


# ionichealth<sup>+</sup>

Digital transformation for access, efficiency,  
and quality in diagnostic medicine



# Our numbers



Employees	70+
B2B Clients	50+
B2C Clients	1K+
Monitored equipment	30K+
Teleoperated equipment	200+
Exams performed	1M+
Reports	350K+
Voice recognition audios	6M+

# Where we are



IONIC Health is located in the Technology Park of São José dos Campos (PqTec), in the Paraíba Valley region, in São Paulo, where its entire software and hardware technology production base is located, with the whole robotics, mechatronics, data, and artificial intelligence infrastructure.

In Brazil, it also has an office in the state capital of São Paulo, which is currently its operational base.

## **IONIC Health Presence**

Europe (Porto, Portugal)

Latin America (Buenos Aires, Argentina)

North America (United States)



# Digital transformation is in IONIC Health's DNA

Today, digital transformation is the great advantage of companies in this industry, and it is in our DNA.

Our company is 100% Brazilian, specialized in innovation and transformation in diagnostic medicine.

We are guided by evidence-based medicine and by the real needs of health institutions when choosing to incorporate new technologies and allocate resources, and conduct new studies seriously to ensure process transparency and reduce subjectivity. This is because we are committed to enabling the improvement of outcomes in diagnostic medicine and to supporting the shared confrontation of health problems in Brazil, supported by technology.

Our solutions portfolio meets effectiveness, safety, efficiency, cost savings and implementation potential requirements, resulting in transparent criteria for decision making, impartiality, and comparability between different interventions for different modalities in diagnostic medicine.

**Learn about our  
services and products.**



# Digital Platforms

## Monitoring & IoT

**nM**<sup>+</sup>  
nMonitor

## Teleoperation

**nC**<sup>+</sup>  
nCommand

## Structured Reports

**nR**<sup>+</sup>  
nReport

**nS**<sup>+</sup>  
nSensor

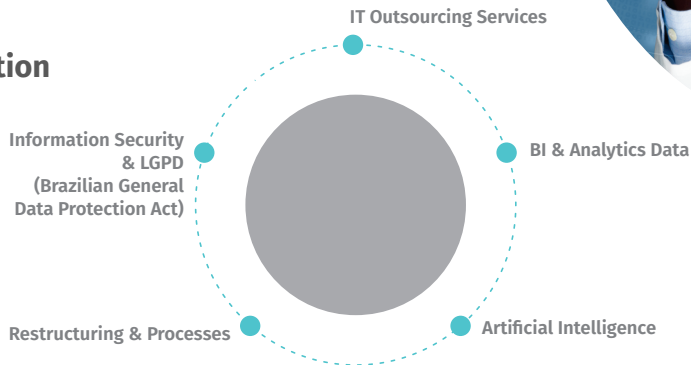
**nV**<sup>+</sup>  
nVirtual

**i IARA**  
HEALTH

# Services

## Innovation and Transformation

IONIC Health offers specialized services to innovate and transform the field of diagnostic medicine.




# Technology and methodology applied in innovative solutions

Our robotics, research and development laboratory has the most innovative technology to develop software and hardware capable of bringing together efficiency and quality and collaborating for the best outcomes in diagnostic medicine.

Our team is present throughout the development process, from the generation of ideas to screening, prototyping, testing, analysis, development, validation, approval, and launch.

Each step of the product lifecycle is managed using agile methodologies to accelerate deliveries, fractionating the whole into incremental deliveries, working in self-organized teams, and making use of collective intelligence, through the direct action of multidisciplinary teams.

Physicians, engineers, developers, statisticians, researchers, and artificial intelligence experts use variable models to compare methods and validate solutions to guide decisions in individual and collective health.

A large, light blue, curved shape that starts from the bottom left and curves upwards and to the right, ending near the bottom right. It has a white, semi-circular cutout at its base.

# Monitoring & IoT

Monitors all clinical engineering equipment in real time on a single digital platform, transforming, digitizing and making infrastructure management smarter.



## **Data unification and consolidation**

On a single digital platform, you can access relevant information on all devices, service levels and tickets, speeding up decision-making.

## **Increased interactivity and productivity**

Calls can be opened, forwarded and followed up assertively, optimizing the process and increasing not only the interactivity between technicians and units, but also productivity and efficiency.

## **Mobility**

Organize, control and bring efficient results by sending, feeding back and prioritizing work orders based on the criticality of the device and outage type, both on the web platform and in the application.

## **Automatic and predictive calls**

Combined with the use of sensors (nSensor) and artificial intelligence algorithms, it allows calls to be opened, respectively, without user participation and based on equipment operating parameters, so problems can be handled quickly, early and proactively.



# Monitoring & IoT

Digital sensing platform (IoT) for remote monitoring of different types of clinical engineering equipment and infrastructure.



## **Remote, real-time monitoring**

With support from hardware and software, you can monitor different types of environments, parameters and devices, such as MRI and CT scanners, vaccine refrigerators, freezers, conservation chambers, among others.

## **IoT**

Integrated sensors that control all variables that can affect the shelf life of the device and issue alerts and notifications of non-conformities even before the equipment stops working.

## **Prediction and proactivity**

With structured information based on sensor-collected data, your team can perform analysis and act proactively to resolve failures and drastically reduce the chances of downtime and financial losses.

## **Automatic and predictive calls**

Combining with the use of the monitoring platform (nMonitor) allows calls to be opened, respectively, without user participation, so problems can be handled quickly.





# Teleoperation

Remote operation of MRI and CT scan equipment through a digital platform that combines robotics, software and accessories.



## **Adaptability and precision in operation**

Using robotics resources, the digital platform offers automated and remote controls of MRI and CT scans, ensuring patient care quality. The technology was developed to ensure adaptability and accuracy in operation.

## **Efficient patient communication**

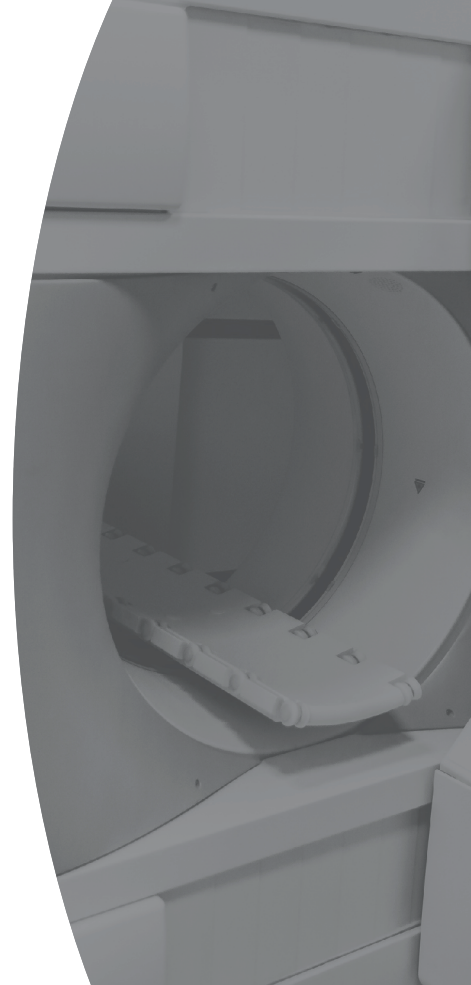
An audio and video system ensures communication between operator and patient, so that the entire process can be carried out safely without interfering with the flow of care. All in real time.

## **Increased productivity and resource optimization**

The digital platform allows the same specialist to operate more devices simultaneously, for smarter management of schedules and professionals. That allows your organization can expand exam offerings, prioritize emergency care and optimize schedule planning.

## **Key business information**

Based on key indicators, metrics and operational information available in a BI, your team can make decisions, improve protocols, manage service cycles, and develop technical skills.



# Teleoperation

Real-time transmission of ultrasound exams for monitoring, support and training via streaming.



## **Improvements in the delivery of results to patients**

Expands quality exam offerings, fostering active communication between specialists and general practitioners. The physician performing the exam can request support from the reviewer any time during the acquisition of images or at the conclusion of the report.

## **Results analysis and review**

Ultrasound exams performed at the end by general practitioners and specialists can be monitored, analyzed and reviewed remotely in real time to confirm the quality of the result.

## **Evidence-based performance assessment**

Methodology uses the results of reviews to learn and measure the performance of professionals, increasing the analysis capacity and facilitating evidence-based intervention by managers.

## **Continuing medical education programs**

Data-driven analysis provides evidence that can be applied in hands-on medical courses, in the development of personalized mentorships, and in conducting scientific meetings. In addition to being an applicable model in Medical Residency Programs, bringing greater security to preceptors and residents, in addition to expanding practical learning based on real cases.



# Research & Development



We believe in the importance and use of scientific research, which is one of our commitments to find answers that lead to the country's development, collaborating with systematization to produce knowledge that deals with the problems of a real society.

In this context, we introduce the robotic teleoperation system for remote ultrasound exams.

A highly immersive and intuitive disruptive solution, based on recent technological advances, using controlled teleoperation robots.

The ultimate solution for remote ultrasound exams anywhere in the world. The physician can work in a central hospital location, while patients are diagnosed remotely, allowing access to this type of exam in remote regions, increasing the capacity offered, providing greater data security and faster service. With the ultrasound teleoperation solution, our goal is to develop a humanized experience centered on the patient's needs, increasing process efficiency and generating cost savings.

# Structured Reports

A platform of structured reports to optimize the routine of radiologists.



## Custom Terms

The native structured report can be customized according to medical needs, it is possible to change text blocks and masks thinking about agility and accuracy.

## Analytics Generation

Results-driven experience. Creation of structured reports, generating standardized results, similarities between diagnoses and data collection.

## High Performance

Automatic calculations and adjusted standardizations allow increased productivity, ensuring the quality of the reports issued.

## Offline Mode

Improves platform performance in environments with unstable internet connection.

 +55 11 99349 9587



# Structured Reports

Voice recognition specialized in radiology. A 100% Brazilian product that speeds up the work flow for physicians. Proprietary technology developed by radiologists for radiologists.



## **Radiological Vocabulary**

Specialized solution in diagnostic medicine, restricting the vocabulary to medical terminology, making for more assertive reports.

## **Voice command**

A platform that learns from voice commands. Convert audio into intelligent documentation reducing errors, saving time, and improving the experience of the radiologist.

## **Text Editor**

Ready-to-use solution in external text editors, just place the mouse cursor and start recording the audio. Easy, quick and user-friendly.

## **Multi-brand compatibility**

The platform is compatible with any microphone, including shortcuts for using SpeechMike®, in addition to supporting Mac OS® and Windows® operating systems.



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