

# Trusted Research Environment



## Service Overview

Telefónica Tech's Trusted Research Environments (TREs) service designs, implements, and operates highly secure, fully governed environments that allow authorised users to access, process, and analyse sensitive or confidential data under tightly controlled conditions. These environments are purpose-built to support advanced research, analytics, and data science workloads whilst maintaining strict compliance with data protection legislation, organisational governance obligations, and ethical standards.

Each TRE is engineered to minimise the risk of unauthorised access, data leakage, or inappropriate use. This is achieved through a layered security model that integrates robust technical controls, rigorous governance processes, and proactive operational oversight. Typical safeguards include role-based access controls, multi-factor authentication, encryption, network isolation, controlled data ingress and egress workflows, and comprehensive monitoring of user activity.

By providing a secure, auditable, and policy-driven workspace, the service enables organisations to make high-value datasets available for legitimate research without exposing raw data to unnecessary risk. Researchers can derive insights, perform statistical analysis, and develop data-driven models in an environment that ensures transparency, accountability, and demonstrable compliance with regulatory and ethical requirements. This approach not only protects the data itself but also strengthens trust with data owners, partners, regulators, and oversight bodies, supporting responsible innovation and repeatable, scalable research practices.

### Key Features and Benefits:

- Secure, isolated environments for analysing sensitive and confidential data
- Controlled user access with strong authentication and role-based permissions
- Data ingress, egress, and disclosure controls to prevent unauthorised extraction
- Auditing and monitoring of user activity and data access
- Support for analytics, statistical analysis, and data science workloads
- Alignment with organisational data governance and assurance frameworks
- Secure collaboration for approved users within the environment
- Security by design, including encryption, network isolation, and policy enforcement
- Enables safe use of sensitive data for research and analysis
- Reduces risk of data breaches and unauthorised data disclosure
- Supports compliance with data protection, ethical, and governance requirements
- Builds trust with data owners, partners, and oversight bodies
- Improves visibility and accountability through auditing and monitoring
- Allows insight generation without moving or exposing raw data
- Provides a repeatable, scalable approach to secure research environments

## 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

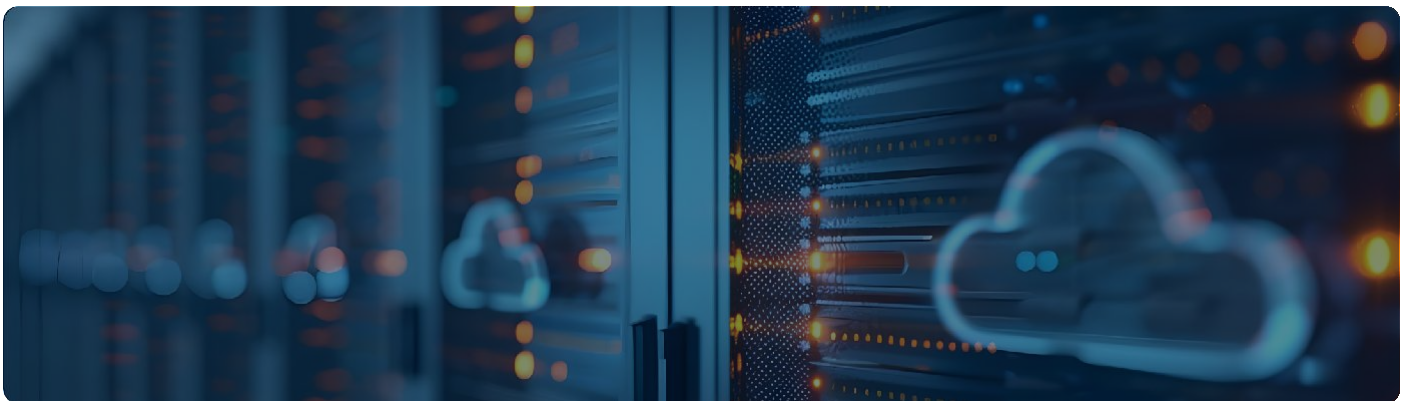
Optimise your cloud spending and boost financial accountability.

### 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.