



Trust. Value. Velocity

G-Cloud 15

**Environmental Sustainability and Engineering via
GoCodeGreen Assessment Service**

Contents

1.	About Mastek	3
2.	Summary	7
3.	Sustainable Engineering Approach.	8
3.1	Service Description	8
3.2	Core Offering	8
3.2.1	Sustainable Assessment	8
3.2.2	Engineering Support	8
3.2.3	Reporting and Compliance	8
3.2.4	Delivery Team	8
3.3	Conditions on the Customer	9
3.4	Outline Implementation Plan	9
3.4.1	Phase 1: Discovery and Baseline Assessment	9
3.4.2	Phase 2: Engineering and Optimisation	9
4.	Benefits	10

1. About Mastek

Mastek has been delivering Critical National Infrastructure programmes in the UK Public Sector for over a decade now. We are trusted with multiple contracts for the UK Government across Central Government, Health, Local Government, Policing, Public Protection and Defence. The majority of our national services are delivered in contexts of high uncertainty and complexity, while collaborating across multi-supplier environments.

While working for these large and complex public sector organisations, we have continuously refined our management, delivery and underlying processes to reflect key learnings from the sector:

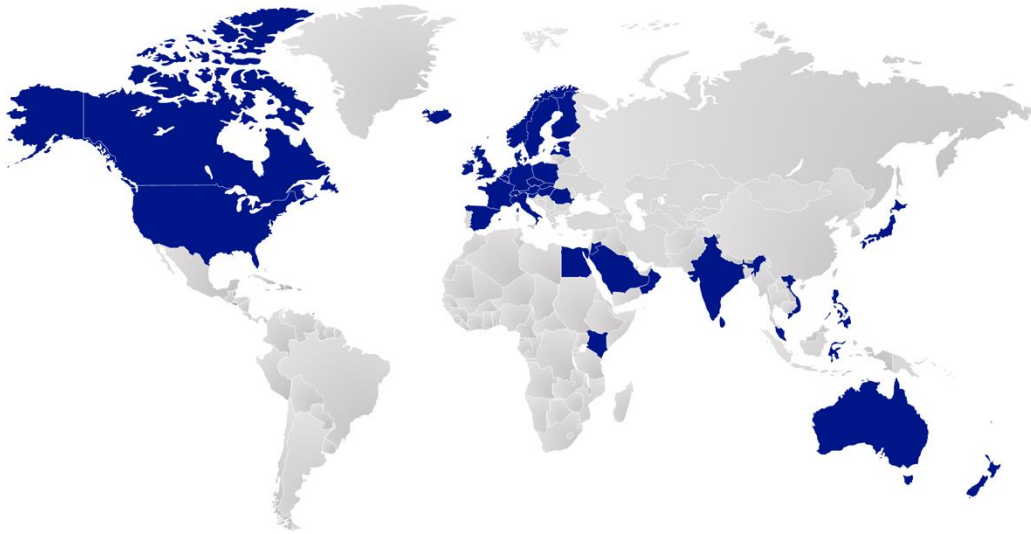
Working through a complex stakeholder landscape: We understand the importance of establishing effective communication channels, building trust and fostering a collaborative working environment that empowers stakeholders to contribute meaningfully to the project's success. Our approach is based on a deep understanding of stakeholder needs and requirements. We leverage our experience and expertise to design governance structures that promote transparency and accountability and use data-driven reporting mechanisms to ensure stakeholders have real-time visibility into project status and progress. At the Home Office, GDS, the Ministry of Defence and the NHS, we have a proven track record of working seamlessly with large stakeholder groups, including civil servants.

Standards, compliance: We comply with >20 policies and standards, including Government Digital Standards and the Government CDDO Service Toolkit, covering service standards, service manuals, TCoP and API technical and data standards. Our stringent governance, methods, playbooks and processes (manual and automated) span across service delivery phases, ensuring continuous compliance.

Policy-driven: Policies and procedures largely drive Public Sector organisations. We need to be Agile and flexible to meet demands for policy/regulatory changes, geopolitical events and ministerial commitments.

Culture: We adhere to the Civil Service core values of integrity, honesty, objectivity and impartiality. Key behaviours we promote stem from a combination of Civil Service and Mastek values. These include being passionate, accountable, sustaining predictable and repeatable outcomes, not transferring risk, transparent, leading to enable, acting with transparency, practising a no-blame culture and being flexible.

Mastek's global presence



Australia

Austria

Bahrain

Belgium

Brunei

Canada

Denmark

Egypt

Estonia

Finland

France

Germany

Hungary

Iceland

India

Indonesia

Ireland

Italy

Japan

Jordan

Kenya

Kingdom of Saudi Arabia
(KSA)

Kuwait

Latvia

Luxembourg

Malaysia

Netherlands

New Zealand

Norway

Oman

Philippines

Poland

Romania

Singapore

Slovakia

Spain

Sri Lanka

Sweden

Switzerland

United Arab Emirates (UAE)

United Kingdom

USA

Did you know?

75%

Around three quarters of Local Authorities in the UK who run Oracle have worked with Mastek on their digital transformation journey.

300,000 Users

Supported managing up to 750,000 logins per month to MOD through Identity and Access Management

Crime reduction

We designed, built and manage the UK's Strategic National DNA Database that helps Forensics and Law Enforcement Authorities investigate and stop crime

90% faster

We enabled the National Health Service (NHS) to drive 90% faster response times with a billion pharmacy prescriptions a year.

Technical Service Desk

We provide level 2 and ITSM support for the One Login service at Government Digital Service

22k

Our systems enable 22,000 schools to function efficiently every day of the year.

Healthcare and manufacturing

We delivered Finance, HCM and Supply Chain transformations for clients across health and manufacturing globally powered by Oracle Cloud

Transformation of trade

Transforming UK's trade with the EU and rest of the World by supporting Customs Declarations Services and its trade users.

99.99% Availability

We support the Home Office Biometrics (HOB) Platform, Having migrated it to an AWS platform.

Mastek and Technology in the Public Sector

Technical Capabilities	Relevant Technology Capability	Mastek Scale
Software Development Continuous Integration, Platform - Other Products, Cloud Collaboration Tools		Software Engineering 2354 FTE
QA and Test; API, Automated Functional and Compatibility, Accessibility & Performance		QA and Testing 774 FTE
Cloud Platforms Amazon Web Services AWS Microsoft Azure		Cloud Platforms 1046 FTE
Data BI/MI Components, Integration		BI and Visualisation 725 FTE
User-Centered Design		UCD 25 FTE
Office Automation Tools		Collaboration 4565 FTE

2. Summary

Mastek holds extensive engineering expertise across a wide set of tools and technologies and has used this knowledge to benefit our customers.

Based on this understanding, we have been able to develop our thinking and approach to extend it to sustainable engineering practices such as ‘sustainable by design’ and sustainable DevOps.

3. Sustainable Engineering Approach.

Through our partnership with **GoCodeGreen (GCG)**, we are working to embed sustainability into our digital engineering delivery. The partnership allows us to apply GCG's advisory, measurement and training services to selected Mastek engagements, providing environmental baselining, directional insights, team training and the foundations for integrating sustainability considerations into delivery practices. This collaborative work is building shared capability, maturing repeatable approaches and preparing Mastek to scale sustainability across its portfolio.

At the centre is a market-leading platform that quantifies the full environmental impact of digital services and infrastructure, establishes baselines, forecasts future emissions and identifies high-value reduction opportunities.

We are looking to extend this measurement capability to our public sector customers; to start you on your journey to sustainable engineering, we are providing an introductory offer that includes the following services:

- a) Lifecycle measurement.
- b) Advisory support.

This can be carried out at any point in the delivery lifecycle and applied to existing, long-standing products.

To note: We will not need to deploy any tooling on your estate; the assessment will be based on the data collected.

3.1 Service Description

This service enables public sector organisations to embed environmental sustainability into digital transformation programmes through the integration of GoCodeGreen assessments that then guide and enable your existing engineering teams to address findings.

Together, Mastek and GCG provide public sector organisations with services that measure, reduce and certify digital sustainability, delivering lower emissions, lower running costs and future-proof digital services. This introductory service gets you on that journey.

3.2 Core Offering

3.2.1 Sustainable Assessment

Evaluation of existing digital service(s) using GoCodeGreen's carbon-scoring methodology.

3.2.2 Engineering Support

Identified actions are translated directly into engineering backlogs, ensuring sustainability improvements are integrated into ongoing Agile and DevOps delivery.

3.2.3 Reporting and Compliance

Reporting aligns with ISO 14040/44/67, ISO 21031/20968 and the GHG Protocol ICT Sector Guidance, providing transparent, defensible evidence for Organisational ESG reporting.

3.2.4 Delivery Team

This service is delivered by a multidisciplinary team, including a Delivery Manager, to support customer engagement and serve as a point of contact.

3.3 Conditions on the Customer

- a) Customers must provide access to relevant digital service artefacts (e.g., architecture diagrams, code repositories, infrastructure configurations).
- b) A designated sustainability lead/point of contact should be identified within the customer organisation to support collaboration and reporting.
- c) To ensure assessments reflect real operational behaviour, customers should also provide cloud usage data, CI/CD process documentation and application usage patterns where available.

3.4 Outline Implementation Plan

3.4.1 Phase 1: Discovery and Baseline Assessment

- Initial engagement and onboarding
- GoCodeGreen assessment of current systems
- Sustainability maturity benchmarking
- Application of GreenMark to define baseline maturity and performance scoring
- Directional reduction opportunities prioritised across code, architecture, cloud and data layers.

3.4.2 Phase 2: Engineering and Optimisation

GCG deep action planning is integrated directly into backlogs with quantified impact ranges, enabling up to 80% faster time-to-action compared with traditional manual analysis

4. Benefits

The benefits of undertaking this activity are that you can secure sustainability insights and initial ratings of your solutions and products, while also receiving a tangible list of mitigating actions that your engineering teams can apply to further improve your rating.

Mastek can also offer follow-up recommendations on request.

--- End of Document ---

Mastek UK Ltd.
100 Brook Drive, Green Park,
Reading, Berkshire
RG2 6UJ
+44 (0)118 903 5700
Email: g-cloud@mastek.com

