G-Cloud 15

PwC Sustainability & Climate Change Services

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Transforming Business using the Cloud

Enabling business and enterprise transformation using cloud is a complex, strategic consideration facing many private and public sector organisations. We have worked with many Central and Local Government clients to support the implementation of their business objectives using cloud technology.

Cloud technology and services have the potential to reduce cost, remove technology bottlenecks, and facilitate rapid business innovation. As a result, for most organisations globally, adopting cloud technology has become a question of "when and how" rather than "if".

Opportunities for enterprises generally include a combination of one or more of the following:

- Implementing private and/or hybrid clouds for infrastructure and applications
- Smarter use of public cloud infrastructure for optimising existing business functions
- Using cloud for implementing new business services or digital operations
- Reducing cost by moving to consumption-based pricing models that only charge for the actual IT capacity and services used.

Migration or adoption of cloud must be properly choreographed for success. We understand the realities and the business and technical risks that should be fully considered, understood and mitigated before such a move. Critical considerations include:

- **Alignment of business and technology objectives.** This is essential to fully realise the targeted benefits of any cloud transformation or any refinement of existing cloud services. There can be a tendency to adopt cloud systems to fit current ways of working, rather than adopt and standardise processes where possible. The trade-offs between business, customer and technology requirements must be considered to make informed design decisions
- **Availability and reliability of services.** The avoidance of operational downtime to mitigate in lost revenue, unnecessary operational cost or reputational damage that can disrupt a business' operations
- **Decentralised support structures.** The need to tailor and revise the approach to operational security to cover the support structures employed by cloud service providers that will have a different risk profile for sensitive information.
- **Data handling practices.** Data classification and data-handling practices that reflect the data flow within a cloud environment must be understood and tailored accordingly to protect customer data.

- **Data privacy.** Compliance with GDPR to understand where and how information can be stored or processed. The cloud model enables data to bounce swiftly around the world by using available server capacity in various geographic locations, but this must be within the bounds of what is permissible. This is ever more of a concern as organisations review their front office, back office and out of office experiences.

- **Future Technology Trends.** Cloud applications are the stated direction of travel for the major application vendors, but any upgrade path must also cater for the future technology needs of the organisation and seek to minimise technical debt where possible.

A careful assessment of an organisation's needs and different cloud service provider's controls is required, enabling concerns to be addressed and the correct path to the cloud is selected.

As a trusted advisor PwC provides the framework, and the wealth of private and public sector experience, to consider the combination of Business, customer experience and Technology activities outlined above. There is no single answer that covers each and every client organisation; we tailor our frameworks to client circumstances to support clients:

- As a partner through the complete lifecycle of strategy through to execution

- With point business issues encountered during implementation or running the business.

Sustainability and Climate Change Services

This section describes in more detail the service features and benefits included within this service definition document.

G-Cloud Cloud Sustainability and Climate Change Services Description

PwC helps organisations with Sustainability and Net Zero strategy development and execution. We offer a full suite of strategic and operational services, cloud software, and software services to support at any stage along an organisation's journey to Net Zero. PwC brings together industry and sector experts, operational delivery specialists, and near-shore delivery centres to utilise specialist expertise, data, and technology to deploy bespoke and standardised solutions.

Sustainability and Climate Change Services Features

- Net Zero strategy
- Emission footprinting and baselining
- Physical climate risk analysis
- TCFD analysis and disclosures
- Sustainability Reporting and Assurance
- Net Zero roadmap planning and project management
- Net Zero data management
- Green Fund and case Management
- Regulatory compliance

Sustainability and Climate Change Services Benefits

- Demonstrate to stakeholder groups that emissions are carefully considered
- Report emissions data accurately and in line with regulations
- Deploy the latest Net Zero cloud technology
- Utilise a combination of in-house tools and partner cloud software
- Access subject matter expertise and cost-effective operational delivery teams
- Leverage good practice techniques aligned to industry standards
- Deploy flexible and responsive resources at scale

Our view on the service features and benefits within this service definition document are presented below:

1. Net Zero Strategy

PwC has engaged clients in sustainability and climate change for more than 20 years, and services over 3,000 ESG clients. This breadth of experience has shown that decarbonisation journeys require a combination of strategic, technical, and commercial skills to be successful.

PwC, therefore, helps organisations by bringing together specialist multi-disciplinary teams and operational delivery centres to:

- Understand and evaluate strategic sustainability issues for organisations
- Assess the business case for change and sustainable investments
- Develop and implement business strategies and decarbonisation actions which have sustainable development issues at the core.

2. Emission Footprinting and Baselining

Using the latest cloud software, PwC helps to establish an emissions baseline, identify and prioritise climate risks and opportunities, understand current state of performance against peers, and assess the value implications as part of a strategic case for action and goal setting.

Emission footprinting and baselining is a service that uses Net Zero cloud software to establish an organisations carbon baseline including Scope 1, 2, and 3 emissions and provides data visualisation and reporting functionality. Using Net Zero cloud software significantly increases the speed at which you can collect and collate data across Scope 1, 2 and 3 through direct integration with existing cloud applications. The data is used to support decision making and planning for decarbonisation to Net Zero.

3. Physical Climate Risk and TCFD Disclosures

PwC Climate Risk Analysis utilises a cutting-edge software tool-set, aligned to the latest IPCC climate scenarios, and powered by a 3rd party data provider, to identify physical risk hotspots and extreme hazards across an organization's value chain or portfolio in the short-, medium-, and long-term.

4. Sustainability Reporting and Assurance

Transparency in internal and external measurement and reporting is an increasingly important facet to businesses being able to attract and retain responsible investment, as well as for managing the reputation of the business. Using cloud software, PwC helps organisations to leverage analytical capabilities to accelerate time to insights, and drive action against key objectives of reducing full emissions.

PwC incorporates a range of standards, data management, and reporting templates to deliver on Net Zero strategies. We offer clients either reporting or assurance services, supported by experts from our Sustainability & Climate Change, Risk, and Audit practices.

5. Net Zero roadmap planning and project management

PwC Net Zero planning and project management (PMO) is a service that applies:

- A Net Zero lens to new and existing programmes

- Project management activities to align them to Net Zero targets and requirements.

We understand the need for effective process, governance, and assurance in delivering Net Zero projects.

Our methodologies and processes leverage good practice techniques to deliver the quality outputs and to adhere to industry standards. PwC guides organisations through stages of data gathering, analysis and ultimately audit and publication to make the process of carbon accounting easier.

6. Net Zero data management

Organisations find it increasingly difficult to gather, visualise and analyse their emissions data, especially from across their supply chains. Technology, data, and automation tools are at the core of PwC services. These can be adapted to suit client requirements, allowing us to speed up delivery, improve quality, and work more efficiently.

PwC takes an adaptable approach to data and technology, using a combination of in-house tools, alliances, and client platforms to create best fit solutions that suit client specific needs. Using best-in-class methods and knowledge, we provide our clients with the right blend of the technical expertise and business understanding through a range of data and analytics services.

To deliver relevant insights and scenario analysis that support decision making we integrate client data with our own, and third-party data. Net Zero cloud software solutions provide the ability to identify any gaps in the data, supports gap filling through averaging, and also easy identification of data outliers to ensure high quality data and outputs.

7. Green Fund and Case Management

PwC Green Fund Management is a service that applies a Net Zero lens to the cost-benefit analysis, required for Government spend business cases, by way of an Environmental Impact Calculator.