

# BJSS & MLOPS

## BENEFITS OF MLOPS

Organisations that deploy AI and machine learning have improved their profits by up to **15%**. But **85% of projects don't** make into production. This is often caused by a lack of data availability and quality, operational and technical silos and an inability to demonstrate and explain your models' accuracy. MLOps overcomes these challenges through a reliable & repeatable method that quickly deploys models in **weeks rather than months!**



**Repeatable Processes**



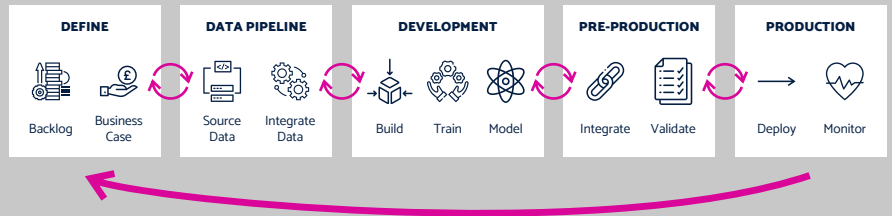
**Reduced Time to Value Creation**



**Increased Return on Investment**

## MLOPS PRINCIPLES

MLOps is DevOps applied to data science and machine learning. It is a holistic approach to designing, experimenting, developing, deploying and managing ML models with a one-team ethos and a goal to reduce operational costs while maximising opportunities.



## OUR MLOPS SERVICES

We support you through every phase of your MLOps journey, regardless of your current maturity level.



### ADVISE

MLOps Assessment and Strategy

We provide a four-week assessment of your MLOps readiness and maturity utilising our proven framework. We then issue tailored recommendations based on your unique circumstances.

We also provide further strategic advice to support your MLOps strategy, technology selection, roadmap, operating model, change assessment and governance.



### BUILD

MLOps Platform Delivery and Transformation

Following a steel-thread approach, we work with your team to select or develop a machine learning model and deploy it while building an MLOps platform containing the required tools and capabilities.

We collaborate closely and work in hybrid teams where possible so expect your colleagues to learn by doing.



### RUN

Data Science as a Service

We have strong experience supporting clients through MLOps transformations and help you bridge the traditional skills gap, enabling you to create a mature data science capability which delivers long term value.

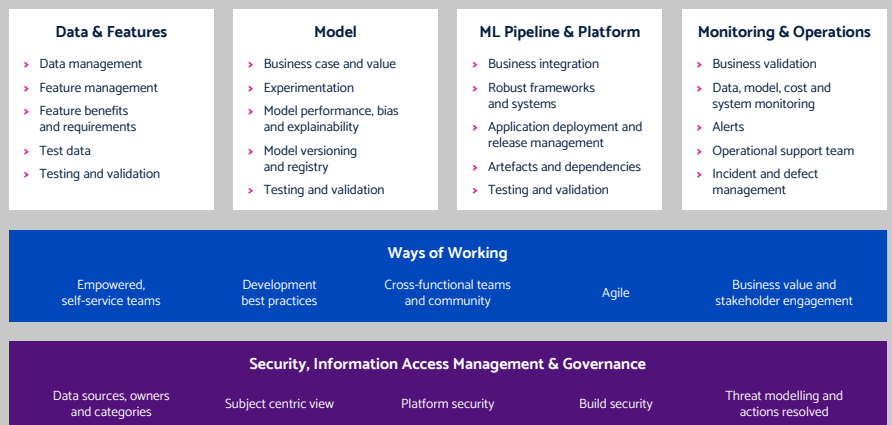
Once your MLOps model and platform have been deployed, we work with you to ensure they are continuously improved and your data models are kept up to date.

## MLOPS ASSESSMENT

Gain a detailed picture of your current MLOps capabilities and concrete recommendations to reach your aspirations through our MLOps assessment.

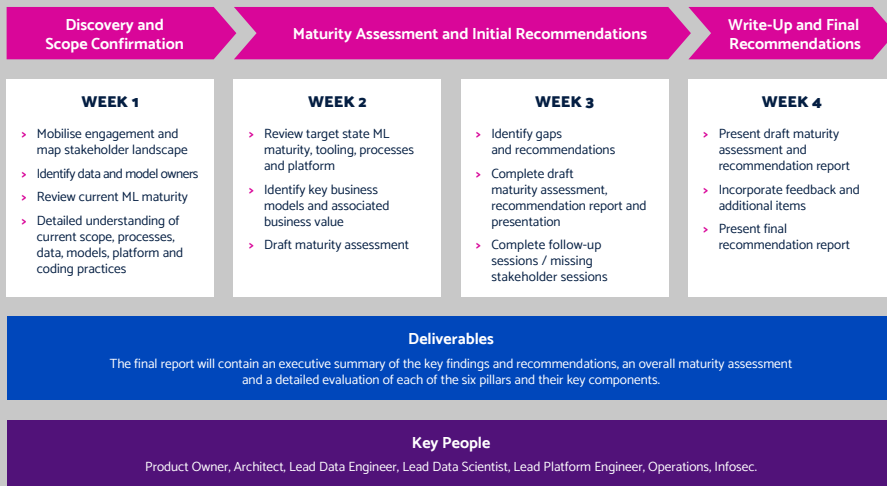
The assessment is supported by our evaluation framework which examines the six pillars of machine learning operation and gives actionable insight into your level of maturity across 30 criteria:

- > **Ways of Working:** Are your teams following best practice and able to achieve their objectives?
- > **Data & Features:** Is your data sufficient, useful and accessible?
- > **Model:** Are your models robust, maintainable and performant?
- > **ML Pipelines & Platform:** What level of automation can your models rely on?
- > **Monitoring & Operations:** What solutions do you have in place to keep track of models accuracy over time?
- > **Security & Governance:** What processes and tools do you have in place to manage access to data and secure your platform?



## INDICATIVE ENGAGEMENT

We cover all aspects of your MLOps capabilities through interviews, workshops, code and documentation reviews. Below is a roadmap of what a typical engagement looks like.



## MLOPS ASSESSMENT OUTCOMES & BENEFITS

### Outcomes

- Level of current maturity against the six MLOps maturity pillars with a clear explanation for each score
- Recommended level of maturity against current MLOps aspirations
- Actionable prioritised recommendations for immediate remedial actions to improve current level of maturity

### Benefits

- Excellent understanding of the root causes for the challenges you've faced around data science and machine learning
- A clear way forward immediately after the assessment
- Outcomes are tailored to your organisation and developed in collaboration with you and your team
- Ability to move from the 85% project failure group to the 15% success group

## MLOPS SUCCESS STORIES

We support some of the world's leading organisations to become successful with MLOps.



### Major Retail Bank

Reducing time to deploy a model from **15 months to two months**.



### Insurance Company

"The learnings shared have been in the ways of working, understanding the science behind our data and we now have a way to iterate through design. It's been an outstanding achievement, considering the short time we've been together!

For me, it's been a joy and a very successful engagement. We're grateful to the BJSS team and all the support they have given us."

**Head of Data, Major Insurance Company**

## ABOUT BJSS

The leading technology and engineering consultancy

**1,700+** Talented people working together on complex projects

**15** Locations across the UK, USA, Europe and Australia

**>30** Active engagements within Retail & Consumer Markets

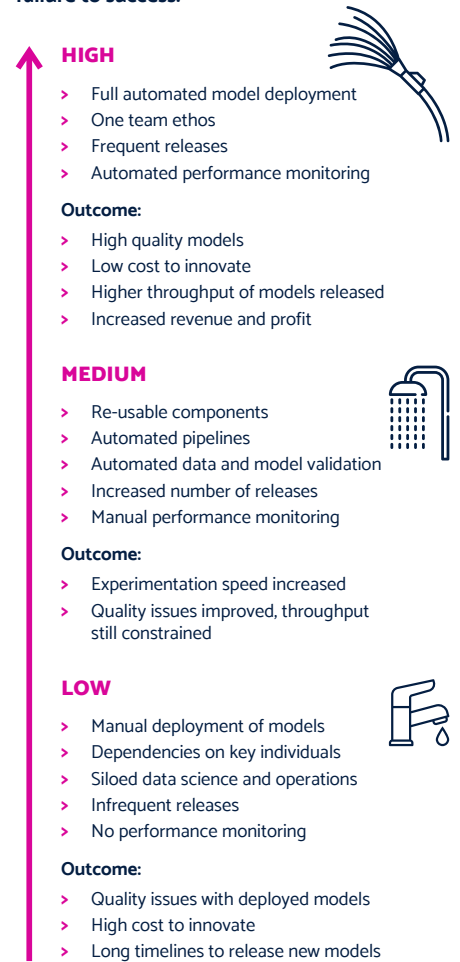


Seven tightly-integrated services, all underpinned by Digital Transformation and delivered by Enterprise Agile®

- Technology & Engineering
- Cloud & Platform
- Managed Service
- Data & AI
- Strategy
- Design
- Intelligent Automation

## MATURITY LEVELS

We move you from a position of failure to success.



Trusted by our 80 active clients, we collaborate to deliver complex, innovative technology, engineering and industry solutions that millions of people use every day.



Commodities & Utilities



Financial Services



Health & Social Care



Public Sector



Retail & Consumer Markets



Insurance

BJSS works with some of the world's largest public and private sector organisations:

