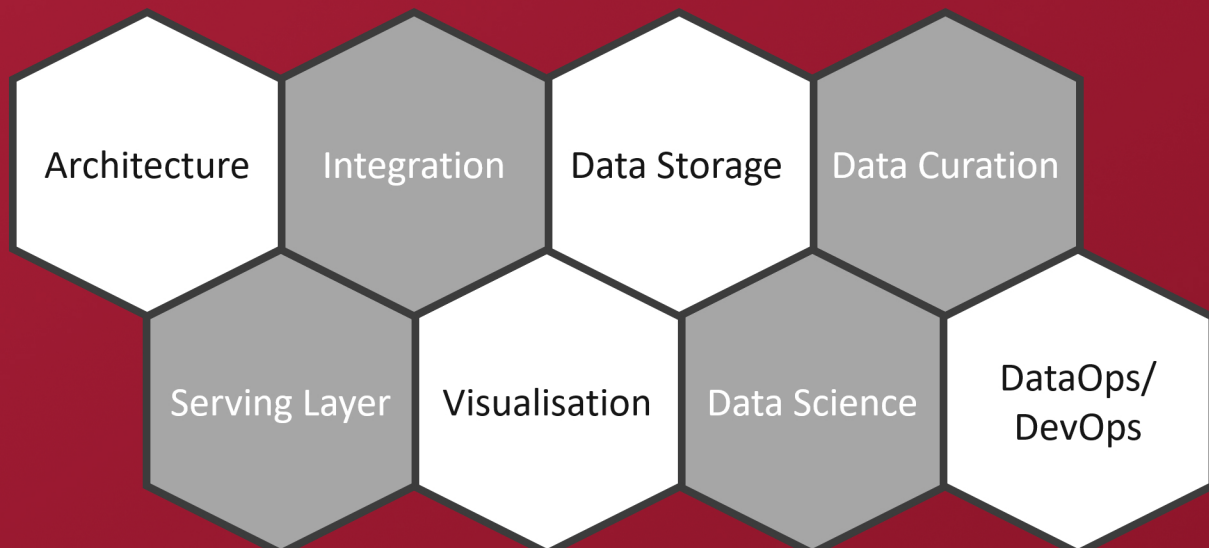# DATA LAKEHOUSE ARCHITECTURE REVIEW

Advancing Analytics have deployed over 20 Data Lakehouses and we want to share our experineces to make sure your Lakehouse is a success!

Advancing Analytics have developed a Data Platform Auditing Framework which consists of matrix of architecture considerations, which are explored via a series of targeted workshops. Throughout each workshop, we will assemble a series of features, requirements and pain points that will be used to generate a series of immediate actions and longer-term initiatives. We then map these recommendations to a higher-level roadmap.

Our review approach is aimed to not just achieve a technical goal but ensure that a new platform is adopted by your business. Did you know that 85% of analytics projects fail? We have perfected the Data Lakehouse to ensure that yours does not fail! To achieve this, we look past the hype and focus on People, Process and Technology. Understanding each of these competing priorities is key to building a platform which is both technically advanced and adopted to drive better decisions.

We focus on the following key areas

Architecture   Integration   Data Storage   Data Curation

Serving Layer   Visualisation   Data Science   DataOps/ DevOps

Our Review In Detail

Platform Understanding
Kick-off, Architecture Review & Deep Dive on the analytical structure of your organisation

Data Curation
DataOps/DevOps, Data Models and Data curation, Data Serving approach and Reporting

Recommendations
Write up, recommendations, Roadmap and playback of findings

Data Engineering
Data Lakehouse engineering process, Security, Maintenance + Management, Data Sharing, and future vision for organisational analytics

Data Science
Existing Data Science Process, Review Models & Solutions, Model Management & Experiment processes + MLOps

PEOPLE

Who is building the platform and what are their skills? Are Data Science empowered to ask more from the data? What personas are enabled by the platform? Who will support the platform long-term?

Do you have the skills to maintain it?

PROCESS

What makes your personas more efficient? What Data Lakehouse design patterns have been used? How is data secured, processed, cleansed, harmonised and most importantly accessed?

Is it designed right?

TECHNOLOGY

Have you made the right technology choices? What underpins the Data Lakehouse? Is it suitable for the future, does it support Traditional Advanced Analytics and Machine Learning?

Is it built for the future?

Advancing Analytics will provide consultancy advice and a recommendations document, coupled with a playback session and high-level strategic roadmap. Throughout each workshop, we will assemble a series of features, requirements and pain points that will be used to generate a series of immediate actions and longer-term initiatives. We then map these recommendations to a higher-level roadmap.

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