vision, the Ministry of Housing has launched **“Bayanatona: The Decision Support Unit.”**

The project aiming to design fully optimized enterprise data warehouse data management platform solutions, data integration, data governance, and business intelligence (BI) using the latest global technology, best training in data modeling, reporting solutions, consolidating and migrating existing data into an enterprise data warehouse that become extremely important for preserving the historical assets of the data as well as support to recognize the current challenges, progress rate and predict the coming indicators.



# Main Project Objectives

1

Design a single point of truth

2

Establish a data governance framework

3

Data Stewardship establishment for data sources

4

Build data assets inventory

5

Identify business data products

6

Build dashboards

7

PoC for business data products

A sepia-toned photograph of a business meeting. Several people in suits are gathered around a table, looking at a laptop screen. Their hands are visible, pointing at the screen. The image is overlaid with a semi-transparent brown filter. Two vertical white lines are positioned above and below the text.

# **SOLUTION & APPROACH**

# A Proven Consulting Methodology



## SOLUTION & APPROACH



## Set-up a Decision Support Unit (DSU)

A new business unit was established to be responsible for aligning data governance and data strategy with the overall ministry's strategy and act as the single point of contact with respect to data with external parties (regulators, government, national security teams, etc.)

# An integrated data modernization approach



## SOLUTION & APPROACH

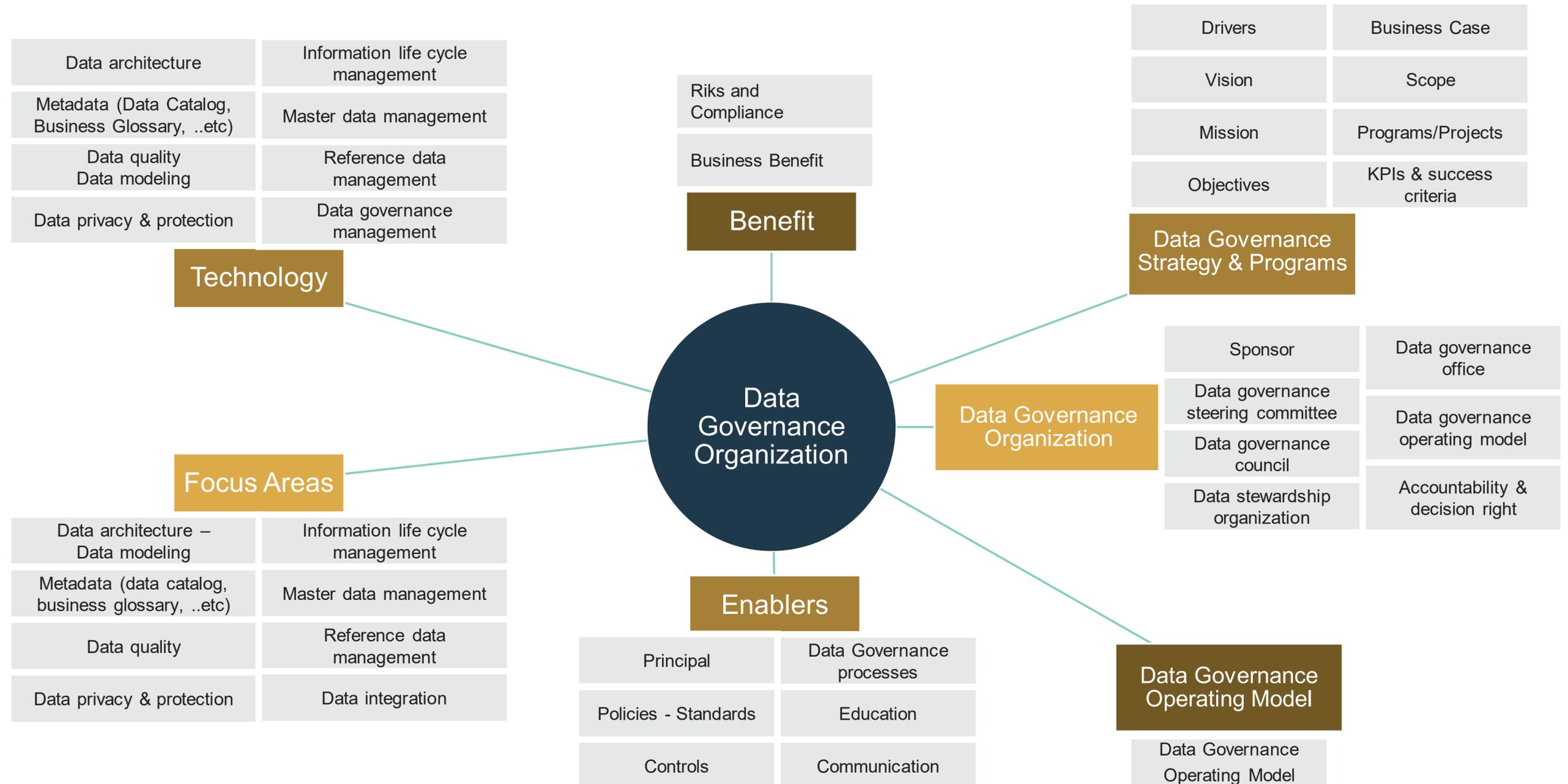


# Data Governance Framework

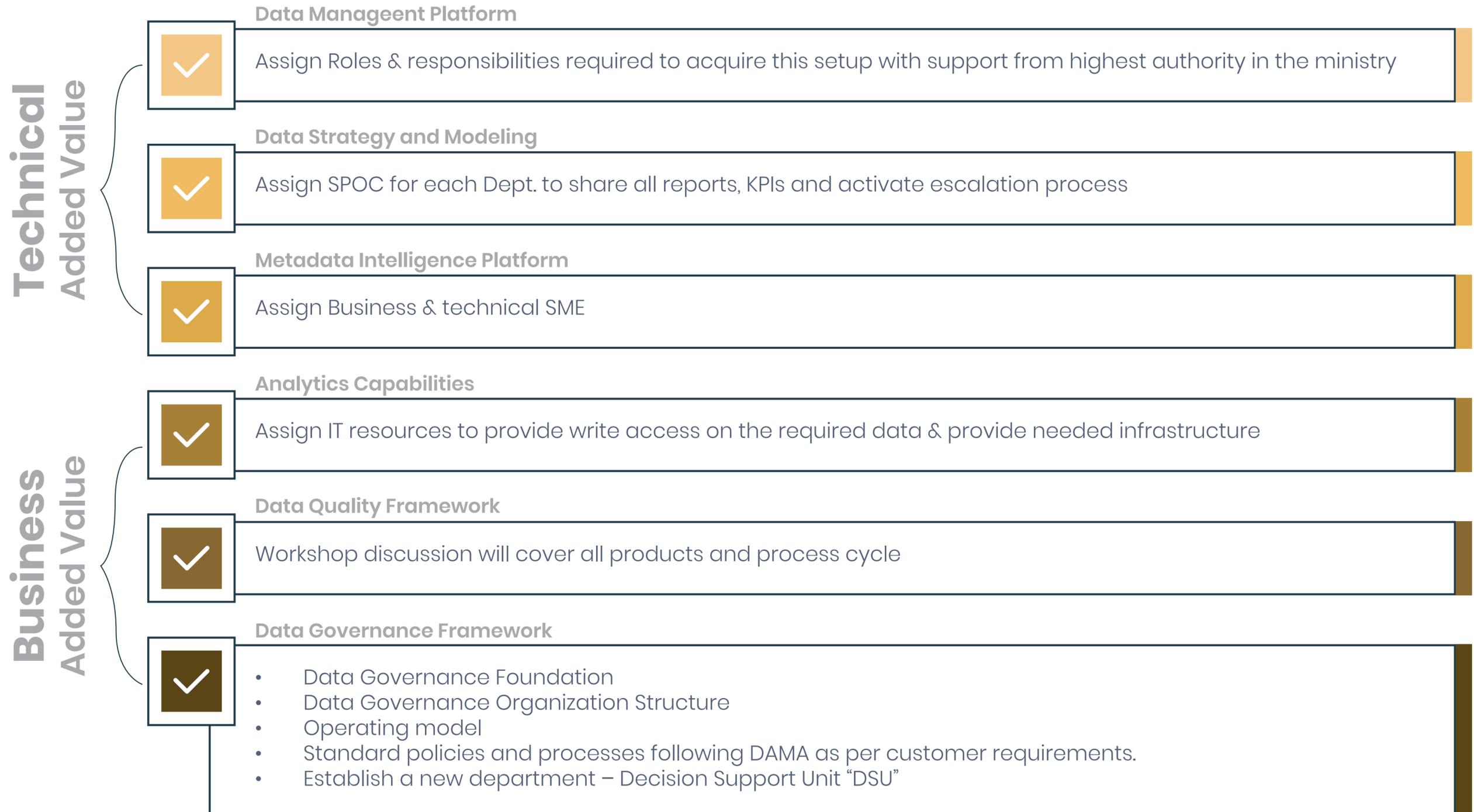
A set of components and practices that constitutes a way of delivering data governance. It provided clarity about DG initiative, easy to communicate and it is a way to keep focus on bringing success and value to the organization.



## SOLUTION & APPROACH



# Technical and business benefits



# CHALLENGES

1

Large and diverse client team: conducted business analysis and requirements gathering from

**16**  
departments

2

Studied, validated, assessed, proposed and confirmed

**729**  
business terms

and

**861**  
KIPs

across

**+25**  
source systems

of structured, semi-structured and unstructured data.

3

Tight project schedule

# BBI

## Advantages





# ABOUT MoH

The Ministry of Housing is a cabinet-level government ministry in Saudi Arabia was established in 2011 by a royal decree and responsible for the supervision of the housing in the Kingdom.

The Ministry also stimulate the development of housing products and supplying real estate

[www.housing.sa](http://www.housing.sa)

 /SaudiHousing

# ABOUT BBI



Founded in 2009, BBI is a global information technology consultancy firm serving enterprise businesses in a diverse range of industries.

From digital strategies to applications services to big data management and analytics, we've worked with our clients to survive today's business disruptions by providing them data driven digital transformation solutions that really make the change happen.