

Evidence-Backed Infrastructure Value & Sustainability

A KPMG Service for G-Cloud 15



KPMG About us

KPMG is one of the largest AI Platforms & Cloud Engineering Advisory and Implementation providers in the UK. We bring end-to-end services across the entire cloud life-cycle from Strategy and Planning, to Architecture and Build, through to running Secure cloud-native applications. This is enabled by our diverse, industry-leading and multi-disciplined experts.

 AI Platforms & Cloud Engineering in its 10th year	 1000+ AI Platforms & Cloud Engineering Team (670+ Engineers & Architects, 500+ Advisory & Delivery consultants)	 2000+ AI & Cloud certifications in Azure, Google, AWS	 £30M + AI Platforms & Cloud Engineering spend supported annually	 600+ AI Platforms & Cloud Engineering projects completed	 50%+ Focused on highly regulated industries
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AI Platforms & Cloud Engineering Practice

- Deep domain experience across a wide range of Cloud providers and technologies
- Leading and award-winning scaled engineering capability
- Long established consulting approach and methodologies

Our Principles

- Industrialised approach reusing assets and accelerators
- Automate everything
- Deliver value for money
- Pride ourselves on high quality outcome deliverables

How we Operate

- Sprint based projects for fast iterative results
- Delivering with our clients using outcome focused multi-disciplinary teams
- Strong, established network to ensure partnering excellence

Our Core Propositions

Besides the core propositions we deliver **240+** services mentioned in our Service Catalogue

Operational Excellence 	AI Powered Modern Platform 	Modern Engineering 	Value & Sustainability 	AI Powered Application Modernisation 
• Cloud CoE & Target Operating Model • Cloud Programme Risk and Assessment • Cloud Maturity Assessment	• Cloud Design, Build, Migrate & Transform • Cloud Risk Controls & Cyber • Cloud Security Architecture	• DevOps & DevSecOps • Secure SDLC • Site Reliability Engineering (SRE)	• ESG • Sustainable Technology • Cloud Cost Management & Financial Optimisation (FinOps)	• Gen AI • Cloud Data & Analytics • Logging and Monitoring

Across our many delivery centres, we work with clients of all industries, specialising in complex, high risk or regulated sectors.



Combining our expertise with our alliance tech solutions, we harness the power of smart technologies. Together, we solve your most complex business issues to create sustainable success.



Infrastructure Value & Sustainability



Service Description:

KPMG's evidence-backed approach empowers organisations to operate greener, more efficient cloud environments by delivering deep, actionable insights into resource consumption. Through advanced analytics and continuous optimisation, we help clients reduce cost, cut carbon emissions, and improve overall cloud performance enabling sustainable, high-value outcomes across their technology estate.



Service Categories

- Environmental, Social & Governance (ESG)
- Sustainable Technology
- Cloud Cost Management and Financial Optimisation (FinOps)



Service Benefits

- Embed sustainability across Business and IT strategy, including the transition to energy-efficient IT services.
- Adopt sustainable multi-cloud practices supported by transparent governance for sustainability initiatives.
- Track sustainability performance through focused KPIs and responsible sourcing aligned to organisational goals.
- Drive cost reduction and efficiency via lower energy usage, optimised resources, and streamlined operations.
- Strengthen organisational sustainability through resource-reduction measures and compliance with environmental standards.
- Accelerate cost optimisation with actionable insights, rapid opportunity assessments, and 25%+ savings potential supported by continuous spend monitoring and evidence-based tracking.
- Enhance operational performance by optimising AI workloads, leveraging leading cost-management tools, and improving workflows across major cloud providers.



Service Features

Enable sustainable cloud operations

Defining a Multicloud GreenOps strategy, estimating and reducing carbon footprint, and implementing energy-efficient, environmentally friendly cloud practices.

Strengthen ESG governance and accountability

Aligned governance structures, sustainability-focused KPIs, and responsible sourcing that enhances ESG performance.

Drive sustainable and efficient IT operations

Integrating with KPMG's cloud transformation services, improving visibility of the environmental impact of the cloud, and optimising infrastructure through sustainable design.

Promote responsible and low-impact technology usage

Modelling resource consumption, optimising development and code practices for energy efficiency, and applying responsible data storage, usage, and disposal policies.

Build a mature, scalable FinOps capability

Assessing maturity, establishing governance and automation, and maximising cloud and AI value through improved cost visibility, tooling, and optimisation levers.

Our Approach

KPMG can unlock the full value of sustainable cloud operations, delivering deep visibility into resource consumption and cost drivers while identifying high-impact optimisation opportunities. By modernising and right-sizing cloud environments, we reduce spend, cut carbon emissions, and minimise operational risk, by driving measurable, sustainable business outcomes.



Requirements

- Access to accurate operational and technical baselines including the latest configuration data, application requirements, and current-state utilisation/performance metrics.
- Visibility into cost and deployment landscape through cloud deployment frameworks and detailed, itemised billing for both data-centre and cloud operations.
- Access to comprehensive sustainability and operational data including Green House Gas (GHG) emissions, power usage, waste tracking, and detailed information on the IT landscape, deployments, and operating model.
- Ability to conduct an end-to-end assessment with ecosystem partners by working closely with all third-party vendors and leveraging skills and organisational insights to enable a holistic analysis.
- Access to the current cloud landscape and alignment with business goals, visibility of the existing cloud environment and posture, understanding Business IT alignment, and clarity on leadership, resources, and SME collaboration needed to drive change.
- Commitment to effective change and continuous improvement, supported by executive buy-in, and communication, structured change management and ongoing investment in improvement initiatives.



Activities

Enable integrated, data-driven sustainability insights

Using hyperscaler data integration, detailed analysis, normalisation, and consolidated dashboards.

Drive strategic sustainability outcomes

Shape emission-reduction strategies, identifying gaps, aligning to recognised frameworks, and strengthening Sustainable Operations (SusOps)–FinOps collaboration.

Develop and baseline a sustainable IT strategy

Assess sustainability maturity, defining strategic direction, and establishing Key Performance Indicators (KPI's), data foundations, and roadmaps.

Implement and embed sustainability improvements

Use best-practice optimisation levers, decarbonisation initiatives, sustainable engineering, and continuous KPI tracking.

Establish and scale a mature FinOps capability

Demonstrate strong cost visibility, automation, and governance to drive continuous optimisation at scale.



Outcomes

Unified emissions visibility

Across cloud and on-prem environments, with normalised reporting, multi-cloud analysis, and actionable insights to drive strategic sustainability decisions.

Clear understanding of the environmental impact of the cloud,

Supported by measurable KPIs, decarbonisation actions, and embedding sustainable design and operational practices across IT teams.

Mature, end-to-end FinOps capability

Delivering full cost visibility, optimised cloud spend, automated tooling, and scalable governance for continuous optimisation.



High-Level Timelines

Timeline is based on our experience of delivering similar engagements. Once instructed, we will work with you to create and agree a plan, which should show benefit within two weeks and typical engagements are 6 weeks to 6 months.

Why KPMG



Top Professional Brand

KPMG has a strong brand and excellent reputation. We are focused on customer needs and have a pragmatic approach for the design and delivery of our Projects. Our team has a proven track record of delivering similar engagements and an intimate knowledge of challenges faced by our clients.



Constructive Input and Challenge

We consider it to be our responsibility to bring an independent perspective and constructively challenge existing processes and systems. We will highlight and share with you both internal and external leading practices.



We Employ a Collaborative and Integrated Team Approach

We deliver a full suite of evidence-backed recommendations in collaboration with KPMG sector and technical experts in all parts of our business around the globe. By working in multi-disciplinary teams, we can deliver holistic thinking and insights for even the most complex challenges.



We Have Strong Relevant Recent Credentials

We have worked across multiple industries and will bring insights from other sectors to challenge your thinking. We have vast Cloud and DevOps expertise within our technology practice in the UK region alone, who cover everything from hosting strategies to building landing zones. We produce agile, resilient and efficient IT functions that support the wider enterprise.

Our Team, Stories and Solutions

Business Outcomes Powered by Cloud

Our Solutions

Cutting-edge technology, business focused solutions

Our Stories

Discover the impact we've made in the Cloud industry

Our Insights

What are the big issues at the top of your business agenda? Read our latest thinking and research to stay on top of change.

AI and Machine Learning

Thought-leadership, expert analysis, and guidance on all things AI.

AI and Machine Learning

Technology and innovation

Trusted insights and actionable advice on emerging technologies.

Technology and Innovation



The CEO Guide to AI Value

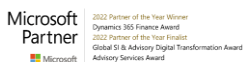


Agentic AI: the what, the why and the how

And many more....

KPMG Industry Analyst Recognition

Industry analysts recognition and accolades - KPMG Global



Microsoft Partner of the Year for 2023
Microsoft Prestige Award for Supplier of the Year



KPMG named a **Global Leader** in Verdantix Green Quadrant: **ESG and Sustainability Consulting 2024**



Global Partner of the Year 2024
Google Cloud DE&I Partner 2024



2x Guinness World Records for DevOps and Cloud Upskilling

DevOps upskilling in KPMG and the community



2020, 2021, 2022

Highly Commended / DevOps Leader of the Year 2023



The Forrester Wave™: Cybersecurity Consulting Services in Europe, Q1 2024





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