



HITACHI

Hitachi Solutions Europe

G-Cloud 15 Service Definition Document

Platform Engineering for Azure

Platform Engineering for Azure

What the service is, what you get, and the benefits

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Service Description

Build and run secure Azure platforms that enable teams to deliver faster. We design landing zones, governance, identity and networking, and automate environments using infrastructure as code. Set up CI/CD pipelines, self-service templates, observability and SRE practices, and guardrails to support compliant delivery across programmes.



Service Features

- Azure landing zone design and build.
- Infrastructure as code using Bicep or Terraform.
- Role-based access control (RBAC) and Azure Policy guardrails.
- Identity integration with Microsoft Entra ID and conditional access.
- Network architecture: hub-spoke, private endpoints, Domain Name System.
- Build and release pipelines with Azure DevOps or GitHub.
- Self-service environment templates and developer enablement patterns.
- Monitoring and logging with Azure Monitor and Log Analytics.
- Secure-by-design patterns for Azure Kubernetes Service and data.
- Site reliability engineering runbooks, support model and platform backlog.



Service Benefits

- Accelerate delivery with repeatable, automated Azure environments.
- Improve security through guardrails and least privilege access.
- Reduce platform drift using infrastructure as code.
- Enable self-service provisioning while maintaining governance controls.
- Increase reliability with monitoring, alerting and resilient patterns.
- Simplify onboarding with standard templates and clear documentation.
- Reduce time to create secure network and identity baselines.
- Support assurance with auditable configurations and deployment evidence.
- Improve cost control through standard sizing and shared services.
- Scale delivery across teams using platform product management.



Platform Engineering for Azure

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A secure Azure foundation teams can use without reinventing it



What this service is for

Standardise the platform, then make delivery repeatable

Teams often lose weeks creating environments, chasing approvals, and fixing “one-off” cloud setups. This service puts a clear Azure platform baseline in place so delivery teams can start quickly and stay within agreed controls.

We design the landing zone, identity, networking and governance, then automate them using infrastructure as code. We also add the day-2 essentials: pipelines, templates, monitoring and SRE runbooks, so the platform is usable, supportable, and consistent across programmes.

Key outcomes: Repeatable environments | Clear guardrails | Faster team onboarding | Reduced platform drift | Assurance-ready baseline



Why this service is useful

Turn platform friction into a predictable delivery path

A good Azure platform removes hidden work from every sprint: manual setup, inconsistent security controls, and “it works on my subscription” issues. By codifying standards (identity, network, policy, pipelines), teams can ship changes sooner, with fewer incidents and clearer ownership.

It also supports governance without slowing delivery: controls are built into templates and pipelines, and configurations are consistent and reviewable. This makes it easier to scale delivery across multiple teams while keeping cost, risk and operational load under control.

Common triggers: Multiple teams scaling Azure | Slow environment provisioning | Audit or assurance actions | Inconsistent RBAC/policy | Network complexity blocking delivery | Rising incidents or cost



Why this service is different

Platform as a product, not a one-off project

We treat the Azure platform as a shared product with clear standards, a prioritised backlog, and practical enablement for delivery teams. That means templates people can actually use, patterns that reduce design debates, and runbooks that support BAU ownership.

Our approach is decision-led and evidence-friendly: we agree guardrails early, implement them as code, and make the “proof” a by-product of delivery. We focus on repeatability across programmes, not bespoke setups that create long-term support risk.

Differentiators: Automation-first baseline | Built-in guardrails | Operability from day one | Reusable patterns | Evidence by design

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"Building secure, scalable, and cost-optimised cloud foundations for long-term success."

Client Challenges

Unstructured cloud foundations

Ad hoc environments with inconsistent governance, fragmented security, and limited scalability.

Escalating cloud spend

Lack of visibility, poor resource utilisation, and missing FinOps practices leading to budget overruns.

Security & compliance gaps

Misconfigured services and inconsistent controls expose the platform to risk and regulatory non-compliance.

Limited AI-readiness

Cloud environments lack the scalability, data pipelines, and governance needed to support enterprise AI initiatives.

Our Solution



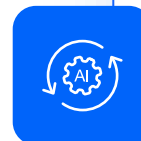
Well-Architected, Cloud Foundations

Design and deploy secure, scalable Azure landing zones with the controls, data access, and infrastructure needed to support AI applications.



Built-in Security & Compliance

Apply Zero Trust principles, identity governance, and regulatory alignment from day one to reduce risk and improve trust.

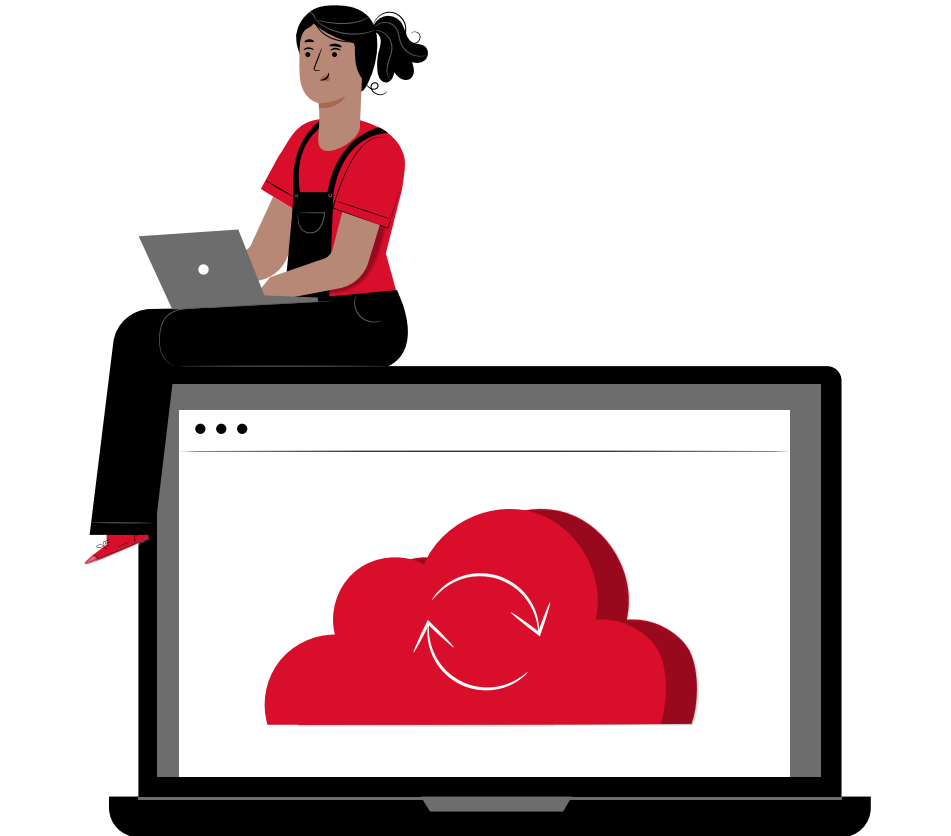


Operational Efficiency with AI in Mind

Enable automation, Infrastructure-as-Code, and DevOps to support agile workloads — with telemetry and policies in place to support future AI scalability.

Platform Engineering for Azure - Objectives

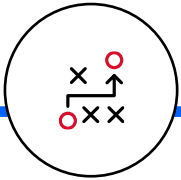
- **Establish a Cloud foundation for Hosting and App Modernisation**
 - Create the foundation for a future cloud migration
 - Align to organization needs
 - Create policies to control Cloud usage
 - Adopt infrastructure as code DevOps practices
- **Create a Hybrid Cloud Operating Environment**
 - Extend your data centre into the Azure Cloud
 - Establish a set of cloud shared services
 - Adopt Azure ISO27001 and PCI blueprints
- **Gather data for further Landing Zone activities**
 - Identify requirements for future Application Zone(s)
 - Identify new technology workstreams (security and app)



Platform Engineering for Azure - Example Proposal

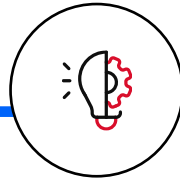
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Scope of work over 8 weeks



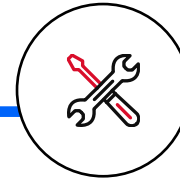
Define Strategy

- ✓ Establish current and future landing zone use cases
- ✓ Review Organisation governance and security policies



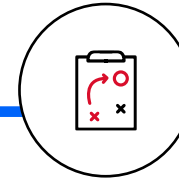
Architect Solution

- ✓ Conduct design workshops (typically 3 – 5 total)
- ✓ Create Landing Zone design



Build Landing Zone

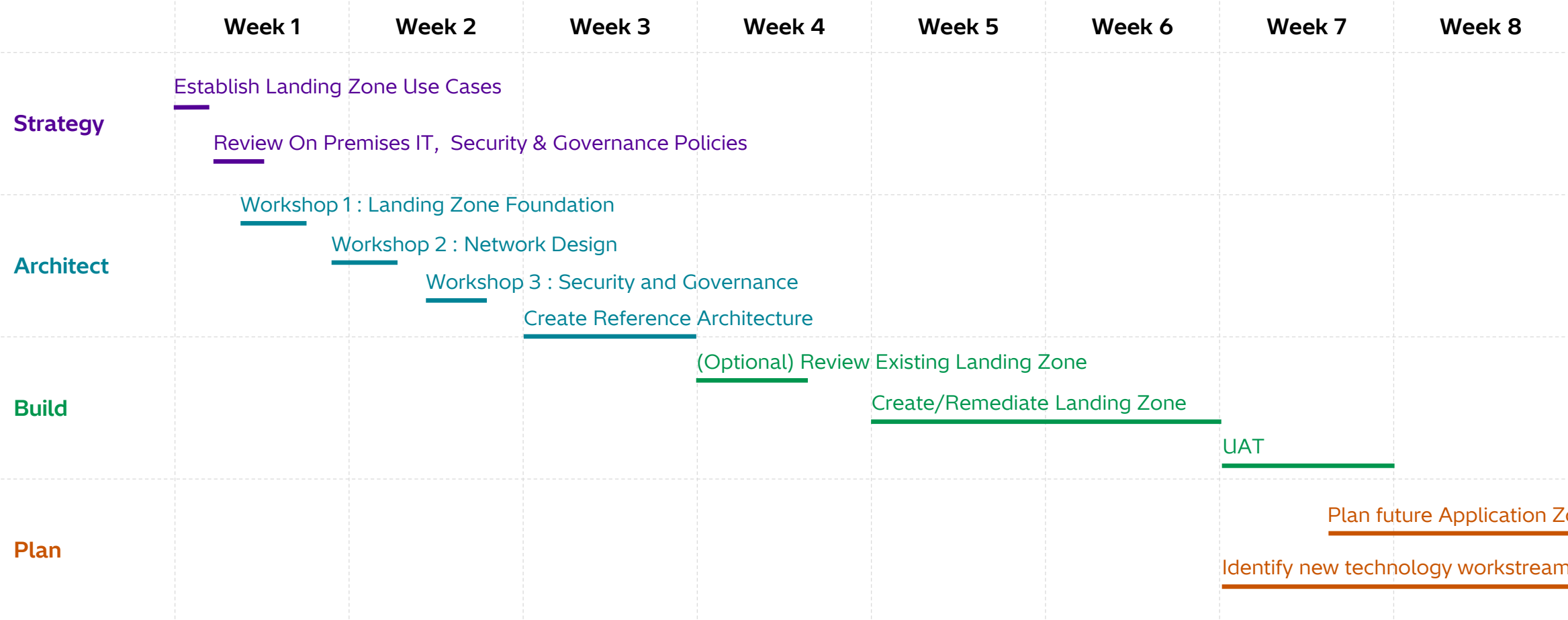
- ✓ Build Landing Zone using Infrastructure as Code (IaC)
- ✓ Test Landing Zone features with customer



Plan Future

- ✓ Plan future application zone workstreams
- ✓ Identify additional technology workstreams

Example Timeline for the Project



Azure landing zone reference pattern (example)

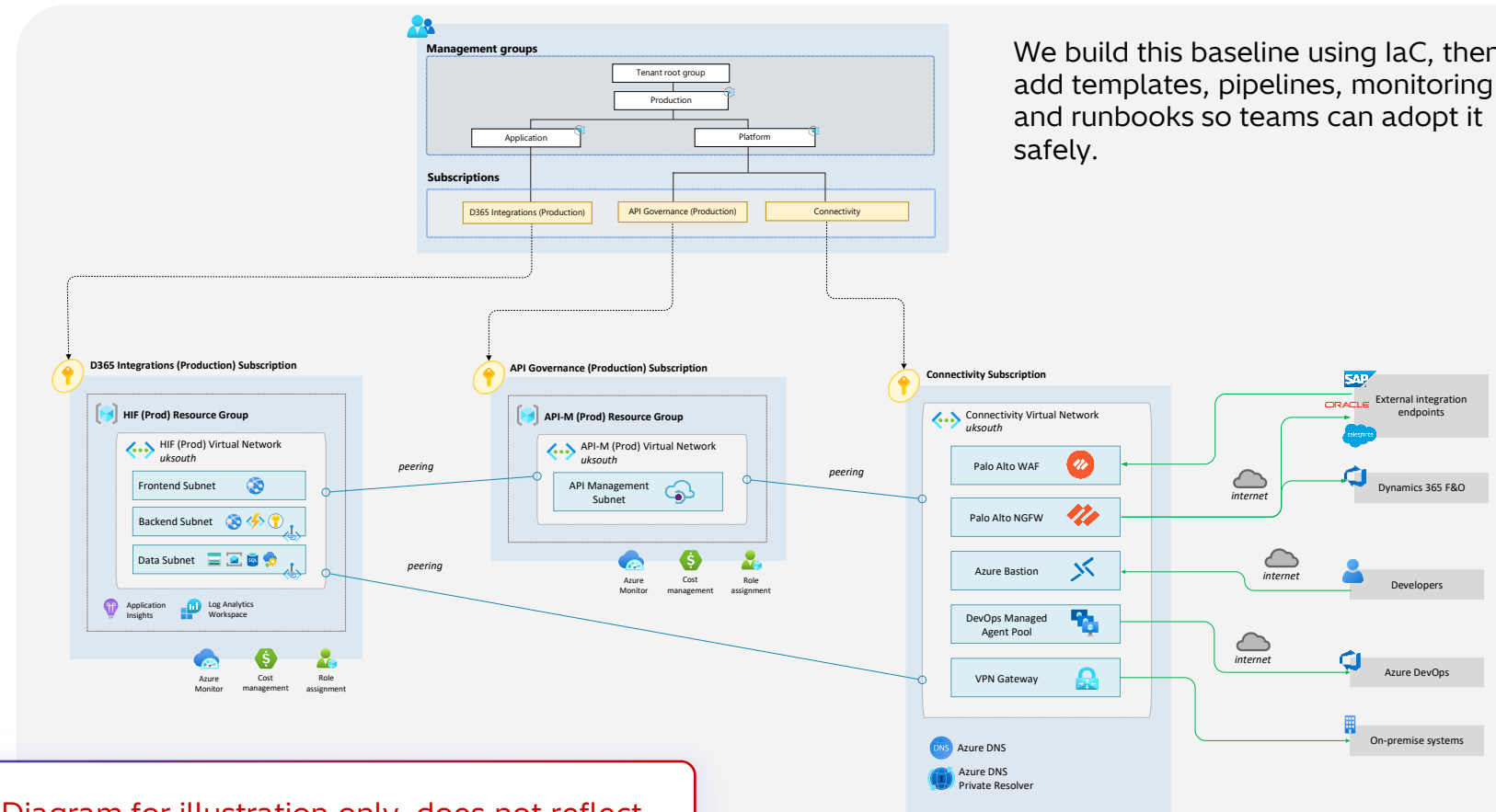
An illustrative baseline showing how we standardise governance, identity, networking and shared services.

Teams lose time when every project rebuilds Azure foundations from scratch.

This reference pattern shows the baseline we put in place so teams can start delivery quickly, with consistent guardrails and shared services.

We tailor the final design to your security, network and operating model constraints (where required).

The goal stays the same: repeatable environments, clear ownership, and an evidence-friendly configuration for assurance and audit.



We build this baseline using IaC, then add templates, pipelines, monitoring and runbooks so teams can adopt it safely.



Diagram for illustration only, does not reflect any legitimate design to be progressed.

Network Topology

How we build the network architecture

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Design: Hub-spoke network | IP plan | routing | DNS model

Secure connectivity: Private Endpoints + Private DNS | controlled ingress/egress

Guardrails: RBAC + Entra ID/Conditional Access | Azure Policy (where required)

Build (IaC): Landing zone via Bicep/Terraform | reusable modules/templates

Automate: CI/CD pipelines (Azure DevOps/GitHub) | self-service environment provisioning

Operate: Azure Monitor + Log Analytics | SRE runbooks + platform backlog

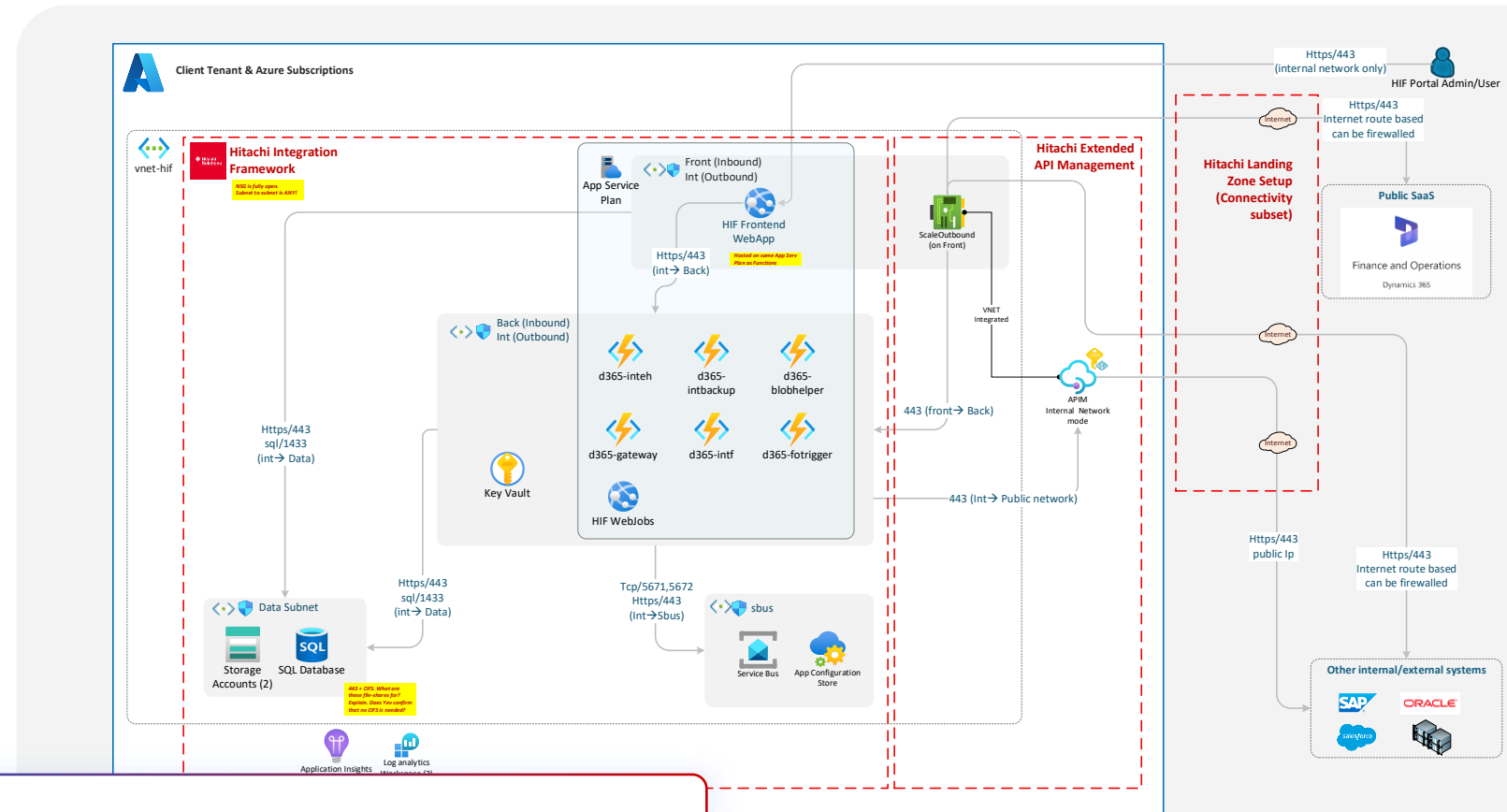


Diagram for illustration only, does not reflect any legitimate design to be progressed.

The Hitachi logo is displayed in a bold, white, sans-serif font in the upper right corner of the image. The background is a photograph of a grand, multi-story classical building with a curved facade, many windows, and a balcony with a decorative railing. A large Union Jack flag is flying from a pole on the right side of the building. The overall image has a muted, greyish tint.

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UK Government Overview

Hitachi Solutions for the UK Government

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Our **vision** is to be government's partner of choice for the design and delivery of **sustainable, human-centred, Microsoft Solutions and digital services**.

Human-centred Services

Every service starts with people and how technology can make their day simpler.

+

Deep Microsoft Expertise

Hitachi Solutions is dedicated exclusively to the Microsoft ecosystem.

+

Emotionally Aware Delivery

Our former civil servants bring deep understanding and cultural alignment.

=

+

One Hitachi

Hitachi Solutions is part of Hitachi, Ltd., one of the world's largest and most respected organisations.

Sustainable government transformation.

Human-centric by default.

Powered by Microsoft.



Our Credentials

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Microsoft



Microsoft global Government and Finance
Partner of the Year 2025

Microsoft Partner of the Year 2025 Finalists in
Build and Modernise AI Apps, Dynamics 365
Supply Chain, Dynamics 365 Sales and Customer
Insights, and Low Code Application Development

22 Years in **Microsoft's Inner Circle**
(including 2025)

Microsoft Solutions Partner across AI Business
Solutions, Cloud and AI Platforms and Security
with **18+ specialisations**

Industry



Keystone member of the **Government Digital
Sustainability Alliance**

Crown Commercial Service Supplier

Cyber Essentials Plus Certified

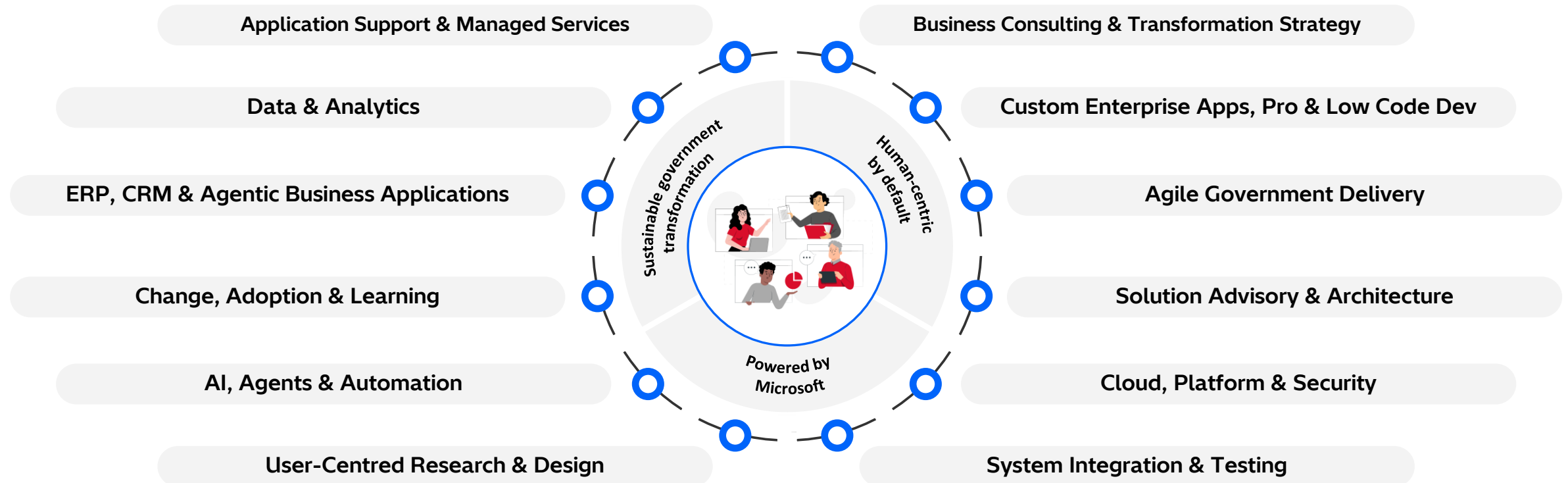
ISO-certified across Quality, Environment, Service,
Business Continuity, Information Security, and
Privacy Management

Recognised in the **Smarter Working Live Awards**
for our regulatory services Customer Experience
work with the Environment Agency

Our Services and Expertise

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Sustainable business transformation through tailored advisory, consulting, and technology solutions.



Our Clients

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"Hitachi Solutions brings substantial digital expertise to the table, complementing our robust business experience. Their insights have been instrumental in identifying opportunities for enhancement and accelerating our initiatives."

Gillian Pratt

Deputy Director Future Regulation
at Environment Agency



"Hitachi Solutions brought in a great project team who we kept for the full duration; they engaged with The Royal Mint side of things very effectively. It really felt like they were part of our own team."

Richard Hobbs

CIO The Royal Mint



"Hitachi Solutions bring the innovation, space and expertise needed to deliver digital transformation at a pace that is needed."

Andy MacDonald

Director of Customer Services,
Aberdeen City Council



"Hitachi Solutions were really good to work with, expertly turning our processes into slick system functionality. Their patience, understanding and "one team" approach to this project facilitated a free-flowing, inclusive environment. Hitachi Solutions' expert technical teams have delivered a great user experience, employing creative thinking to deliver to our often complex requirements."

Daniel Saward

OIA Head of Digital Technology



"DHSC collaborates closely with Hitachi Solutions LTS, emphasising the significance of our enduring partnership characterised by collaborative teamwork and mutual trust. Operating with a framework of high trust and capability, Hitachi Solutions ensures the delivery of quality and excellence to DHSC. Hitachi Solutions should be very proud of their track record in DHSC."

Bryan Rayner

Head of IT Business Systems



"Right from the start, we recognised in Hitachi Solutions a potential partner that would listen to us and really recognise the value of what we were trying to achieve, the lifesaving benefits of what we were trying to build and support."

Alex Duncan

Chief Technology Officer



Centre for Environment
Fisheries & Aquaculture
Science



Department
for Environment
Food & Rural Affairs



Valuation Office
Agency



HM Revenue
& Customs



Rural Payments
Agency



City of Westminster



Homes
England



THE ROYAL BOROUGH OF
KENSINGTON
AND CHELSEA



UK Export
Finance



Forestry and
Land Scotland
Coilltearachd agus
Fearann Alba

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