

IBM Consulting



G-Cloud 15

IBM – Predictive Analytics & Optimisation Services

Service Definition Document

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IBM Predictive Analytics & Optimisation

Service Overview

Features

- Advisory services for the strategy and transformation of asset monitoring and maintenance
- Design of business processes with integrated intelligence and automation
- Implementation and configuration of Cloud-hosted software
- Tools built on IBM Watson platform with integrated analytics dashboard software
- Implementation of Maximo Monitor, Health and Predict
- User-focused design of visual interfaces

Benefits

- Reduced time of assets out of service
- Cloud-based analytics platform with machine and sensor data integrated to provide early-warning and management of equipment failure
- Integration of IBM and third-party software for capturing data from assets-in-use and producing predictive failure models

Key Differentiators

- Quick to implement IoT and Analytics platform built on Watson Studio
- Personalisable dashboards and alerts

IBM Predictive Analytics & Optimisation

Addressing Business Needs

We work in partnership with you to address your business needs, leveraging our deep industry and technical expertise, tools, and approach to deliver Digital ready solutions for a range of business needs.



Better Information, Better Decisions

The challenge for Asset Management professionals is to identify likely issues before they occur, thus reducing downtime and avoiding unnecessary interventions. We believe that timely and relevant information is the key to making the best decisions. Our solutions are designed to filter out the 'noise' and provide actionable insights.

Early Intervention, Reduced disruption

The IBM Predictive Analytics applications draw data from around the asset ecosystem. Tailored dashboards and alerts give users early warning of issues and disruption. They use AI and Machine Learning to identify patterns in machine data, alerting users and prompting timely intervention.

Designed to grow

The IBM Predictive Analytics and Optimisation tools are built on our Watson platform. They are infused with AI to provide insight alongside information. They are scalable, allowing the tool to be used across an organisation. They are designed for simple integration, able to handle new data sources and new usage patterns.

IBM Predictive Analytics & Optimisation

Service Definition

We provide full transformation and integration services, including business case development, solution design, technology systems integration and user adoption.

Advisory Services

IBM consultants provide advisory services in the following areas:

- Sustainable Asset Maintenance strategy
- Asset Health measurement and tracking
- Design and implementation of Planned Preventative Maintenance strategies
- Use of sensors to capture asset data

IBM consultants have significant expertise in best practice operations and contemporary software solutions

Business Transformation

IBM offer a full range of services to transform your business using Predictive Analytics and Optimisation. This includes Programme Management, Change Leadership, Solution Design, Build and Test, and Platform Integration. The IBM cloud-based platforms can be easily extended to add additional assets and analytics capability.

IBM Predictive Analytics & Optimisation

IBM Approach

We bring the benefit to you of having worked with the world's largest organisations, driving cost out of Asset Management and improving asset availability. Our approach is based on robust methods, processes and personalised engagement.



We focus on your business needs and developing trusted long-term relationships, underpinned by industry-leading experience and capabilities. We want you to get the best out of every engagement and to deliver outcomes that matter for your organisation.

Our approach is tailored to your needs and flexible to support all delivery models. We offer established programme and portfolio capabilities that can be aligned with your internal governance and methods and linked to industry recognised standards.

We bring specific skills and attitudes including:

- Proven delivery track record working in complex environments
- Access to specialists who understand the Asset Lifecycle and Asset Management strategies
- Being able to advise, support and transfer knowledge with your teams
- Implementing strong governance, defined collaboratively within the context of robust methods and processes
- Bringing an integrated and controlled planning approach
- Proactive identification and management of risks and issues based on experience
- Working across complex existing and new platforms

We can bring our full IBM Garage Methodology, or specific elements, to help accelerate your transformation:

The IBM Garage Methodology combines an open, seamless set of proven agile practices with a human-centric, outcome-first approach to quickly guide solutions from idea to implementation to scale.

On a transformation programme, the ability to work effectively with client teams, suppliers and other stakeholders makes a difference to the ability to achieve success. This is where the garage principles drive results. Client and IBM experts work side-by-side with your stakeholders to create solutions, execute change and deliver value.

Together we:

- Co-create the future – Bringing together the right people to define the business goals, solution and plan – this “co-create” approach establishes buy-in and achieves greater certainty of outcomes.
- Co-execute – Following a deliver approach that is based on focussing on what matters most, delivering benefits early, iterating change and incorporating feedback.
- Co-operate – Establishing full-scale delivery programmes that meet your
- change objectives and support the operation of business-critical enterprise services.

More information on the IBM Garage Method for Cloud is available at ibm.com/garage

The principles of how we think and act in our delivery to clients include:

- Building long-term client relationships based on innovation, trust and service excellence
- Using Design Thinking and agile approaches to help frame and execute our client’s change programs
- Infusing cognition and emerging technologies into our clients’ enterprises and core processes
- Exploiting hybrid multi-cloud- based solutions to underpin evolving client processes
- Developing and deploying world- class talent
- Using consistent, modern methods and tools – constantly reviewing and refining to accelerate the value we deliver
- The ability to thrive and succeed in engagements driven by globally dispersed, multi-disciplined teams using our suite of collaboration tools is at our core.

About IBM

Supporting Government

We help government organisations in the UK and worldwide deliver and transform essential public services – our teams are passionate and proud about helping you to make a real difference to people's lives.

Government Services Supported by IBM



Defence and Intelligence



Public Safety and Policing



Healthcare



Life Sciences



Tax and Revenue Management



National Infrastructure



Social Care



Education



Works and Pensions

The problems we solve for clients are complex and cannot be satisfied with technology alone. They require a partner that can also offer deep industry expertise and a relationship of trust.

IBM combines the portfolio, people and sense of purpose necessary to meet today's enterprise demands. Every day, we support and manage complex delivery for government clients where the impact of delivery has wide-reaching impact on citizens and national services.

We bring access to the industry experience, insight and technology capability to deliver and operate secure, scalable, optimised and available services for government.

We support you by bringing:

- Industry expertise – Professionals who understand and are passionate about delivering quality public services and can bring industry insights and apply innovation to your business processes
- Trust and security capabilities – Protecting valuable data and insights and deploying new innovations responsibly
- Innovative technology – Expertise in areas such as AI, blockchain, 5G, Automation, IoT, cybersecurity and quantum, delivered in a Hybrid Cloud environment
- Experienced Services professionals to support strategy, innovation and deliver transformation and change to processes, applications, and cloud infrastructure

The IBM logo, consisting of the letters "IBM" in a bold, blue, sans-serif font. The letters are composed of horizontal stripes, with the "I" having 8 stripes, the "B" having 11 stripes, and the "M" having 6 stripes.