



Infrastructure Insights Pro

G-Cloud 15 Service Definition Document

January 2026

Contents

1	Deloitte Overview	1
2	Service Overview	3
3	Detailed Service Description	5
4	Contact Details	8

1 Deloitte Overview

As a leader in professional services, Deloitte LLP is committed to making an impact to our clients, our people and for society. We have over 27,000 staff based across the UK providing audit, risk advisory, tax, consulting, financial advisory and legal services to public and private clients across multiple industries. We work together to build trust, support inclusive growth, and build capability, enabled by our **breadth and depth of expertise across advisory, delivery, engineering and managed services.**

Our **public sector practice** serves Central Government, Government Agencies, Local & Regional Government, Defence, Security and Justice, Health and Social Care, Transport, Education and Housing. We also provide services to the Northern Ireland Office, Scottish Government, Welsh Government and Crown Dependencies.

Our Cloud Capability

At Deloitte, we help our clients **Imagine, Deliver** and **Run** the businesses of the future through the power of **Cloud**. We have deep Cloud architecture, engineering, operational, commercial, and business transformation expertise delivered by a team of more than 26,000 Cloud Practitioners globally. We have delivered over 2,000 cloud implementations over the past 5 years and have 60+ cloud centres of excellence supporting the delivery of cloud services to our clients.

In the UK, we have a team of over 100 Cloud managed service specialists plus the following certifications across AWS, Microsoft Azure, Google Cloud and Oracle Cloud Infrastructure (OCI):



We help our clients with all aspects of their journey-to-cloud and optimisation of their cloud and cloud-services investments. Our Cloud practice can support you to optimise your client investments, and to navigate your organisations cloud journey, providing specialist cloud architecture, engineering, and operational skills at all stages, with a large proportion of our team holding the clearances required to meet your specific security requirements.

Our AI Capability

Deloitte stands at the forefront of AI transformation and was recognised as a Leader in the 2025 IDC MarketScape for Artificial Intelligence (AI) services for the fourth consecutive time. Supported by a £3 billion investment in AI, Data, Automation, Cloud, and Cyber, we seamlessly integrate our deep AI expertise with our extensive cloud capabilities. Our UK team is part of 339K AI-fluent practitioners globally, and includes over 1,300 AI specialists and engineers, many of whom hold the necessary security clearances for public sector delivery.

Through the Deloitte AI Institute, our hub for cutting-edge research and innovation, and strategic alliances with leading hyperscalers, we empower public sector clients to optimise costs, streamline processes, and navigate their AI journey. We achieve this by leveraging our ReadyAI™ models, which provide end-to-end support for AI solution implementation, and our Trustworthy AI™ framework, ensuring responsible and ethical deployment.

Our alliances & ecosystems

To bring full value to our clients, Deloitte is a premier consulting partner with all the leading hyper-scale cloud vendors in the market including AWS, Google, Microsoft¹ and SAP. A selection of our partners and alliances are presented below:



What the analysts say

Don't just take our word for it. Deloitte is recognised by the analyst community as being **leaders in cloud transformation services**. This reflects the wealth of experience we have in delivering cloud services across the public sector and wider private sector combined with our out-of-the-box templates, tools and assets.

Gartner

Originating in 2021, Deloitte has been recognised as a Leader in this category for four years in a row. Deloitte was also positioned as a Leader in the **Gartner Magic Quadrant for Public Cloud Infrastructure Professional and Managed Services, Worldwide** in 2021, 2020 and 2019, the previous form of this category.



Gartner

Gartner: Magic Quadrant for Public Cloud IT Transformation Services. © Gartner inc. 2025

IDC

Deloitte has been awarded Leader status in the **IDC MarketScape: Worldwide Industry Cloud Professional Services 2024** Vendor Assessment. We have also been recognised as Leaders in **Hybrid IT Consulting & Integration Services** and **Software Engineering Services**.



IDC MarketScape: Worldwide Industry Cloud Professional Services Vendor Assessment © IDC inc. 2024

Cloud Transformation

Transform Faster, Transform Smarter

Deloitte's Cloud Transformation can fast-forward your journey to the Cloud, unlocking innovation, efficiency, and growth.

[Find out more here](#)



¹ As Microsoft's Independent Auditor, Deloitte cannot have a direct or material indirect business relationship with Microsoft, such as having an alliance or being a registered partner. Nonetheless, Deloitte can provide Microsoft-related technology services and invests heavily across its global business building technical skills and capabilities to develop world-class consulting and solution delivery capabilities.

2 Service Overview

What is Infrastructure Insights Pro?

Infrastructure Insights Pro (IIP) is Deloitte's AI-augmented platform designed to transform how public sector organisations plan, build, manage, and modernise the UK's critical infrastructure. It ingests and integrates massive volumes of public, private, operational, and geospatial data, creating a single, interactive source of truth.

Using a natural language chat interface, intuitive geospatial maps, and advanced analytics, IIP allows users to move beyond static reports and gain actionable insights into complex infrastructure challenges. The platform democratises data, enabling smarter, faster, and more resilient decision-making to drive efficiency, growth, and long-term value for the public.

Key Features

Our approach is underpinned by a "See, Sense, Simulate, Shape" philosophy, enabling organisations to achieve a holistic understanding of their operating environment.

- **Unified Data Environment (See):** Combines disparate network, asset, and environmental datasets (e.g., traffic, weather, climate, land use, asset condition) into a unified, real-time view of infrastructure conditions.
- **AI-Powered Insights (Sense):** Leverages advanced AI and Machine Learning to detect trends, identify patterns, spot anomalies in usage, and pre-empt safety risks or climate vulnerabilities before they escalate.
- **Predictive Simulation (Simulate):** Allows users to model diverse scenarios (e.g., traffic changes, new housing developments, climate impacts) to assess performance, understand trade-offs, and de-risk investment decisions.
- **Informed Decision-Making (Shape):** Provides the evidence base to shape policy, optimise capital allocation, and guide operational planning for smarter, safer, and more resilient public services and infrastructure systems.

Key Benefits

- **Drastically Accelerated Insights:** Go from raw data to actionable insight at speed, reducing reliance on manual analysis and lengthy reporting cycles.
- **Enhanced Decision Confidence:** Base strategic decisions on a comprehensive, data-driven, and verifiable evidence base.
- **Improved Operational Efficiency:** Automate repetitive tasks, optimise resource allocation, and proactively manage assets to reduce costs and improve service delivery.
- **Increased Resilience:** Proactively identify and mitigate risks from climate change, asset degradation, and changing usage patterns.
- **Democratised Data Access:** Empower staff at all levels—from strategic planners to operational teams—to ask complex questions in plain English and get immediate, understandable answers.

Who is this Service For?

This service is designed for UK Government and Public Sector bodies with responsibility for national and regional infrastructure. This includes:

- **Central Government Departments:** Those responsible for policy and investment in transport, energy, environment, housing, and regional growth (e.g., DfT, DESNZ, Defra, DLUHC).
- **Regional and Local Government:** Combined authorities, local councils, and planning authorities seeking to manage local infrastructure, optimise land use, and deliver on Net Zero targets.
- **Transport Agencies:** Organisations managing road, rail, and public transport networks who need to improve safety, reduce congestion, and plan for future mobility needs like EV charging.
- **Public Bodies & Regulators:** Agencies managing critical assets such as water systems, energy grids, and environmental resources.

Example Scenarios

- **A regional transport authority needs to prioritise road safety investments.** Using IIP, they integrate crash data, traffic flow, and vulnerable road user information to identify and analyse high-risk hotspots, simulating the impact of different countermeasures before committing funds.
- **A central government department is tasked with accelerating renewable energy deployment.** IIP is used to overlay land use, grid capacity, and environmental constraint data to identify optimal, low-impact sites for new solar or wind projects.
- **A local planning authority is reviewing a major housing development application.** They use IIP to assess the proposal's impact on local traffic, public transport access, and flood risk, ensuring development is sustainable and supported by adequate infrastructure.

3 Detailed Service Description

Our Solution: The Infrastructure Insights Pro Platform

Public sector organisations face unprecedented challenges in managing the UK's critical infrastructure. Decades of underinvestment, combined with the urgent need to meet Net Zero targets and adapt to a changing climate, have created immense pressure. Decisions are often hampered by disconnected data, siloed departmental knowledge, and complex regulatory landscapes. This results in slow decision-making, inefficient investment, and missed opportunities to build a more resilient and sustainable future.

Infrastructure Insights Pro (IIP) is Deloitte's direct response to this challenge. It is an AI-augmented platform that transforms fragmented data into a single, actionable source of truth. By moving beyond static spreadsheets and reports, IIP provides a live, interactive environment where organisations can understand complex systems, simulate future scenarios, and make strategic decisions with confidence.

Our approach is guided by a "See, Sense, Simulate, Shape" philosophy, enabled by three core platform components:

- **The Chat Interface:** At the heart of the platform is a powerful natural language interface. It empowers any user—from an operational manager to a strategic planner—to ask complex questions in plain English and receive immediate, context-aware answers. This democratises data access, removing technical barriers and allowing teams to query vast datasets as easily as having a conversation.
- **The Geospatial Interface:** This provides an interactive mapping environment to visualise the complex interplay between assets, environment, and communities. Users can overlay dozens of data layers—such as traffic flow, flood plains, grid capacity, asset locations, and demographic data—to instantly understand spatial relationships, identify location-specific risks, and pinpoint opportunities.
- **The Data Intelligence Panel:** This serves as the analytical hub, presenting key insights through dynamic dashboards, charts, and performance indicators. It allows users to monitor system health at a glance, compare the potential impact of different scenarios, and track progress against strategic objectives, providing a clear evidence base for investment and policy decisions.

These user-centric interfaces are powered by a robust **Engineering Workbench** that leverages advanced AI and Machine Learning. The platform is built on a flexible, modular architecture that can be securely deployed within your chosen cloud environment, whether **Microsoft Azure, Amazon Web Services (AWS), or Google Cloud Platform (GCP)**, ensuring it aligns with your organisation's technology strategy.

Capabilities and Proven Impact

Infrastructure Insights Pro provides a suite of powerful capabilities to address the most pressing challenges across infrastructure planning, transport, and energy. The platform enables organisations to move from reactive problem-solving to proactive, predictive management of their assets and systems.

Key capabilities include:

Infrastructure & Planning Optimisation: Evaluate zoning, transport proximity, and environmental constraints to identify viable sites for development. The platform can drastically accelerate planning and permitting cycles by automating the analysis of complex regulations against site plans. For example, our Agentic AI solution can reduce permit review times from over 100 days to as little as one day by digitising institutional knowledge and automatically checking architectural drawings against nuanced code violations.

Transportation & Mobility Management: Integrate real-time geospatial and sensor data to predict travel demand, identify congestion hotspots, and optimise network flow. This enables smarter, more resilient mobility networks and supports the strategic planning of infrastructure like EV charging stations.

Proven Impact: Working with a US State Department of Transportation, Deloitte delivered a GenAI platform to identify high-risk crash locations and manage traffic congestion. The solution empowered Caltrans to enhance safety through targeted countermeasure recommendations, optimise resource deployment to stressed networks, and sustainably manage traffic flow with condition-specific strategies.

Land & Power Optimisation: Overlay environmental, demographic, and infrastructure data to assess land suitability for renewable energy projects. The platform uses satellite and sensor data to identify renewable potential, track vegetation health to mitigate risks like wildfires, and monitor natural systems for long-term resilience.

Proven Impact: For a major US Energy Utility, Infrastructure Insights Pro was used to analyse vegetation and asset data, identifying areas where growth would pose a wildfire risk in the next year. By automating reporting and work order generation, the platform improved risk management by enabling earlier detection of threats and demonstrated the potential to reduce the reporting cycle time by up to 80%.

Holistic Scenario Planning for Regional Growth: Integrate complex datasets covering transportation, land use, housing, and demographics to create a cohesive "digital twin" of a region. This enables planning authorities to manage economic and infrastructure risks collaboratively with all stakeholders.

Proven Impact: For a Metropolitan Planning Organization which faced significant economic and weather risks, Deloitte delivered a digital twin strategy using a precursor to the IIP platform. The solution established a single source of truth for over 35 state, regional, and local organisations, enabling them to coordinate infrastructure investment. This successful prototype allowed BMPO to secure a USDOT SMART grant to further develop the platform for housing and transportation use cases, demonstrating the power of a unified, data-driven approach to regional planning.

We have used the tool with UK Government organisations including, Great British energy, National transport for Wales and the mine remediation authority where we recently won a CMA award. All of these projects look at how to better understand infrastructure including national grids, planning, suitability and combining this with strategic and financial modelling,

Our Service & Delivery Partnership

Infrastructure Insights Pro is delivered as a comprehensive service, combining our powerful technology with a flexible, partnership-driven approach to ensure it meets your specific needs and delivers lasting value.

Flexible Delivery Models

We recognise that every organisation has different requirements. We offer four distinct delivery models, from a fully managed service to a licensed SaaS platform, allowing you to choose the commercial and operational approach that best aligns with your budget and technical capabilities.

Delivered by Experts

Whichever model you choose, the service is delivered by the Deloitte Sustainable Business Solutions team, a multidisciplinary group of UK-based and security-cleared experts. Our teams combine deep public sector knowledge with cutting-edge technical capability, including Transformation Consultants, Data Scientists, AI Engineers, and Geospatial Analysts. We work as a single, integrated team with your subject matter experts to ensure the solution is configured to solve your most pressing challenges.

A Partnership for Success

We view every implementation as a collaborative partnership. To ensure success, we work with you to establish clear objectives and secure the necessary inputs, including executive sponsorship and access to your key data sources and stakeholders. Our role is to provide the technology and expertise to generate trusted insights; your role is to use those insights to drive decisions.

While the platform is exceptionally powerful, it is important to note that the service does not include making final business or policy decisions on your behalf, nor does it include the creation of new primary datasets. Our focus is on empowering your organisation with the best possible intelligence, derived from your data, to enable smarter, faster, and more resilient decision-making.

4 Contact Details

Please send your requirement to publicsectorbidteam@deloitte.co.uk. Alternatively, if you wish to discuss your requirements in more detail, please send us the following information and we will be happy to contact you:

- Deloitte LLP
- Infrastructure Insights Pro
- James Cranswick (jcranswick@deloitte.co.uk)



This publication has been written in general terms and we recommend that you obtain professional advice before acting or refraining from action on any of the contents of this publication. Deloitte LLP accepts no liability for any loss occasioned to any person acting or refraining from action as a result of any material in this publication.

Deloitte LLP is a limited liability partnership registered in England and Wales with registered number OC303675 and its registered office at 1 New Street Square, London, EC4A 3HQ, United Kingdom.

Deloitte LLP is the United Kingdom affiliate of Deloitte NSE LLP, a member firm of Deloitte Touche Tohmatsu Limited, a UK private company limited by guarantee ("DTTL"). DTTL and each of its member firms are legally separate and independent entities. DTTL and Deloitte NSE LLP do not provide services to clients. Please see www.deloitte.com/about to learn more about our global network of member firms.

© 2026 Deloitte LLP. All rights reserved.

