

PHILIPS



Step into the future
with confidence



Remain at the forefront of technology



When you choose to protect your investment with Philips MR SmartPath, you can step into the future with confidence. With this program, you completely renew your trusted MRI system, just as if you had made a new purchase, extending the lifetime of your equipment and improving your total cost of ownership.

MR SmartPath focuses on three key areas to deliver an optimized solution – cost efficiency, productivity, and sustainability. The intent is to preserve the existing high-end system, but equip it with new, comprehensive functionalities – new functionalities that improve diagnostic confidence, increase speed, and deliver even more patient-friendly care.

Step into the future with confidence

Among cost-conscious healthcare providers there is a clear trend toward keeping and maintaining existing medical equipment. As a result, more than one fourth of the MR installed base across Europe is now more than 10 years old.¹ This is reflective of a reduction in MR equipment budget of nearly 18%.²

The ability to extend the lifetime of your MRI system has never been so important. In order to keep pace with rapidly changing

technology, add functionality, and enhance workflow and image quality, you must thoughtfully consider opportunities for upgrade. Philips MR SmartPath allows you to transform your current system to the latest Philips technology in a practical, cost-effective way to maintain your long-term success.

It encompasses improvements in software, hardware, and most impressively, operator friendly AI-enabled solutions³.



A cost effective approach



With MR SmartPath you reuse your existing magnet and convert it to the next generation of MR. This alleviates the delays and expense of installing a new magnet, which can involve breaking down walls and ceilings and using heavy cranes to transport the magnet in and out of the hospital. There are no significant building costs, no extended downtime, and fewer unexpected challenges.

Any system downtime puts your patients and schedules at risk. The inability to provide appropriate, timely care or the need to refer patients out of the hospital for a scan, can become an expensive setback. Thankfully installation of an MR SmartPath upgrade can save as much as 17 days in downtime over installation of a new MR system, with meaningful positive impact to your bottom line.

In addition, if you compare the cost of an MR SmartPath upgrade versus purchase of a new system you'll enjoy a savings of nearly 40%. Without buying new, you can upgrade to a state-of-the-art MR system guaranteed to last 10 years or more.

“Replacing the proven Philips magnet would have been neither economical nor sustainable.”

Martin Kollerer, Radiologist, Radiologie Marktreidwitz, Marktreidwitz, Germany

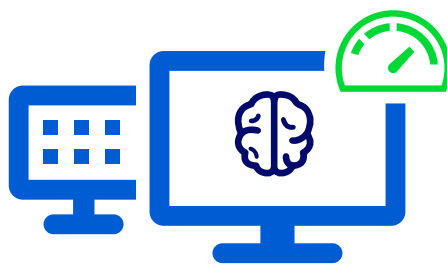
Exceptional productivity

Support your staff with a workflow solution that allows them to focus less on technology and more on the patient while achieving high productivity. MR Smart Workflow, with artificial intelligence (AI)-enabled features, streamlines your workflow, making it more efficient. It reduce tedious and repetitive tasks to boost performance, with innovative features that include touchless patient sensing technology, in-room guidance on patient set-up, and initiation of the exam at the patient’s side. New AI capabilities enhance exam control on the console, in the exam room, and during reconstruction. You'll find that automated tasks improve clinical performance, patient and staff satisfaction, and departmental success.

Coaching and visual guidance for exam setup is possible using VitalScreen. Recommended patient position, study laterality, coil and accessory placement is offered at two 12-inch interactive touchscreens. VitalScreen also assists with patient centering. It automatically detects landmarks for selected anatomies and places the region of interest in the isocenter of the magnet. All lead to faster patient setup.

Coil element section is simplified using SmartSelect. SmartSelect automatically detects and selects the right coil and coil elements to maximize the signal-to-noise ratio for the region of interest and area to be scanned.

Quality and speed



Unsurpassed gradient quality is reflected in new high-end Vega HP performance gradients to help you reach new levels of precision in anatomical and functional clinical imaging. Excellent signal-to-noise ratio (SNR) and motion detection technology support outstanding imaging results. And the system’s high homogeneity and linearity bring precision to both anatomical and functional imaging.

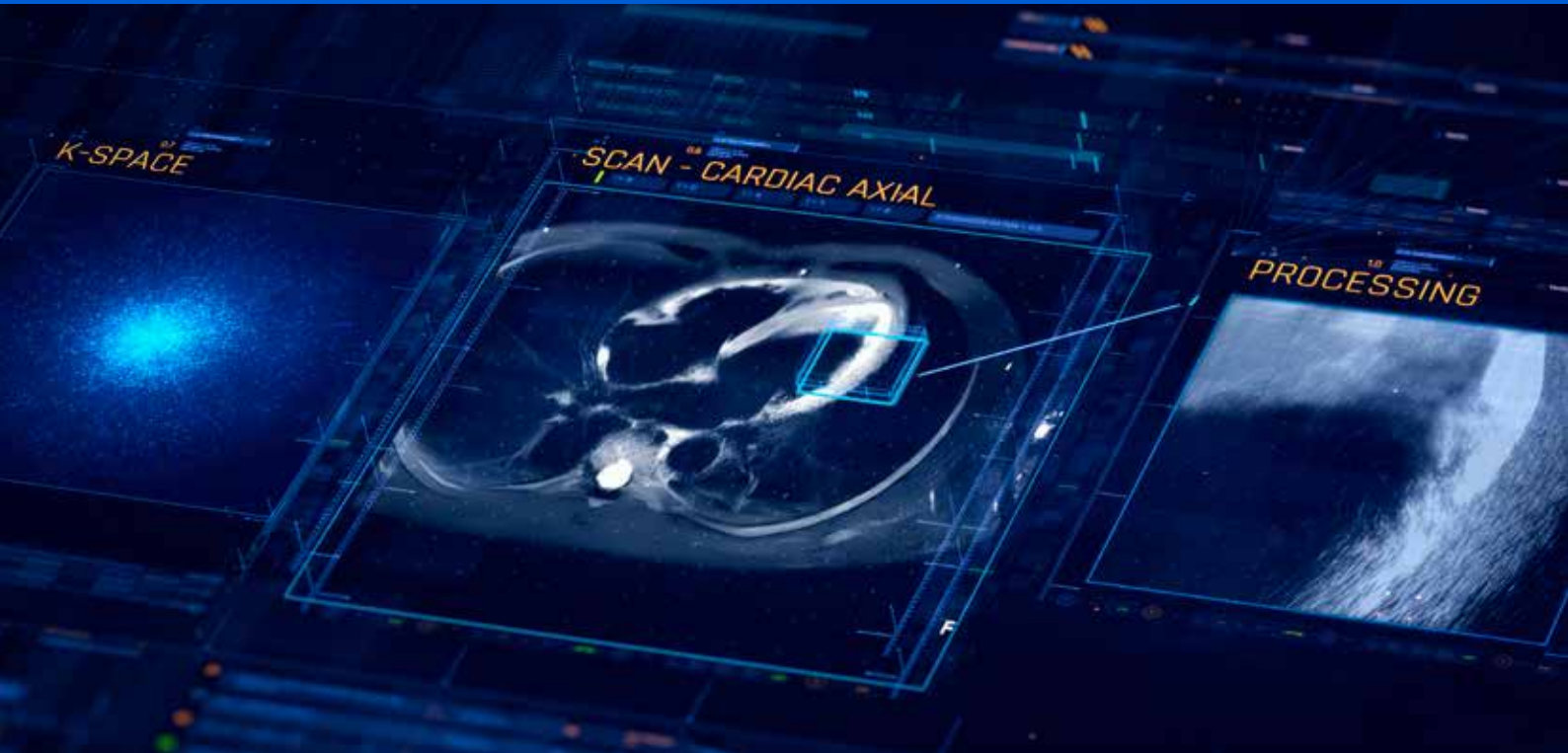
Perhaps the most effective clinical solution is SmartSpeed. This innovative technology delivers image quality and speed via award-winning AI technology⁴ and a state-of-the-art Compressed SENSE speed engine. It

increases imaging speed by up to a factor of 35, provides up to 65% greater resolution⁵ to deliver outstanding image quality, and is compatible with 97% of clinical protocols⁶. It covers motion imaging, imaging near implants, free-breathing imaging and diffusion-weighted imaging to address the needs of a broad range of patients in various conditions.

When you leverage SmartSpeed’s artificial intelligence capabilities and combine it with the speed and power of new XP gradients, you take MR clinical performance to the next level.

“Using Philips SmartSpeed we’ve taken resolution to a new level across all applications with faster protocols, so the patient, referring physician and reporting radiologist all benefit.”

Ben Kennedy, Director of Clinical and Research MRI, Mermaid Beach Radiology, Australia



Enjoy the MR Workspace advantage

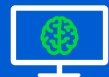
MR Workspace empowers your team to drive departmental productivity and predictability. It's designed to simplify the path from image acquisition to diagnosis by providing artificial intelligence to support your staff in selecting the right protocol and planning for all applications, automating complex procedures, offering Advanced Visualization applications, and delivering task guidance throughout the entire examination. MR Workspace helps technologists, regardless of experience, to manage their workload, keep the daily schedule under control and maintain focus on the patient.

Run a smoother department. Gain control over your daily routine.



Know what's coming your way every day

- Full visibility and control over daily schedule
- Examination preparation before patient arrival
- Alerts on patient conditions and schedule changes



Count on image quality every single time

- Guided and automated workflow
- AI Protocol Assistant suggests the most used protocol
- Real-time quality control



Give your staff they need to do the right job

- 80% of examination planning is fully automated
- 70% of the display is dedicated to presenting clinical images in crisp detail
- Harmonized user experience with IntelliSpace Portal Advanced Visualization



Fast forward from learning to doing

- Integrated AI assistance, task guidance, and automation
- Step by step coaching towards AV analysis
- 50% reduction in on-screen parameters



Be known for fast results

- Results sent to PACS in 30% less time⁷
- Automated AV segmentation, calculation, and map generation
- Comprehensive set of integrated high-end and routine AV applications

With Philips MR Workspace you can create highly personalized exams of virtually any patient, even your most challenging ones. It will become the face of MR versatility into the future – ready to embrace new developments and take advantage of the latest AI technology, to deliver the efficient and consistent quality of care all patients deserve.

Toward a sustainable solution



Use less, use longer and use again is the philosophy that guides the Philips MR lifecycle approach. Every magnet at the heart of your MR system is designed for continued use by ensuring upgrades can be easily applied to extend its life. MR SmartPath is the program that allows you to maintain peak operational performance while also adhering to the social imperative of environmental sustainability. Thoughtful resource efficiency helps to extend hardware lifetime, optimizing its intrinsic value.

Today, the vast majority (86%) of healthcare leaders believe that reducing CO₂ emissions and the environmental impact of healthcare should be a top priority for healthcare organizations⁸. To that end, Philips MR SmartPath supports your commitment to Environmental, Social, and Governance (ESG) goals through the measurable reduction of CO₂ emissions.

With an MR SmartPath upgrade you save the CO₂ emissions and energy usage that would be required to manufacture a new magnet. Without the need to move and transport a new magnet, additional CO₂ emission reductions are realized.

At Philips, a clear focus is placed on asset lifecycle management as key to reducing the environmental impact of technological development. To achieve this, Philips focuses its efforts in several areas – increased energy efficiency, sustainably sourced materials, improved packaging design, reduction in packaging material, high quality service and spare parts, system lifetime extension through upgrade programs, circular program for pre-owned equipment, and responsible recycling. The Philips MR SmartPath program is an important element in this effort.

Our 2023 environmental performance:

- **20%** Sales from products and services contributing to circularity
- **71%** Sales from green products and solutions⁹
- **0%** Net operational carbon footprint
- **100%** Operations powered by renewable electricity
- **78%** Renewable energy, exceeding target of 75% by 2025
- **91%** Operational waste recirculated
- **100%** of 23 industrial sites achieve 'zero waste to landfill
- **46%** Of all purchases from suppliers with science-based climate targets (by spend)



- 1 COCIR Age Profile & Density, Medical Imaging Equipment, 2023 Edition, Magnetic resonance Imaging (MRI), 2023
- 2 Average Change in Spending on MRI products in USA(-18.4%), in Europe (-12%), IMV report, April 2020
- 3 According to the definition of AI from the EU High-Level Expert Group.
- 4 Adaptive-C-SENSE-Net technology is the winner of Fast MRI Challenge hosted by Facebook AI research and New York Langone Health
- 5 Compared to Philips SENSE
- 6 97% applicability on average, measured across a sample of sites from Philips MR installed base
- 7 Compared to R5 software.
- 8 Philips Future Health Index, 2024
- 9 We will design all new product introductions in line with Philips EcoDesign requirements by 2025

