

# Evidence-Backed AI Powered Modern Platform

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.

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

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| <b>Operational Excellence</b>                                                               | <b>AI Powered Modern Platform</b>                                                               | <b>Modern Engineering</b>                                    | <b>Value &amp; Sustainability</b>                                           | <b>AI Powered Application Modernisation</b>   |
| <ul style="list-style-type: none"> <li>• Cloud CoE &amp; Target Operating Model</li> <li>• Cloud Programme Risk and Assessment</li> <li>• Cloud Maturity Assessment</li> </ul> | <ul style="list-style-type: none"> <li>• Cloud Design, Build, Migrate &amp; Transform</li> <li>• Cloud Risk Controls &amp; Cyber</li> <li>• Cloud Security Architecture</li> </ul> | <ul style="list-style-type: none"> <li>• DevOps &amp; DevSecOps</li> <li>• Secure SDLC</li> <li>• Site Reliability Engineering (SRE)</li> </ul> | <ul style="list-style-type: none"> <li>• ESG</li> <li>• Sustainable Technology</li> <li>• Cloud Cost Management &amp; Financial Optimisation (FinOps)</li> </ul> | <ul style="list-style-type: none"> <li>• Gen AI</li> <li>• Cloud Data &amp; Analytics</li> <li>• Logging and Monitoring</li> </ul> |

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.



# AI Powered Modern Platform



## Service Description:

KPMG's evidence-backed AI Powered Modern Platform is a secure, scalable and automated cloud foundation enhanced with intelligence, automation and predictive insights. It combines cloud native landing zones, platform engineering, zero-trust security and standardised automation with advanced AI capabilities such as AIOps, AI-SecOps, intelligent developer tooling and AI driven cost optimisation.

It empowers organisations to run, modernise and scale applications while reducing operational friction, improving security posture, lowering cloud spend and accelerating innovation, including GenAI and advanced analytics use cases.



## Service Categories

- **Platform Engineering & Foundations** (Secure landing zones, automated provisioning, resilience, governance)
- **AI Enabled Developer Experience** (Gen AI coding, golden paths, secure patterns, automated pipelines)
- **AIOps & Automation** (Predictive monitoring, auto remediation, anomaly detection, self optimisation)
- **AI SecOps & Security** (Intelligent threat detection, automated risk scoring, continuous compliance, zero trust)
- **FinOps & Sustainability** (AI driven rightsizing, forecasting, optimisation, carbon aware operations)



## Service Benefits

- 40–50% reduction in cloud spend through intelligent optimisation and automation.
- 30–40% improvement in delivery speed through platform engineering, automation and AI assisted DevEx.
- Up to 50% reduction in security incident response time via intelligent detection and automated playbooks.
- Higher software quality and stability through shift left practices, platform standards and automated testing.
- Improved engineering sentiment and productivity with 15–25% uplift through GenAI tooling.
- Future ready foundation for GenAI and digital innovation with integrated data and ML capabilities.
- Consistent compliance Policy-as-code enforces standards continuously across multi-cloud/ hybrid estates



## Service Features

### AI-Enabled Monitoring & Observability

- Predictive incident detection
- AI driven log insights
- Automated diagnostics

### Secure Cloud Landing Zones

- Azure/AWS/GCP landing zones with guardrails
- Zero-trust patterns and policy-as-code
- Built-in governance and resilience

### Self Service Developer Experience

- Developer portals and automated environments
- Golden paths for consistent delivery
- Reusable patterns and templates

### Automation & Platform Engineering

- IaC automation and GitOps workflows
- Integrated CI/CD pipelines
- Standardised, repeatable platform components

### AI Driven Security & Compliance

- Intelligent threat detection
- Automated scanning and vulnerability triage
- Continuous compliance enforcement

### FinOps & Cost Intelligence

- Real time cost insights
- AI powered forecasting and rightsizing
- Carbon-aware optimisation

### Data & API Platform Readiness

- Cloud native data and API patterns
- ML/AI workload enablement
- Secure, scalable data access

### Automated Operational Processes

- Automated patching and scaling
- AI assisted operational optimisation
- Continuous governance and resilience

# Our Approach

KPMG applies a discovery first approach, assessing platform, engineering, data and security maturity to define the current state and priorities. We design the platform around business goals, regulatory requirements, performance needs and implement it using proven accelerators, automation and platform engineering practices. AI is infused across operations, security, developer experience and optimisation to drive smarter and more efficient outcomes. KPMG reinforces this with continuous improvement guided by KPIs, telemetry and governance to ensure lasting performance and value.



## Requirements

### Foundational Inputs & Environment Readiness

- Access to platform, engineering & security SMEs.
- Visibility of current toolchains, workloads & environments.
- Agreement on governance, cadences & collaboration model.
- Stakeholder participation in workshops & design sessions.
- Sandbox or dev environments for pilot implementations.



## Activities

KPMG follows a comprehensive approach to deliver the rapid value and focused outcomes.

### Diagnostic

- Current state assessment
- Maturity benchmarking
- Toolchain, observability and security review

### Transformation

- Landing zone design & deployment
- Platform engineering components
- GenAI developer tooling
- Security automation and shift-left controls

### Enablement

- Training & coaching
- Playbooks, patterns & guidelines
- Developer onboarding, demos & labs

### Continuous Improvement

- KPI monitoring
- Value tracking
- Ongoing optimisation cycles



## Outcomes

- **Enhanced Engineering Productivity:** AI supported tooling and automation reduce blockers and improve delivery efficiency.
- **Strengthened Security Posture:** Intelligent threat detection and automated controls lower risk and accelerate response.
- **Accelerated Delivery Through Standardisation:** Golden paths and AI assisted guidance streamline development and reduce variability.
- **Predictive Platform Operations:** Data and AI driven insights enable proactive issue detection and autonomous optimisation.
- **Optimised & Sustainable Cloud Operations:** Real time FinOps intelligence and AI powered recommendations improve cost and resource efficiency.
- **AI-Ready Platform Foundation:** A scalable, secure architecture designed to support rapid adoption of AI, ML and future digital capabilities.



## 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 bespoke 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**





# Contact Us



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