

A man with glasses and a white lab coat stands in front of a Philips MRI machine. The background is a blue-tinted clinical setting with the Philips logo visible on the machine's interior.

**PHILIPS**

## Building a more resilient MRI service with BlueSeal helium-free operations

As healthcare facilities across Europe confront a critical shortage of MRI technologists, an innovative approach has emerged in Montpellier. Philippe's successful transition from general medical imaging to MRI specialist, supported by BlueSeal technology,

reveals a promising solution to the workforce crisis. Discover how intuitive, patient-centric MRI systems are transforming both patient care and career development pathways while addressing pressing staffing challenges in medical imaging.

## Turning today's staffing challenges into tomorrow's career growth

The European healthcare sector faces a documented shortage of MRI technologists, a challenge confirmed by the World Health Organization's report on health workforce crises in Europe<sup>1</sup>. Rather unexpectedly, the technology itself is emerging as a potential solution. Let's take the example of Philippe, who has worked as a general medical imaging specialist in Montpellier for the IMANEO medical group. MRI is known for being a highly complicated imaging modality, which requires additional operational and clinical training to safely operate the scanner. This training barrier has limited the number of technicians that are permitted to operate on MRI scanners,

in turn creating a bottle neck of human resources. Inspired by Dr. Marie-Caroline's patient-centric philosophy at IMANEO, where advanced care and patient comfort seamlessly integrate, Philippe searched for a next step that would progress his career in medical imaging. The solution became tangible through BlueSeal's accessible design, where intuitive software and hardware, enhanced with integrated AI, transformed the MRI system from a complex instrument into a natural extension of the care team. This synergy between human-centered mission and approachable technology gave Philippe the confidence to advance his career into MRI specialization.



## The Philippe journey from apprehension to confidence

When Philippe first considered transitioning to MRI, he quickly identified the typical barriers of stepping into the world of protons: complex technology, steep learning curves, and high-stakes operational pressure. His experience with BlueSeal technology, however, proved the switch might not be as difficult as he had anticipated. He explained, "It was a little difficult at first

since I hadn't done any MRI before...it was mainly at the beginning that I had to learn how to use the software interface itself. Well, that's purely IT-related, so it's not very complicated." This accessibility proved crucial in building his confidence during the transition period, and workflow solutions allowed the team to quickly scale up to manage patient volumes.

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**Philippe Naudy, MRI Technician, IMANEO La Comédie**





## Streamlining the path to MRI proficiency

BlueSeal technology facilitates career transitions by optimizing daily workflows, helping to reduce both cognitive load and physical demands. The system's design focuses on eliminating repetitive tasks and minimizing the steep learning curve that often discourages technologists

from specializing in MRI. BlueSeal does this through three lenses: creating a supportive work environment, enhancing patient comfort and workflow efficiency, and finally by building confidence through consistent performance.



### Creating a supportive work environment

The platform's intuitive interface and automated workflows allow practitioners to focus on patient care rather than complex operational procedures. As Philippe noted, the software interface felt familiar rather than intimidating, significantly helping to reduce the mental strain typically associated with learning new MRI systems.

### Enhancing patient comfort and workflow efficiency

Philippe emphasized how patient comfort features directly impact workflow: "We have memory foam mattresses, patients are very satisfied with the comfort. There are different foam accessories that help to elevate the legs, increase comfort, and

properly position them so they don't move."

These features are combined with the ability to manage multiple patients efficiently, creating a smoother, more manageable workflow that benefits both patients and technologists.

"While we are finishing with one patient, we can use the second screen to select a new patient and prepare everything in advance."

### Building confidence through consistent performance

The system's reliable design and helium-free operations create a stable working environment, allowing technologists to concentrate on patient management and skill development rather than equipment troubleshooting.



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## A strategic workforce solution through technology

Philippe's successful transition into MRI specialization illustrates a potential new paradigm in addressing healthcare workforce challenges. It suggests that the strategic selection of technology could be a factor in talent development and retention, alongside traditional approaches like recruitment and training. Now that BlueSeal has lowered the bar to train and instill confidence in imaging teams, it's possible to cross-train existing resources – delivering positive impact in workforce utilization, career opportunities and patient management.

The case study in Montpellier highlights how the implementation of BlueSeal technology at IMANEO supported their specific goals to:

- Facilitate the cross-training of existing staff.
- Streamline the onboarding process for new hires.
- Enhance elements of the work environment that contribute to job satisfaction.
- Offer a clearer pathway for internal career progression.

This conclusion is clear – the right technology, when selected to align with operational and human resource strategies, can be one component in building a more resilient and adaptable workforce in medical imaging.



## The patient care advantage: integrating comfort and efficiency

Beyond workforce benefits, BlueSeal technology provides a truly patient-centered approach. Philippe describes how the system's design directly enhances patient experience: "I use screens to adjust the volume of the sound the patients hear in their ears, as well as the volume of the music. We can also increase the airflow slightly at times so they feel a bit of air, in case they start feeling

too enclosed inside the machine." These features demonstrate how thoughtful technology design simultaneously supports both patient comfort and operational efficiency. As many MRI technologists know, anything you can do to comfort and relax a patient is a net-positive to the imaging process, lowering the amount of rescans needed.

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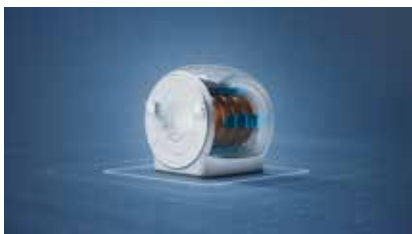


# A dual solution for modern healthcare challenges

The integration of accessible, patient-centric technology represents more than just operational improvement, it offers a strategic solution to persistent healthcare challenges. Technologies like BlueSeal address the critical technologist shortage by making specialized roles more accessible while

simultaneously advancing the quality of patient care. This dual approach demonstrates that the right technology, when implemented with vision and purpose, can transform workforce challenges into opportunities for growth and innovation in healthcare delivery.

## Explore more



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Individual experiences may vary. The results described reflect specific institutional implementation and depend on multiple factors including training protocols and organizational support. Philippe's testimonial represents his personal experience and is not a guarantee of individual performance.

<sup>1</sup> World Health Organization. (2022). Health and care workforce in Europe: time to act. Retrieved from <https://www.who.int/europe/about-us/governance/regional-committee/session-archives/72nd-session-of-the-who-regional-committee-for-europe/parallel-sessions/launch-of-the-regional-report-health-and-care-workforce-in-europe-time-to-act-parallel-session-10>

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