



Cloud service definition document

Welcome

96+ years in operation
135+ countries served
160+ offices worldwide
1.5[ⓑ] GBP revenue **2024**
5 global markets
12[Ⓚ] people
45+ service lines

↳ Providing engineering, environmental,
advisory, architecture, digital and
construction services

How we work



Collaboration - We advocate for a truly collaborative relationship, as we know from experience that collaboration and a tailored approach is the key to delivering value. As such we are flexible in our working style, able to lead, work alongside, or support our clients as required.



Quality – We pride ourselves on the quality of our outputs, with a focus on high value outcomes. To ensure this we apply established GHD quality assurance processes, allocating technical and executive approvers to independently review deliverables



Security – We take security seriously. GHD is ISO 27001 certified, holds Cyber Essentials Plus certification, and has a dedicated Cyber Security team. Our data scientists, analysts and developers understand and apply DevSecOps practices to ensure security is built into our deliverables. We also have team members with SC clearance.



Customer focused – By focusing on customers we align with present industry trends and drivers and provide detailed insight into the customer sphere and linking it to how assets should be configured and managed to resolve key challenges.



Data-driven – We apply cloud-native data services and analytics to accelerate and unlock the decision-making potential of our clients, delivering high quality, impactful insight directly into the C-suite.



Targeted business change – We deliver targeted and lasting change into all aspects of our clients' businesses, using cloud-hosted data to drive our actions, streamline processes, and measure our effectiveness.



Embedded technologists – Our people can translate pain points and needs into technical requirements and cloud-enabled capabilities ready for implementation. We ensure our clients develop their systems, leveraging cloud platforms to enable them to meet the needs of their customers.



Innovation – We push for innovation in everything we do and pride ourselves on being at the forefront of understanding, using and implementing cloud and enterprise technologies to support business drivers and using every opportunity to develop best practices further.

Our values

- Safety
- Teamwork
- Respect
- Integrity

Data & insights

→ Cloud support services

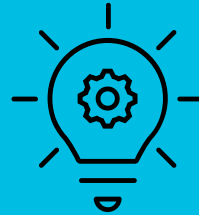
Delivering incremental and sustainable benefits

Our ability to draw upon commercial, engineering and digital transformation know-how is what sets us apart. It enables us to re-define challenges, harness cloud-enabled solutions, drive value, and provide our clients with a competitive edge.



Technical knowledge

Deep technical understanding of problems and possibilities that data, cloud platforms, and digital transformation can provide.



Deep-domain expertise

To help our clients grow, innovate and adapt to digital transformation. Our approach to problem-solving is derived from our on-the-ground experience.



Global network

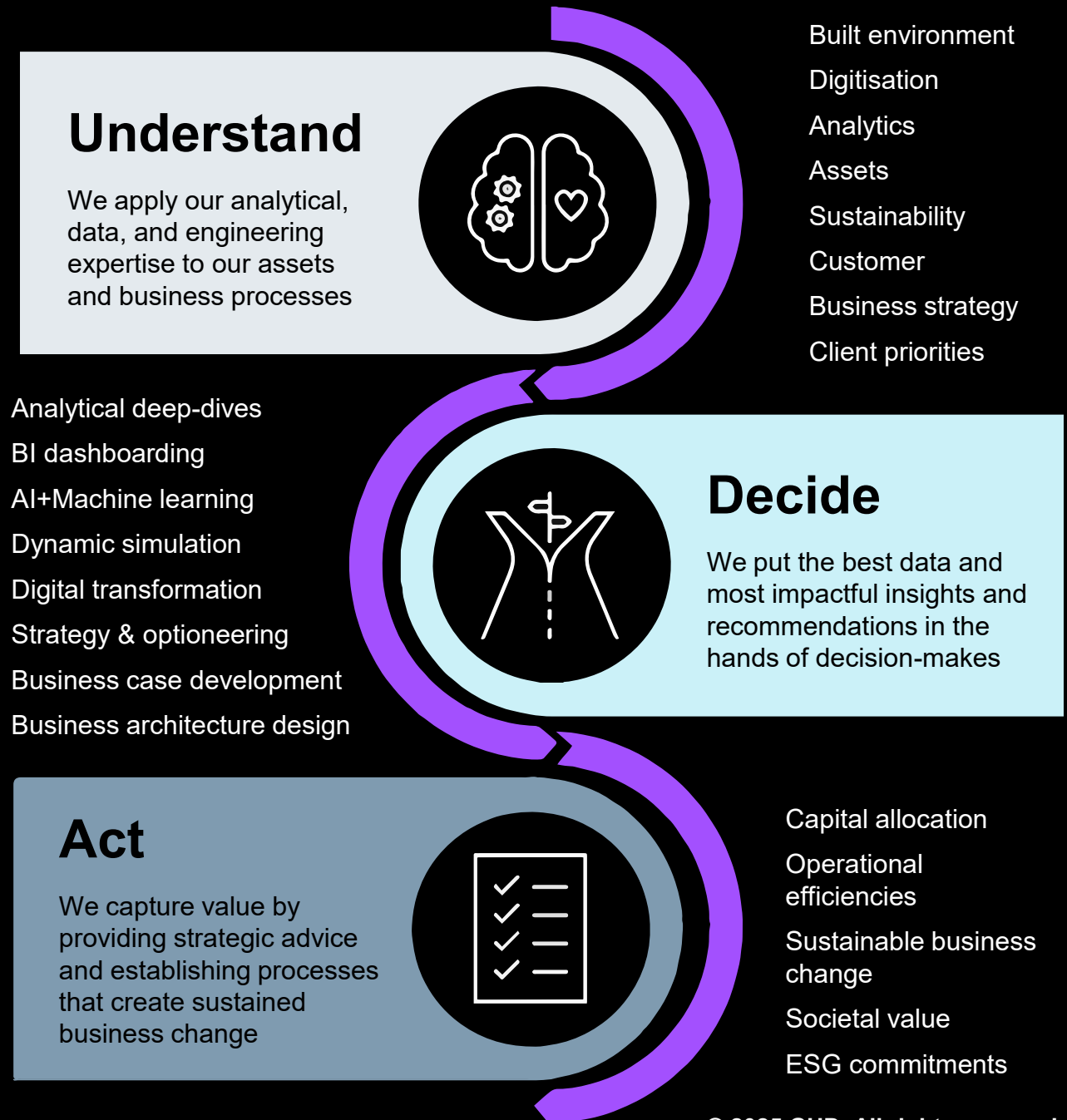
To create positive public outcomes locally and internationally. We deliver robust strategies and international best practice.

Integrated offering

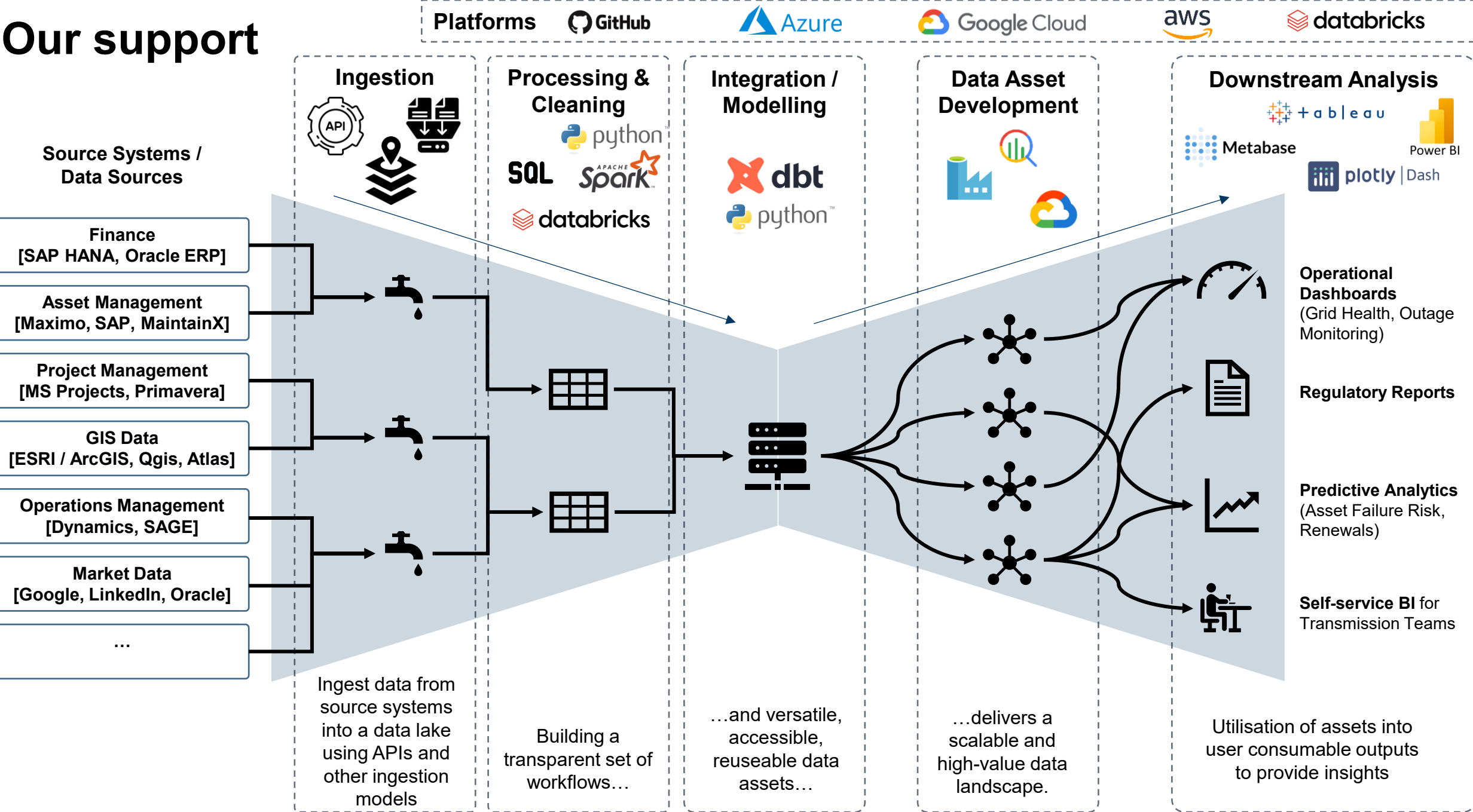
Businesses need to transform their data into actionable insight, leveraging cloud technologies to do so at scale.

Our team aligns customer demands, asset needs and business requirements with a cloud-enabled technology ecosystem.

This allows data to accelerate and unlock a holistic approach to performance management.



Our support



Our services – 1 of 8

1. Actionable analytics

GHD turns complex cloud data into evidence-based decisions. Our analysts combine advanced statistical reasoning, cloud-scale analytics and decision intelligence orchestration to deliver measurable impact across the full data lifecycle. By cutting through noise, accelerating insight, and embedding analytics, we unlock enhanced performance, improved efficiency and measurable organisational gains.

2. Analytical engineering

GHD's Analytical Engineers transform cloud data estates into analytics-ready warehouses and datamarts. Through rapid, accurate development and well-designed, reusable data models, we enable users to confidently find and use data, unlocking analytical value across platforms such as Databricks and BigQuery using tools including dbt.

3. Analytical transformation programme

GHD will accelerate your organisations journey to becoming a truly data-driven organisation. Our expert advisors will coach your leaders and teams to embed cloud-enabled analytics, collaborative ways of working and statistical thinking. This will build self-sufficiency, improve decision quality, and deliver sustainable, organisation-wide performance improvement.

Our services – 2 of 8

4. Analytics platform

GHD will establish a secure, scalable cloud analytics foundation tailored to your organisations needs. Our specialists will design and implement cost-efficient platforms built on best-practice cloud infrastructure. This drives faster insights, reduces technical overheads and empowers analysts - enabling your organisation to extracts lasting value from data with confidence.

5. Business intelligence

GHD delivers cloud-hosted reporting and insight that transforms data into actionable insights. We design robust data models, ETL pipelines with technologies including PySpark, Python and dbt. We build intuitive dashboards using tools including PowerBI, Tableau, Qlik and Sense. This delivers faster insights across your organisation, enabling confident use of data.

6. Cloud application development

GHD delivers end-to-end, cloud-native solutions across Python, .NET, JavaScript, Java and C++ from UX design to secure production and continuous delivery. Our agile, value-led teams build scalable applications that reduce maintenance overhead and accelerate release cycles. This delivers reliable, user-centred software that drives measurable business outcomes for organisations..

Our services – 3 of 8

7. Cloud data architecture

GHD designs resilient, organisation-wide cloud data foundations aligned to your strategy. We deliver clear roadmaps, low-risk transition programmes and rich data models through ontologies, taxonomies, and knowledge graphs. This enables self-service analytics and unlocks trusted insight, helping your organisation realise lasting value from cloud-native data architectures.

8. Cloud solution architecture

GHD develops sustainable, scalable and secure cloud platforms by delivering robust roadmaps and implementation plans designed for your organisation's needs and strategic goals. We advise on a full range of services from deployment of new applications to full legacy system migrations, designed in accordance with best practice for low-risk releases.

9. Cloud system integration

GHD reduces complexity and cost by seamlessly connecting legacy, cloud and on-premise platforms. We apply proven integration patterns to unlock insight, improve reliability and streamline operations. This delivers low-risk integration programmes that simplify your estate, protect continuity and enable faster, data-driven decisions across the organisation.

Our services – 4 of 8

10. Cloud transformation programme

GHD's accredited and security-cleared staff help organisations harness data and technology by assessing cloud readiness and shaping a robust adoption strategy. We apply behavioural insights and analytics to guide transformation, enabling cost savings, flexibility and scalable value as workloads move securely and efficiently to the cloud.

11. Data engineering

GHD's Data Engineers help you curate, organise and present your cloud data estate. We enable rapid, accurate warehouse development and intuitive, reusable data models. Our team brings deep SQL expertise (including PrestoDB) and works across modern data engineering platforms such as Databricks and BigQuery.

12. Data migration

GHD delivers secure, low-risk migration of complex data estates to the cloud with minimal disruption. We plan and execute end-to-end migrations spanning legacy to cloud and cloud-to-cloud ensuring data integrity, quality and continuity. This delivers modern data models, faster insight and long-term value from cloud-native platforms.

Our services – 5 of 8

13. DevOps adoption

GHD will embed modern DevOps principles across your cloud delivery lifecycle to build agility, reliability, security and trust. By analysing workflows, removing bottlenecks, and integrating automation, CI/CD, and DevSecOps, we will accelerate delivery cycles. This will improve reliability and enable teams to deliver higher-quality cloud services for sustained business value.

14. Digital asset management

GHD aligns cloud technologies, data and people to maximise value from assets. GHD's "Next Generation" digital asset management model assesses systems, integrates information and delivers clear roadmaps that strengthen decision-making. Combining asset management expertise with cloud delivery, we empower organisations to unlock value, optimise performance and develop asset management capabilities.

15. Earth observation data science

GHD delivers Earth Observation analytics on cloud platforms, using satellite imagery and remote sensing to generate advanced geospatial analytics which transform raw Earth observation data into actionable insights. We deliver end-to-end solutions from proof of concept to production, enabling informed decisions for environmental monitoring, infrastructure planning, and resource management.

Our services – 6 of 8

16. Geospatial big data engineering

GHD provides engineering solutions for geospatial big data on cloud platforms. We design and implement secure, scalable architectures that enable efficient processing of massive spatial datasets. We deliver scalable solutions that unlock the value of location-based data for complex analytics, supporting ecosystem assessments and natural capital decision making.

17. Information management

GHD's Information Management service helps organisations strategically manage and govern information across cloud environments. Aligned to ISO 19650, we balance people, process and technology to drive cultural change, establishing strong architectural resilience that deliver secure, structured, high-quality information to the right people, at the right time, to support confident decision-making.

18. LLM deployment

GHD's LLM Deployment service delivers enterprise-grade large language model solutions deployed on cloud platforms and tailored to your business needs. We provide secure, scalable, and domain-specific implementations that transform unstructured data into actionable intelligence, driving automation and innovation across workflows.

Our services – 7 of 8

19. Machine learning and modelling

GHD breaks down complex problems into approachable, statistically answerable questions. We design and deliver ontologies and taxonomies alongside sophisticated modelling, machine learning and AI, with technical experts who bring deep experience interrogating disparate, complex cloud data sources to produce robust, actionable insight.

20. Mobility intelligence

GHD uses cloud-enabled analytics to reveal how people move and interact with places. By combining mobile, transport and spend data with advanced modelling, we deliver clear, bespoke, evidence-based insight. This enables safer, better-designed environments, optimised operations, and confident investment decisions across planning, operations and major events.

21. Movement strategies

GHD's Movement Strategies service uses cloud-enabled analytics and modelling to deliver insightful people movement solutions for designing and operating busy places. We combine pioneering research and leading people movement consultancy to meet our clients' challenges, and deliver bespoke, evidence-based and practical solutions.

Our services – 8 of 8

22. Strategic modelling partnership

GHD's multi-disciplinary data consultants partner with your data teams to develop cloud-based analytical pipelines and models that drive effective, efficient decision-making. We co-develop data mesh, integration & engineering solutions to maximise skills transfer and embed them within your cloud systems, ensuring long-term, sustainable value.

23. Virtual site modelling

GHD's Virtual Site Modelling service creates immersive, data-rich digital twins of physical environments on cloud platforms, enabling stakeholders to visualise, analyse, and interact with sites remotely. We aggregate different data sets together, such as photogrammetry, LiDAR, BIM and GIS, providing full context of the site and corresponding assets.

Strategic insights

→ Cloud support services

Our services – 1 of 4

1. Agile transformation to support cloud services

GHD will support your teams to adopt Agile methodologies tailored to cloud environments prioritising rapid scalability, cost optimisation and behavioural change. GHD's agile approach emphasises cross-functional collaboration, iterative development and continuous integration empowering teams to rapidly deploy and optimise cloud solutions for maximum efficiency and value.

2. Business analysis & process improvement

GHD enhances how cloud programmes are designed and delivered by translating business needs into efficient, analytics-enabled processes. We analyse current operations, remove inefficiencies and redesign workflows using data and automation. This improves productivity, accelerates delivery and makes the value of cloud transformation visible, measurable and sustainable across the organisation.

3. Cloud migration business case support

GHD accelerates cloud migration with robust, evidence-driven business cases. We quantify benefits, model current and future service costs, and rigorously challenge vendor assumptions to reveal true operational value. Our tailored cost models empower clear decision-making, strengthen strategic alignment, and provide the tools for successful cloud transformation.

Our services – 2 of 4

4. Cloud operating models

GHD unlocks the full value of cloud by aligning skills, processes, operations, governance, security, and organisational design to your strategic goals. We co-design a future-ready operating model and actionable cloud transformation roadmap that drive measurable improvements and build a scalable foundation for long-term success.

5. Lean portfolio and PMO

GHD blends lean and agile expertise to accelerate cloud delivery and maximise portfolio value. Our Lean Portfolio and PMO approach drives faster and, smarter execution across cloud programmes, ensuring cloud programmes are tightly aligned to strategic goals. We streamline technology, operations, and decision-making to enhance overall performance.

6. Organisational change to support cloud service adoption

GHD accelerates successful cloud adoption by aligning people, processes and behaviours to new ways of working. We assess change readiness, design targeted data-led interventions and deliver clear communications and engagement which drives user adoption, reduces resistance and ensures cloud services are delivering sustained value.

Our services – 3 of 4

7. PMO operations

GHD provides high-performing teams to run and continuously improve your cloud PMO. Through proactive governance, automated reporting and data-driven control, we strengthen visibility, reduce delivery risk and optimise resources. We also embed knowledge transfer to build sustainable, long-term in-house capability that improves confidence across cloud programmes.

8. PMO strategy and design

GHD defines a fit-for-purpose PMO aligned to your cloud ambitions. We design governance, processes, roles and digital tooling to improve visibility, prioritisation and control. The result is a scalable, value-led PMO that strengthens assurance, accelerates delivery and enables confident, data-driven decision-making across enterprise wide complex cloud programmes.

9. Portfolio management strategy and design

GHD defines and designs a bespoke portfolio capability aligned with your organisations priorities. We shape governance, processes and tooling to prioritise investment, improve transparency and accelerate value delivery. The result is an actionable portfolio service that strengthens decision-making, optimises funding and resources, and delivers outcomes across change initiatives.

Our services – 4 of 4

10. Programme and project management

GHD delivers complex cloud initiatives through disciplined governance, clear accountability and outcome-led execution. With experienced leadership, robust controls and adaptable delivery methods, we align strategy, budgets and teams to reduce risk, accelerate progress and achieve sustainable change across large-scale cloud programmes.

11. Programme health check

GHD delivers rapid, objective assessments of cloud programme delivery and overall health. We review plans, performance and stakeholder sentiment to pinpoint risks, strengths and priorities. The result is a clear health report and a prioritised roadmap that enables corrective action, stronger governance and improved outcomes across complex cloud organisations.



*** Thank you**