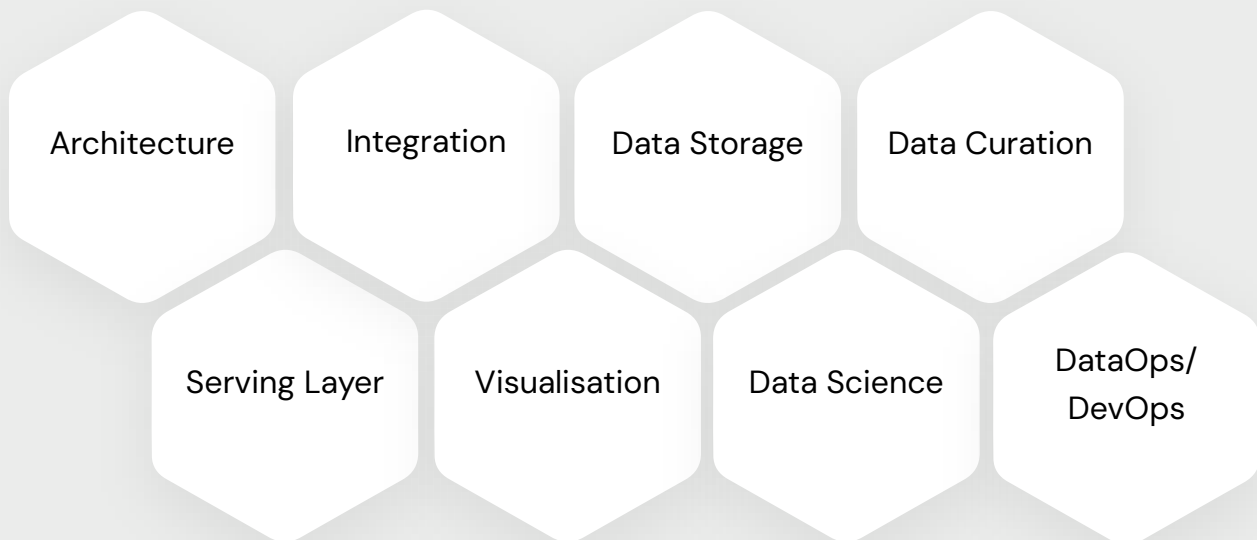# Data Lakehouse
Architecture Review

Advancing Analytics have deployed over 20 Data Lakehouses – we want to share our experiences to make sure yours is a success!

We've 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.

We focus on the following key areas:

- Architecture
- Integration
- Data Storage
- Data Curation
- Serving Layer
- Visualisation
- Data Science
- DataOps/ DevOps

Platform Understanding
Kick-off, architecture review & deep dive on the analytics structure of your organisation.

Data Curation
DataOps/Devops, data models and curation, data serving approach and reporting.

Recommendations
Review, write-up, recommendations & roadmap, and playback of findings.

Data Engineering
Data Lakehouse engineering process, security, maintenance & management, data sharing, and the future vision for organisational analytics.

Data Science
Existing data science process, review models & solutions, model management and experiment process, and MLOps.

Our Review in Detail

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.
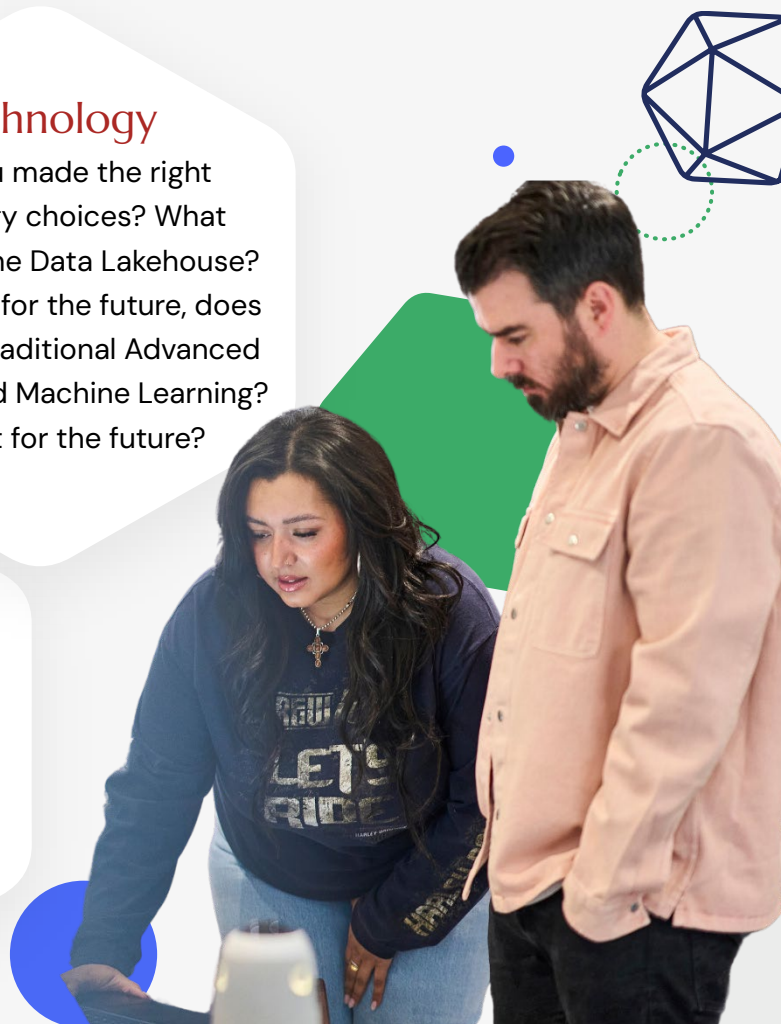
People

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?

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?

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?

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.

Ready to dive into an Architecture Review or after some more information? Contact us at hello@advancinganalytics.co.uk