



Quaylogic
data • consulting • technology

Data and Information Structure Design

G-Cloud 15 Service Definition Document



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1. Quaylogic Overview

Quaylogic is a specialist consultancy and data / AI / technology management services provider - we help our clients to harness the power of their data.

We pride ourselves on the deep technical and industry expertise our consultants and delivery teams brings every client engagement. We have many years of experience delivering complex data programmes, technology implementations and regulatory driven changes.

Our consultants and delivery teams operate cross-industry and have backgrounds ranging from public sector, financial services, policing and law enforcement, automotive, health, pharmaceuticals and manufacturing. Our strength is being able to provide an end-to-end delivery team that can take our clients from business case and data strategy through into implementation and embedding into BAU.



2. Our Capability

Quaylogic is a specialist data management and technology provider built around seasoned data practitioners that have extensive experience, delivering the data capability our clients need to transform their businesses and operations. We offer a range of services from data strategy to platform design, build and implementation, including DCAM assessments, metrics frameworks and data management target operating model & tooling implementation.

Our Delivery Road-Mapping core offering is built around **3 inter-connected tenants** of Data Management, with a key focus on embedding data & data skills into the fabric of our client's organisations, their ways of working and their people.

Data Strategy & Implementation

Specialist Data Practitioner & Programme Delivery team

Data **Strategy** definition & EDM Council DCAM Maturity Assessment

Modular design and implementation of **Data Target Operating Model** (Governance, Quality, Architecture, Privacy, Analytics, Data Engineering, Data Repository / Transformation / Development / Provisioning Platform)

Data **Training, Culture and Learning** design & deployment

Stakeholder management across Transformation / Change Delivery, Business Units and executive Stakeholders

Data Management Platform & Tooling

Data Platform Design / Build / Implementation delivery across Data Ingestion / Data Storage / Data Transformation / Data Profiling / Data Exploitation / Advanced Analytics / Business Intelligence

Formal **Partner relationships** with the key Data Platform & Data Management Tooling vendors

Pre-built & pre-configured tooling to support accelerated delivery

Extended Data Usecase Coverage (Data Governance, Data Quality, Data Lineage, Analytics & Reporting)

Data as a Managed Service

Roadmap to transition all (or selected Data Management Modules) onto the Quaylogic Data Management as a Service

Customisable Service Catalogue that covers both the business process portions of the Data Target Operating Model as well as Platform and Tooling



Quaylogic have many **formal Partner & Alliance relationships** with key technology and data management organisations / vendors to support successful road-mapping delivery.

With our Partner & Alliance firms, we play a key role that supports both our clients and the key vendor firms we work with to deliver high value outcomes & business benefits, including:

- Formally vendor trained and certified Quaylogic resources
- Dedicated professional services and implementation support for clients
- Range of Quaylogic Accelerators to reduce implementation timescales, improve BAU operation and control risk
- Input and awareness of product roadmaps & vendor direction

A selection of our partners and alliances are presented below:



Quaylogic recognise the need to **build technology and data skills** into BAU to enable sustainable, internally resourced and effective adoption of data management, data technology platforms and AI across the organisation. In support, **our Q-Academy offering** helps our clients with junior resourced, who are trained and skilled up by Quaylogic ready to deploy for to build sustainable development and operational capability for our clients:

Q-Academy ©

We take our graduates and junior professionals through our dedicated training and mentoring programme to develop to be equipped with the right skills and experience.



We mentor and train our data management and data engineering people to be the skilled and experienced data management professionals of tomorrow.

Our Q-Academy © Team are skilled, energetic and motivated to deliver the right data capability for your organisation.

3. Service Overview

Quaylogic provides Data / Information Structure Design services to help organisations define, implement and operationalise robust, enterprise-wide data structures that underpin effective data management, governance, analytics and AI adoption.

This service focuses on the design and delivery of Enterprise Data and Information Structures that align business strategy, operational processes and data usage. This includes the definition and implementation of Enterprise Domain Models, business terminology, Critical Data Elements (CDEs) and common data standards, alongside clear data ownership and accountability frameworks.

The service supports organisations in establishing a shared, consistent understanding of their data, enabling improved data quality, interoperability, regulatory compliance and business-driven decision making, while identifying and prioritising Critical Data Elements based on business risk, regulatory obligations and operational impact. The resulting structures are designed to be embedded into business-as-usual (BAU) operating models and data platform implementations, ensuring they are sustainable, scalable and actively used across the organisation.

Key Features

- Definition of an Enterprise Domain Model aligned to business capabilities, services and outcomes
- Design and implementation of logical and conceptual data models to support enterprise-wide consistency

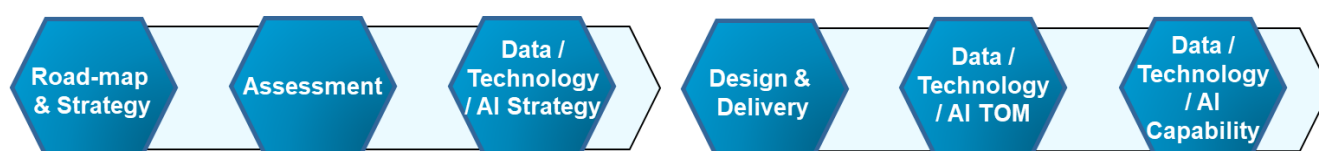
- Definition and standardisation of business terms and data definitions
- Identification and prioritisation of Critical Data Elements (CDEs) based on business, operational and regulatory drivers
- Definition of common data standards and shared data elements to support consistency and reuse
- Design of data ownership, stewardship and accountability frameworks for Critical and shared data elements
- Alignment of information structures and Critical Data Elements with data governance, data quality and regulatory requirements
- Support for implementation and operationalisation of information structures and CDEs within BAU and delivery teams

Key Benefits

- Establishes a shared and consistent understanding of data across the organisation
- Focuses governance and data quality effort on the data that is most critical to business outcomes and risk
- Improves data quality, consistency and trust in critical information
- Enables effective data governance, ownership and accountability
- Reduces duplication, ambiguity and inconsistency in data usage
- Supports interoperability across systems, domains and organisations
- Underpins effective analytics, reporting and AI exploitation
- Aligns people, process, technology and data around a common information foundation

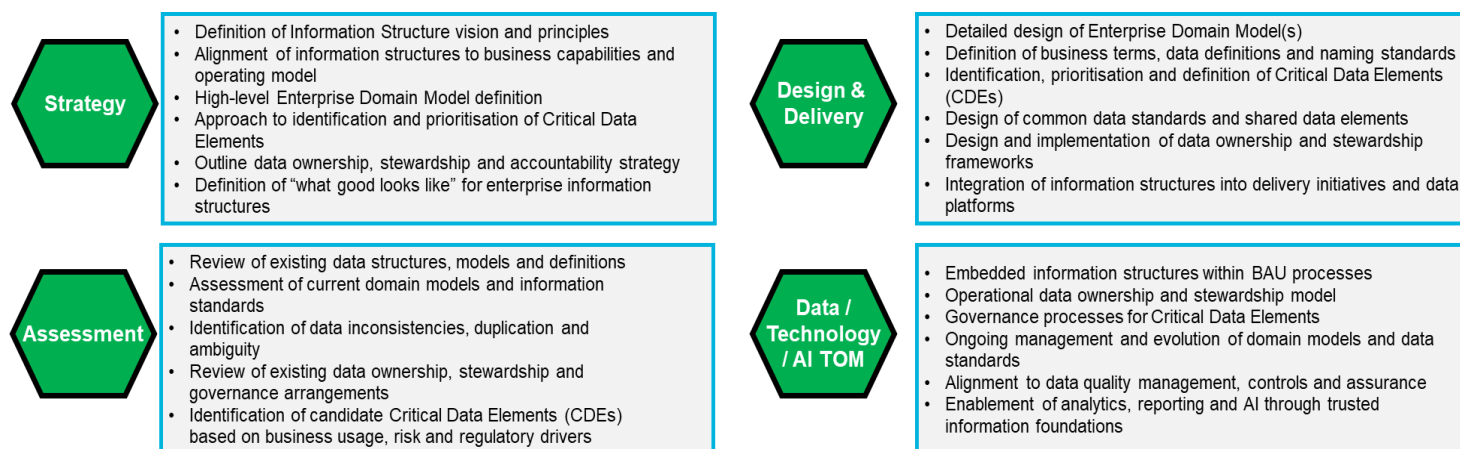
4. Service Description

Quaylogic Data / Information Structure Design services form a core part in every step of an organisation's journey to define, build, implement and adopt Data, Technology and AI Management across the organisation, by enabling effective, sustainable and business-aligned data management capabilities.



The service supports organisations to define, embed and operate enterprise-level information structures that provide clarity, consistency and control over data assets.

At a detailed level, the service delivers a single, agreed and socialised view of enterprise data, including how information is structured, defined, owned and governed across the organisation.



This includes the design of Enterprise Domain Models that reflect business capabilities and operating models, alongside the identification and definition of Critical Data Elements that are essential to business operations, decision making and regulatory compliance.

Quaylogic works with business, data and technology stakeholders to identify Critical Data Elements through structured analysis of business processes, risks, controls and data usage. Standard business terminology and data definitions are established to ensure consistency, while data ownership and stewardship frameworks are designed to provide clear accountability and decision-making authority for critical and shared data assets.

The service supports both the implementation and ongoing operation of information structures and Critical Data Elements, ensuring they are embedded into governance processes, delivery initiatives and BAU operating models. This enables organisations to maintain focus on the data that matters most, improve control and quality over time, and better exploit data for analytics and AI initiatives.

5. Contact Details

Please contact us with your requirement at:

publicsector@quaylogic.com

Additionally, you can contact our Quaylogic Public Sector Practice leadership team to discuss your requirements further:

Campbell Paterson

Managing Partner

Email:

campbell.paterson@quaylogic.com

Jagtar Bachra

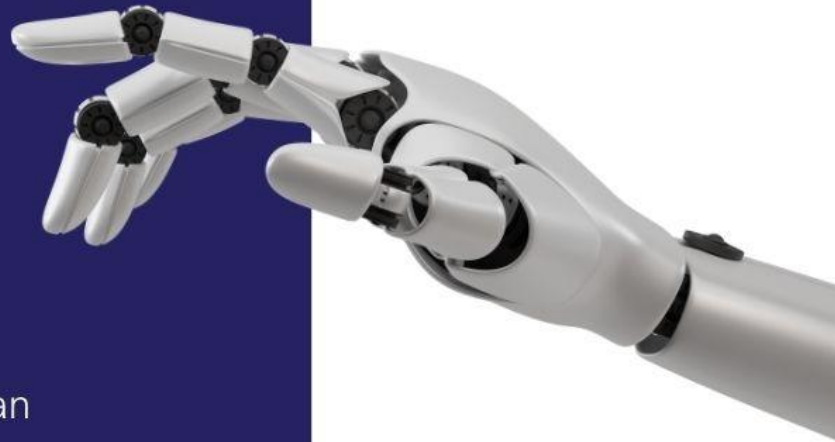
Managing Partner

Email:

jagtar.bachra@quaylogic.com



Let's talk Data



Whether you need expert advice, an experienced delivery team or just want to explore our services, we're here to help.

www.quaylogic.com 



+44 (0) 20 3 332 2015



info@quaylogic.com



London (HQ), Edinburgh, New York



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