

Azure Data Engineering



Service Overview

Telefónica Tech is a fully certified Microsoft Data and AI Solutions Partner with advanced specialisation in Analytics, AI and Machine Learning, and holds the prestigious Azure Expert Managed Service Provider (MSP) certification, as well as Microsoft accredited Advanced Specialisations in Analytics on Microsoft Azure, Infrastructure and Database Migration to Microsoft Azure, AI and Machine Learning on Microsoft Azure, Microsoft Azure Virtual Desktop, and Cloud Security.

We have around 140 consultants dedicated to Data & AI, supporting clients to envisage future state, define strategy and roadmap, accelerate implementation of data & AI solutions via proven frameworks, and provide operational support including DataOps and MLOps. Our Azure Data & AI Platform Accelerator, built on Azure Data Factory and Databricks, supports Data Lakehouse architecture and is delivered by Databricks certified engineers and Partner Champions, combining over 15 years of proven data and analytics platform delivery. We provide end-to-end consultancy and operational services for data engineering, including data platform assessment, design, build, migration, optimisation, and ongoing management, utilising trusted platforms such as Microsoft Azure and Databricks.

Our data engineering capabilities include deploying, managing, and optimising application platforms in any destination, including public cloud, using infrastructure as code. We have a dedicated team skilled in developing new applications and integrating existing ones, including APIs, microservices architectures, and containerisation technologies like Docker and Kubernetes. We manage databases, implement data warehouses, and utilise BI and analytics tools to derive insights from data, with end-to-end support of the data platforms we design and implement. Performance monitoring and optimisation capabilities are provided, with expertise in monitoring application performance, identifying bottlenecks, and optimising resources for efficiency, cost, and scalability.

Telefónica Tech provides operational services including rapid response teams for incident management, troubleshooting, change management, capacity planning, and resource management, ensuring minimal downtime and maintaining business operations. We support all phases of data platform development, from requirements definition and design to development, deployment, maintenance, performance tuning, and monitoring.

Our teams work with solution architects to translate their vision and with data scientists, data engineers, IoT specialists, and AI developers to build complete end-to-end data solutions. We help clients define and implement governance frameworks that improve data quality, security, and compliance. Our DBA as a Service offering provides expert administration for on-premises and cloud databases including SQL Server, Azure SQL, and more. Telefónica Tech's Data & AI practice is built around a team of over 200 data specialists, including Databricks certified engineers. Our Landing Zone accelerator helps you establish a compliant, production-ready Azure foundation in days, built with governance. We offer rapid ingestion from diverse sources into data lakes with automated, scalable services. Our multi-purpose framework supports cloud migrations and application integrations ensuring data flows securely and efficiently across environments.

We offer comprehensive Power BI services including proof of concept, governance, migration, and enablement. We have delivered successful data engineering projects for clients such as Zurich (data engineering and strategy), Wesleyan (data platform build, data science model build, and Power BI governance), Fintrax Group (data warehouse and BI solution review and enhancement), IFGL (data strategy and platform roadmap), Manchester Airport Group, NHS Blood & Transplant, and Eli Lilly. Our approach ensures excellence in both managed and unmanaged services, with granular tagging, subscription, and workload separation to support billing, reporting, and compliance.

Our offering includes the following features:

- Unified platform for Data Engineering and Data Science (AI)
- Bring together disparate data sources to a single platform
- Connect to on-premises and cloud data sources, securely
- Full enterprise-class, petabyte scale Data Analytics experience
- Take advantage of Telefónica Tech's cloud platform frameworks
- Flexible engagement approach – quickly deliver a POC
- Quickly deploy a cloud based platform (CI/CD, DevOps)
- Transact-SQL queries across relational and non-relational data.
- Integrated with Power BI, Machine Learning, Apache Spark, Data Lakehouse
- Secure by design (VNets, Private Endpoints, RBAC)

Our Deliverables:

- Prepare architecture, platform and data for advanced analytics
- Works seamlessly with other Azure BI components
- Make your data available to other processes and services
- Address complex reporting needs with visual dashboards
- Provide a data science platform for complex analysis
- Visualise reports and dashboards on mobile devices
- Measure performance against business and customer KPI's
- Secure by design

Why Telefónica Tech?

1. Our Propel method gets you from idea to working solution fast. This lets you unlock value quickly from your modernisation initiatives.
2. We have deep expertise across the full app stack with proven customised solutions that speed your modernisation.
3. We help you adopt change with less risk and disruption, using modular delivery that keeps compliance and quality high.

We focus on high-value apps and features that deliver clear business impact.

Additional Services to Elevate Your Business

Cloud Strategy

Scale cloud adoption for maximum business impact.

GreenOps

Measure and optimise your cloud carbon footprint, making your cloud operational sustainable.

FinOps

Optimise your cloud spending and boost financial accountability.

Multi-Cloud

Deliver workload freedom by deploying your workloads across multiple cloud providers seamlessly.

Cloud Managed Services

Expert management and support for your cloud environment.





Leading the Way in *Digital Transformation* for our Customers

Telefónica Tech unlocks the power of integrated technology, bringing together a unique combination of the best people, with the best tech and the best platforms, supported by a dynamic partner ecosystem to make a real difference to every business, every day.