

Valcon G-Cloud Lot 3 Service Definition

Cloud For Data Science and AI

[Set Up and Migration | Service optimisation/right sizing, Other]

Version 1.0

1. About Us

Valcon is a leading European consultancy specialising in AI and data-driven business transformation, with a growing and established presence in the UK. A trusted partner to major organisations including multiple UK Government departments and public sector agencies. Valcon connects strategy and operations, helping organisations create value in their transformation programmes.

With over 1,750 consultants across Europe, Valcon brings deep expertise across data, AI, technology and consulting. In the UK, Valcon works with clients across financial services, public sector, retail, industrials and infrastructure. Valcon is backed by private equity firm Rivean Capital.

2. Service Description

Valcon has a highly experienced Data Science and AI team who implement Cloud solutions for clients across industries, creating business value out of data. We have a technology agnostic approach and can support in any Data Science related field: Machine Learning, Big Data, AI, Deep Learning and Advanced Analytics.

Features

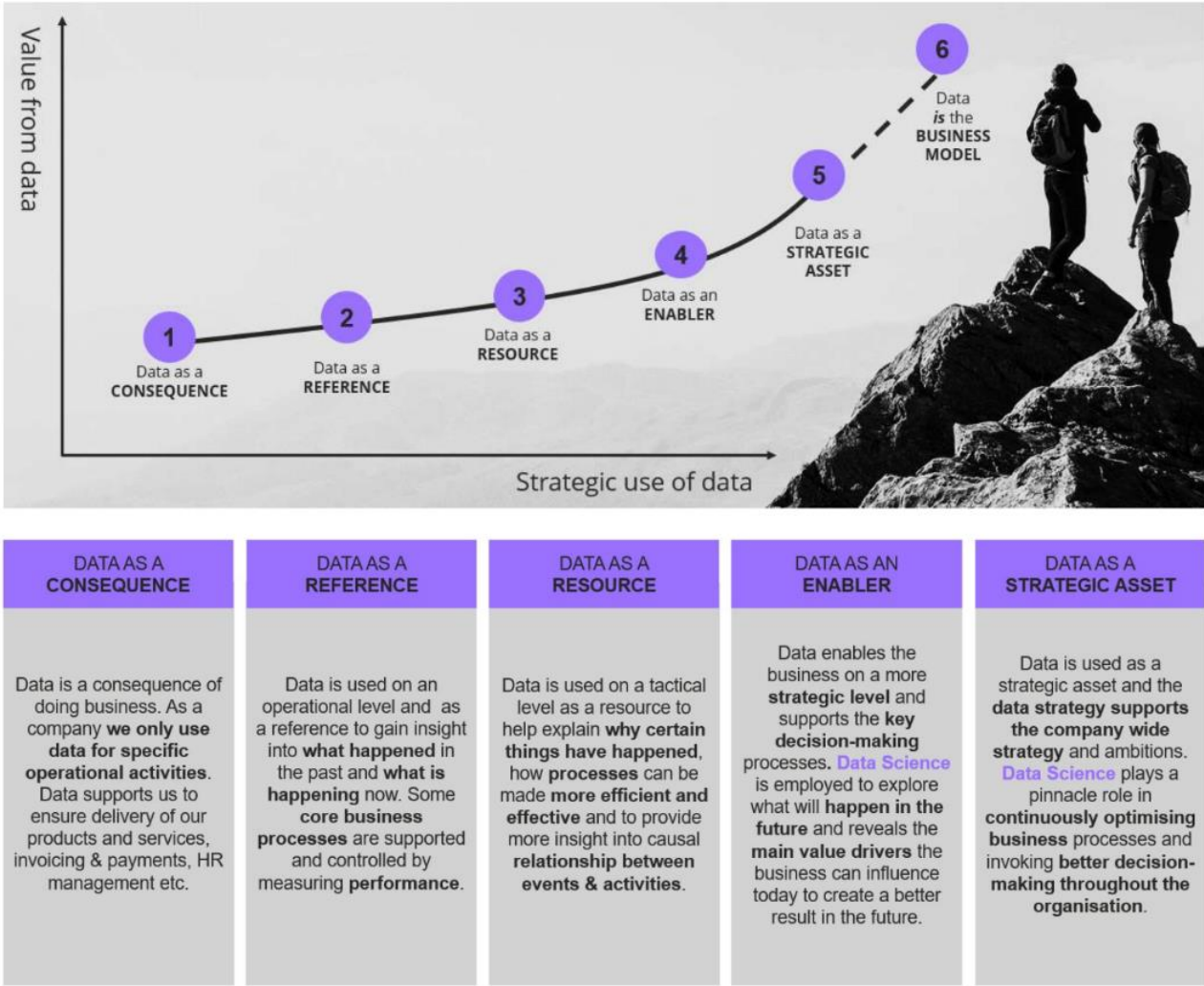
- Proven standardised methodology (CRISP-DM)
- Result-oriented, focus on quantifiable impact
- Incremental visibility and insight (following agile or waterfall methodology)
- Interdisciplinary approach aligned with Valcon functions (Business Analysis, Cloud OPS)
- Technology agnostic (Analytics, Modern Data Platforms, Solution Deployment)
- Flexible pricing models
- "Follow the sun" Service Desk
- Incident and Problem Management
- 3rd Party Product/Supplier Management

Benefits

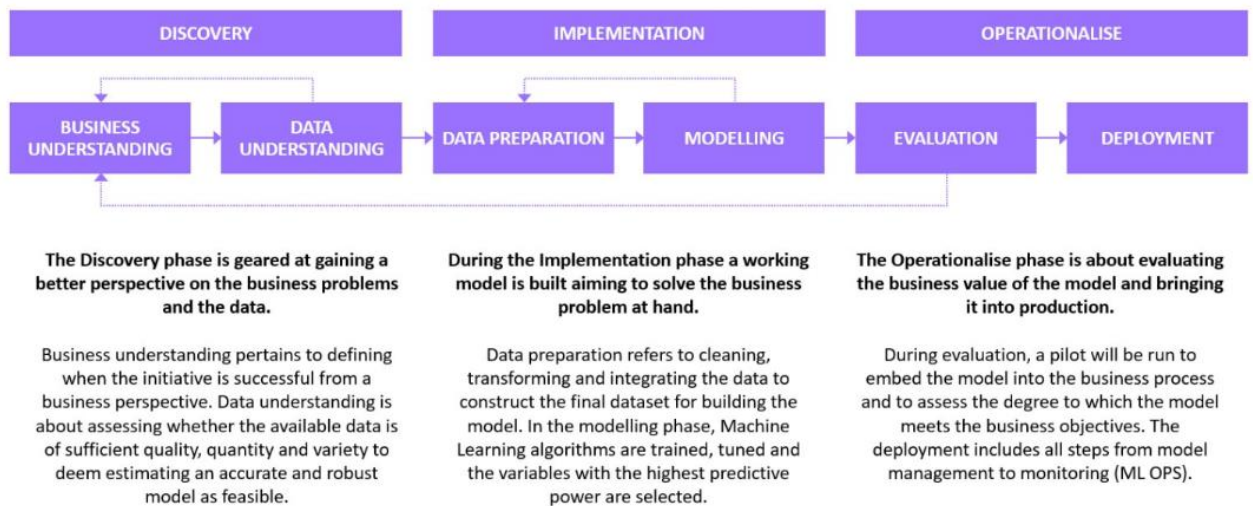
- Fast results through our standardised Data Science and AI approach
- Actionable insights that boost operational performance and facilitate fact-based decision-making
- End to end delivery, from business analysis to technical implementation
- Explainable Machine Learning models with transparent working (no black box)
- Talented Data Scientists with MSc's/PhD's in different quantitative sciences
- Microsoft Gold & AI Inner Circle Partner
- Continuous implementation support (Managed Service), DevOps / ITIL delivery model
- Best of breed tools for monitoring and alerts
- Designated Service Lead
- Rapid access to the wider Valcon services

3. Approach

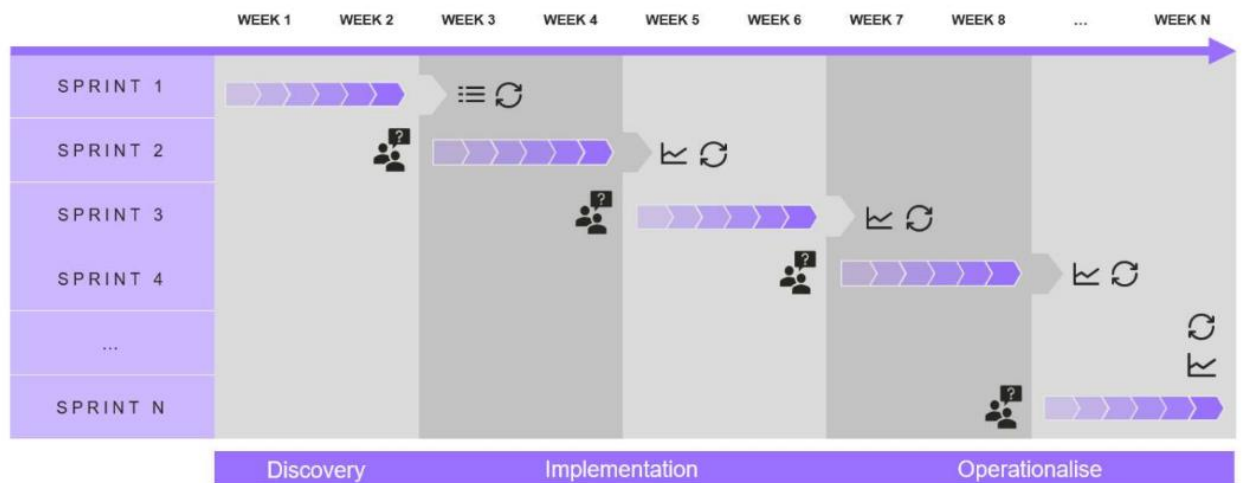
Valcon's Data Science and AI approach is based on the evaluation of where our clients are in their data maturity journey. We have identified several stages in data maturity and our Data Science solutions help our clients move from data as a consequence/reference to data as a an enabler/strategic asset.



The Valcon Data Science and AI methodology is based on CRISP-DM (Cross-Industry Standard Process for Data Mining) and is focussed on leveraging Cloud technologies to productionise Machine Learning models. We deliver end-to-end Data Science Cloud solutions starting with the business and data discovery and ending with an operationalised Machine Learning model that's deployed in production. We can also offer continuous implementation support through a Managed Service.



Our solutions can be developed through different delivery models. Our own preference is an agile and flexible approach where we deliver incremental visibility and results through iterative sprints.



4. Activities and Deliverables

This engagement can feature any combination of the deliverables described in the table below:

Deliverables	Description
Data Science and AI Discovery	The discovery steps of the process cover 'Business Understanding' and 'Data Understanding'. Both steps involve the Valcon Data Scientists analysing the business question to be answered and analysing the data available to determine the best approach and assess the quality of the data itself. The outcome of this phase is a detailed understanding of the

	business problem and available data, a refined approach, and recommendations and actions to improve the data that feeds into predictive models.
Data Science and AI Design	The design phase bridges the conceptual to the physical design of the solution. The high-level design will be refined based on the detailed understanding gained during the discovery phase. A detailed physical architecture will be produced that drills down from the high-level design to a level of detail that informs the implementation.
Data Science and AI Implementation	The implementation steps of the process include 'Infrastructure Provisioning', 'Model Development' and 'Pipeline development', 'Deployment', 'Operationalise', 'Testing', 'Documentation' and 'Playback'. Producing a Machine Learning model is an iterative process and involves shaping the data to fit a short list of candidate algorithms. Once the data has passed through each algorithm the results are evaluated to determine how well it has performed, the highest performing algorithm is selected. Deployment involves productionising and operationalising the model in a controlled environment for consumption through a designated Data Warehouse.

5. Effort and Cost

Effort will be determined collaboratively between the Valcon and the client based on the skills mix and scope required.

Please refer to the Pricing Document for current rates.

- Rate card prices are exclusive of VAT.
- Expenses are recharged at cost and supported by receipts.
- Expenses may include reasonable travel, accommodation, and subsistence costs.
- The payment schedule will follow milestone completions as agreed in the Statement of Work.

6. Assumptions

The successful delivery of the engagement depends on assumptions and dependencies jointly agreed between the Valcon and the client.

These may include (but are not limited to):

- Access to required stakeholders, systems, or information
- Timely decisions and approvals
- Availability of resources and infrastructure
- Defined governance and communication processes

All assumptions and dependencies will be recorded and validated as part of the Statement of Work (SoW).