

E-HEALTH AND SOCIAL

Diagnostic medical imaging with AI

HOW CAN TELEFÓNICA TECH HELP?

AI-powered diagnostic imaging to accelerate and improve clinical accuracy

Artificial intelligence applied to medical imaging diagnostics allows clinical workflows to be transformed using advanced algorithms that act as a second expert reading. Telefónica Tech provides healthcare professionals with comprehensive solutions that detect and monitor anomalies in radiological images, improve diagnostic accuracy, speed up response times, and optimize Triage. Our solution adapts to the clinical priorities of each center, with an agnostic approach to technology selection and seamless integration into existing systems.

We have a robust catalog of CE-marked algorithms, ready for clinical use, covering multiple areas such as chest, breast, brain, prostate, and dermatology. This end-to-end proposal promotes more efficient, reliable, and patient-centered medical care, supporting professionals in their decision-making without altering their care dynamics.

WHO IS THIS SERVICE FOR?



Emergency rooms and primary care settings, where patients need to be prioritized quickly and efficiently, optimizing clinical decision-making with the support of AI in the face of a shortage of professionals in these environments.



Radiology, dermatology, and other specialty services that perform diagnostic imaging tests and wish to reinforce the interpretation of results with a second expert opinion based on AI.



Public or private healthcare institutions seeking to increase their efficiency and reduce waiting times for imaging tests.

OUR VALUE PROPOSITION

Our service

We offer a comprehensive medical imaging diagnostic solution based on artificial intelligence, designed to integrate seamlessly into existing clinical workflows. We support professionals from the identification of the use case to the end-to-end implementation of CE-marked algorithms, ready for clinical use. Our agnostic approach ensures the selection of the most appropriate technology for each healthcare environment, without altering the installed infrastructure. We also connect non-intrusively with PACS/RIS systems, complying with interoperability, traceability, and security standards. Our catalog covers multiple specialties (chest, breast, brain, prostate, skin, etc.), offering an expert second-reading tool that enhances accuracy, optimizes Triage, improves the clinical experience, and enables faster and more reliable decision-making.

What does it allow you to do?

Our solution allows you to transform the diagnostic process through the real clinical use of advanced artificial intelligence, improving both the efficiency and quality of medical care:

Strengthen medical decision-making

Algorithms act as a second expert opinion, helping to detect and monitor anomalies with greater sensitivity.

Reduce response times and prioritize patients

Automate Triage and streamline report generation, reducing bottlenecks in critical areas such as radiology or emergency rooms.

Seamlessly integrate into existing workflows

Compatible with current hospital systems (PACS/RIS), without disrupting care dynamics or requiring complex developments.

Benefits

Improved diagnostic accuracy

Algorithms help identify anomalies more reliably and consistently, reducing human error and clinical variability.

Reduced response times

Reports are generated faster and critical cases are automatically prioritized, reducing waiting times and pressure on healthcare services.

Optimization of care flows

The solution adapts to the usual workflow, seamlessly improving operational efficiency without disrupting clinical processes.

Scalability and technological flexibility

The agnostic approach allows you to select the best algorithms for each clinical need and easily scale their use in different areas.

Telefónica Tech's differential value



Agnostic approach focused on clinical priorities

We do not propose a single technology: we evaluate each healthcare context to offer the most effective algorithms, aligned with the real medical challenges of each specialty.



End-to-end integration into existing healthcare systems

Our solution does not require major changes to infrastructure: it connects directly to medical imaging systems (PACS/RIS), ensuring interoperability and continuity of care.



Robust and validated clinical catalog

We offer a portfolio of CE-marked algorithms ready for clinical use, covering key specialties such as chest, breast, brain, prostate, and dermatology. This allows for immediate action with guarantees of security and compliance.

EQUIPMENT, TEAMS AND ACHIEVEMENTS

Our teams

- 400 professionals dedicated to AI for business and public administration customers.
- 10 specialized centers in Spain (Madrid, Barcelona, Valencia, and Valladolid), the United Kingdom (London), Central Europe (Slovenia and Austria), Brazil (São Paulo), and the Hispam region (Santiago de Chile and Mexico City).
- +150 certifications from our experts in Artificial Intelligence.

Achievements

- +1000 projects completed.
- +200 customers.
- Projects in more than 25 countries.

BUSINESS MODEL

After a detailed analysis of specific needs, the optimal technological solution is determined, incorporating leading tools to simplify processes and integrate support. The implementation phase includes expert advice, training, and support, all under coordinated and efficient management.

Diagnostic imaging algorithms are marketed through a license-based model, depending on the volume of user reports.

OUR SOLUTIONS

Discover all our solutions

We believe in the transformative power of technology to improve processes, optimize resources and open new business opportunities.



Contact us to start the digital transformation of your organization.

