



Data Maturity & AI Assessment

Introduction

Effective **architecture and design** are critical to the successful delivery of **business change**, **cloud adoption** and **digital transformation** across the public sector. Mosaic Island provides a suite of **design-led consulting services** that support public sector organisations in planning, shaping and delivering complex change in a controlled, proportionate and outcome-focused manner.

Our services support organisations across the full change lifecycle, from **strategy and enterprise architecture** through **enterprise solution architecture**, **solution architecture** and **data architecture**, to **delivery management**, **assurance** and **recovery**. We help ensure that architectural decisions, delivery governance and operating models are aligned to organisational objectives, statutory obligations and service outcomes.

Our approach is collaborative, pragmatic and flexible. We work *with you, not to you*, tailoring our services to organisational context, maturity and delivery environment. Services can be engaged individually or combined to provide end-to-end support across **cloud migration**, **digital service delivery**, **business change** and **large-scale technology programmes**.

Our services are grounded in extensive real-world experience across the private and public sectors, and across a range of delivery models including **agile**, **waterfall** and **hybrid**. We adapt our approach to support effective governance, assurance and value for money, helping organisations manage risk while delivering sustainable change.

Our focus is on practical delivery. We support informed decision-making, reduce delivery risk and help organisations design and deliver solutions that are fit for purpose, secure and capable of evolving over time.

Service Overview

Mosaic Island's **Data Maturity & AI Readiness Assessment** service helps organisations understand the current maturity of their **data and analytics capability** and assess readiness for the **safe, effective and responsible use of Artificial Intelligence (AI)**. The service establishes a clear baseline to support **data strategy**, **AI strategy**, **data architecture** and **operating model** improvement.

The service supports organisations planning **cloud adoption**, **digital transformation**, **data-enabled change** or the introduction of **AI and advanced analytics**. It provides an objective view of strengths, gaps, risks and priorities across both data foundations and AI enablement.

The assessment can be delivered as a standalone engagement or as part of a wider **data strategy**, **AI strategy** or **data governance** programme.



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Our Approach

Our approach is structured, pragmatic and collaborative. We work *with you, not to you*, engaging business, data, digital and technology stakeholders to understand how data and analytics are governed, managed and used in practice, and how AI is currently being considered or applied.

The assessment uses **TOGAF®** and **DAMA** as qualitative reference frameworks for data maturity, complemented by recognised **AI governance and readiness principles** covering ethics, risk, transparency and operational control. We assess both **technical capability** and **organisational readiness**, ensuring recommendations are proportionate and aligned to public sector context.

The outcome is a clear, realistic roadmap for improving data capability and enabling AI safely and effectively, aligned to organisational priorities, delivery capacity and risk appetite.

Strategic Focus Areas

The Data Maturity Assessment service typically focuses on:

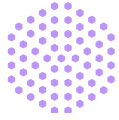
- **Data maturity and capability assessment**
- **AI readiness and enablement assessment**
- **Data architecture and operating model readiness**
- **Data governance, decision rights and accountability**
- **AI governance, ethics and risk management**
- **Alignment with data strategy, AI strategy and business objectives**
- **Support for cloud, digital and AI-enabled transformation**
- **Readiness for analytics, BI, machine learning and AI use cases**

These focus areas ensure data capability supports both **strategic objectives** and **delivery execution**.

Service Features

The Data Maturity & AI Readiness Assessment service may include:

- Assessment of **data architecture processes, roles and artefacts** against leading frameworks
- Review of **data governance and organisational structures**, with defined improvement actions
- Assessment of **current and future state data capability**, including analytics and AI enablement
- Evaluation of **AI readiness**, including data quality, skills, tooling, governance and controls
- Identification of key **data and AI artefacts**, their maturity and required corrective actions
- Identification of appropriate **business information models, conceptual data models** and AI-relevant data assets
- Review of candidate **AI and advanced analytics use cases** and dependencies



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- Development of an **actionable implementation roadmap** and transition plan

Scope and depth are agreed per engagement.

Service Benefits

This service enables organisations to:

- Establish a clear baseline for **data and AI maturity improvement**
- Understand readiness, risks and dependencies for adopting **AI responsibly**
- Create a practical roadmap aligned to organisational priorities and delivery capacity
- Adopt data and AI architecture approaches based on **best practice and standards**
- Achieve clearer definition of data assets critical to AI and analytics
- Improve predictability of delivery and reduce long-term **total cost of ownership (TCO)**
- Increase confidence in delivering data and AI strategy outcomes

Typical Outcomes

- A clear understanding of current **data maturity and AI readiness**
- Identified gaps, risks and improvement opportunities
- A defined target state for data capability and AI enablement
- A prioritised, practical improvement roadmap
- Improved readiness for **cloud, data-driven and AI-enabled transformation**

Why Mosaic Island

Mosaic Island is **independent, technology-agnostic** and experienced in assessing and evolving **data, analytics and AI capabilities** in complex **public sector and regulated environments**. We focus on practical, achievable improvements that enable innovation while maintaining appropriate governance, assurance and control.